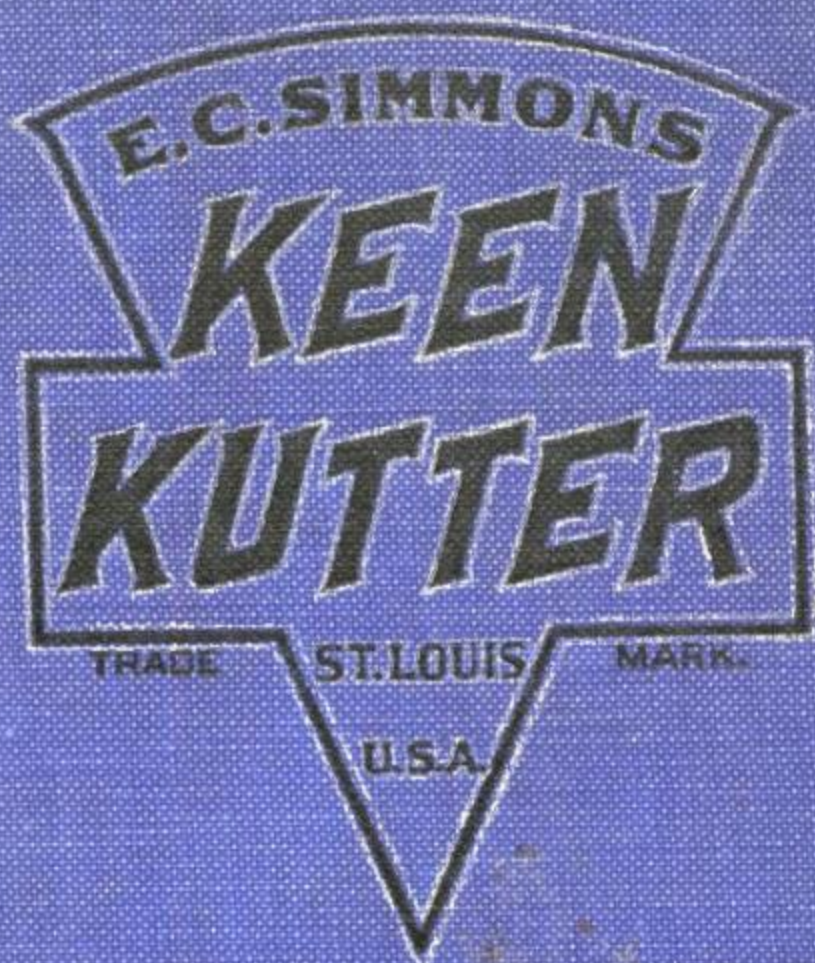


CATALOGUE No. 776



SIMMONS'
MANUAL TRAINING
BLUE BOOK

SIMMONS HARDWARE CO.

(INCORPORATED)

ST. LOUIS

Manufacturers and
Distributors

NEW YORK



COMPLIMENTS OF

SIMMONS HARDWARE CO.

Exclusively Wholesale.

NEW YORK

To Mr. Wm. K. Edmonstone,
Milford High School,
Milford, N. H.

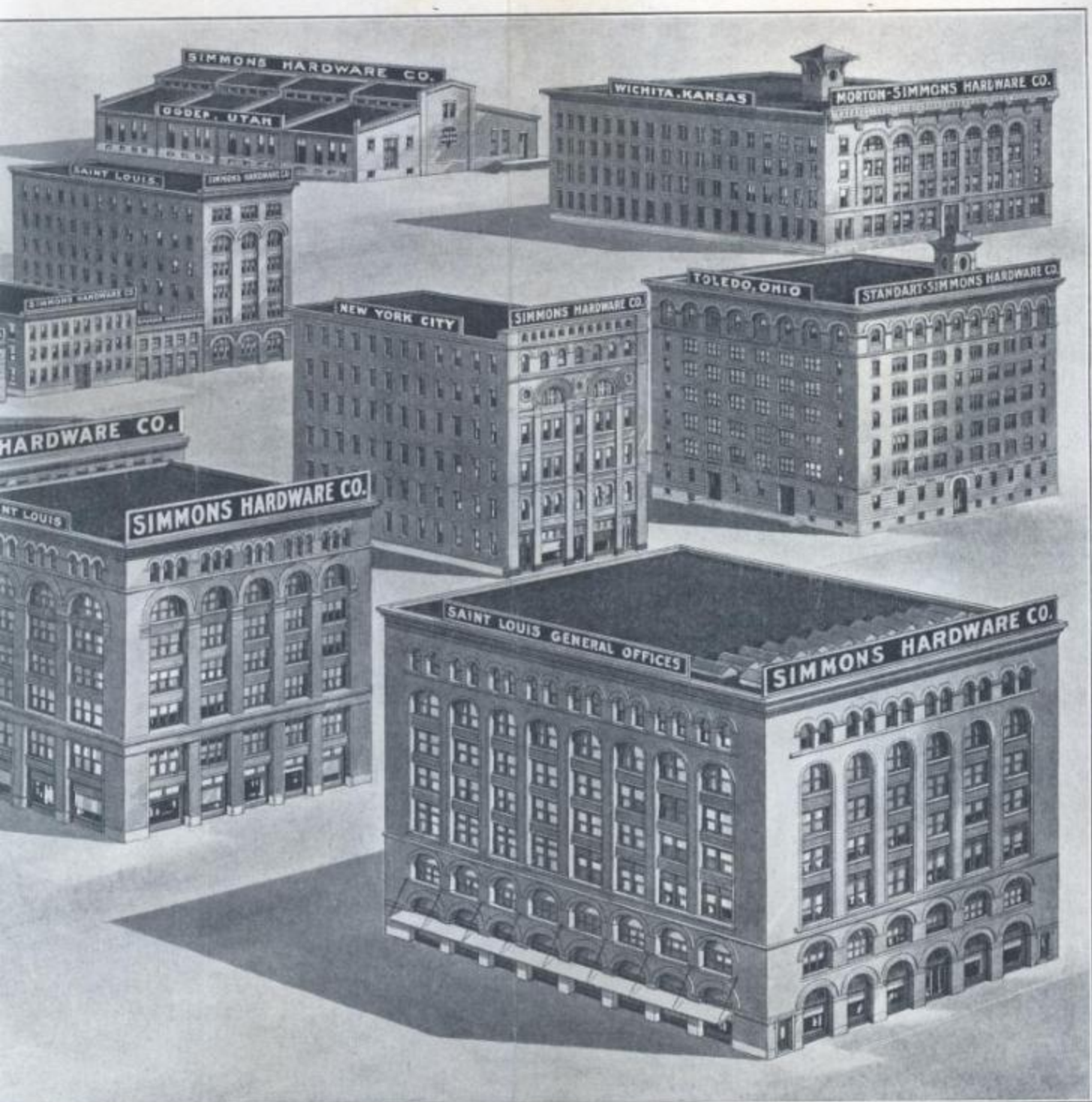
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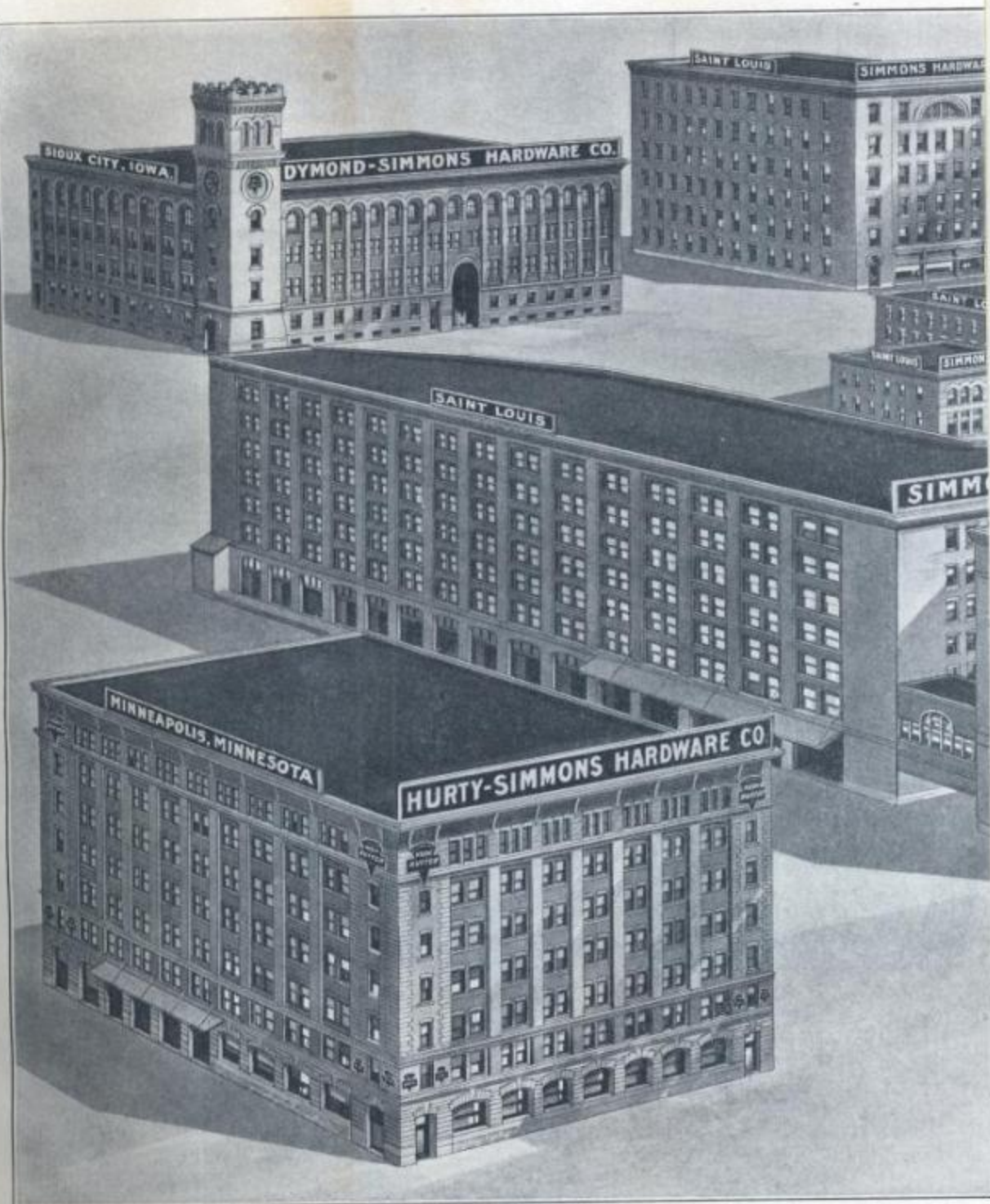
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The above illustration shows the buildings and warehouses occupied by the Simmons Companies in St. Louis, Minneapolis, Sioux City, Wichita, New York and Toledo. These houses have a complete working force and supply goods to customers in their respective territories.

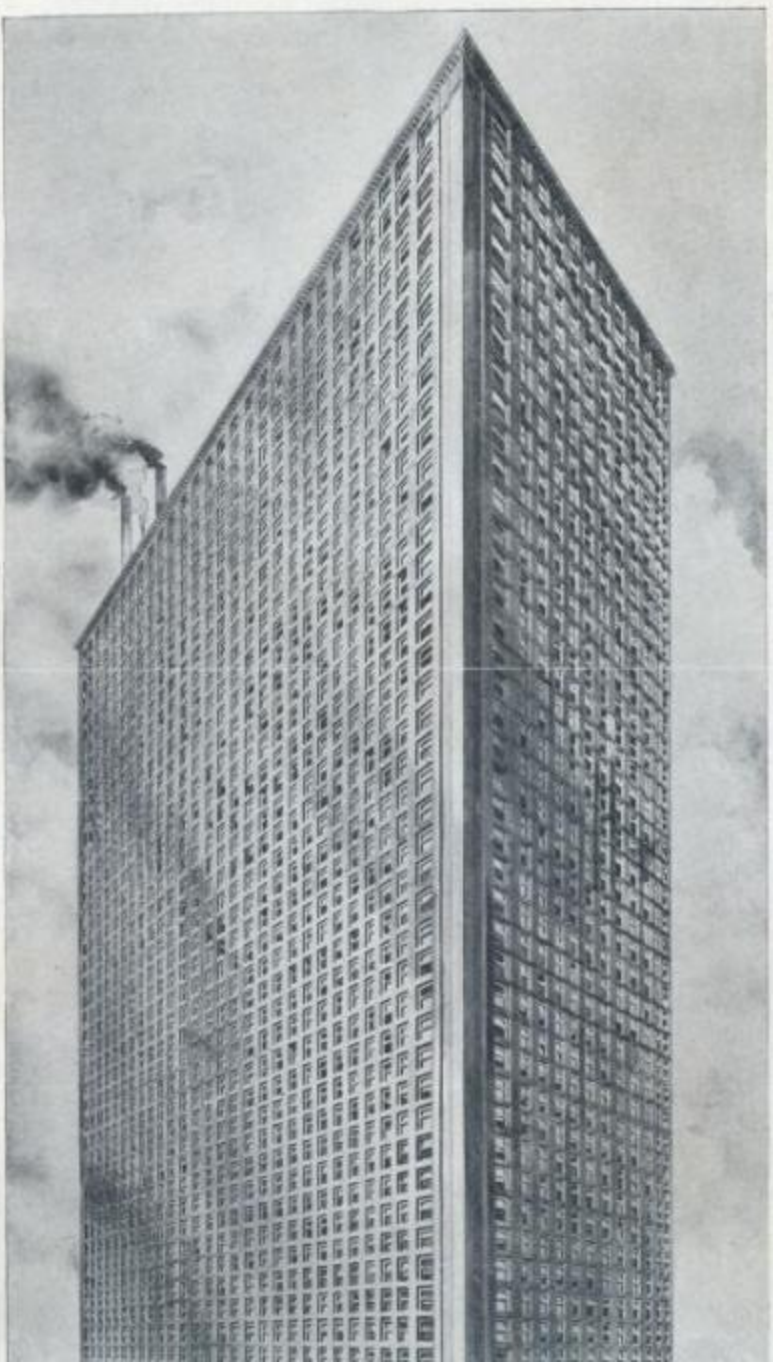
This system of local houses and distributing points gives the Retail Hardware Merchant the best and quickest service, and affords him many other advantages not within reach of any other similar concern in the world.

Acres.
Acres.
Acres.
Acres.
Acres.
Acres.



Space Occupied by		
SIMMONS HARDWARE CO., St. Louis.....	1,000,000	Square Feet
HURTY-SIMMONS HDW. CO., Minneapolis, Minn.....	150,000	Square Feet
DYMOND-SIMMONS HDW. CO., Sioux City, Iowa.....	150,485	Square Feet
THE STANDARDT-SIMMONS HDW. CO., Toledo, Ohio.....	92,328	Square Feet
THE MORTON-SIMMONS HDW. CO., Wichita, Kans.....	108,580	Square Feet
SIMMONS HARDWARE CO., New York City.....	26,544	Square Feet
Grand Total	1,528,237	Square Feet

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SEVENTY STORIES

If the total floor space of all the Simmons Buildings were combined in one and erected (size of lot, 190x225 feet), St. Louis, it would make a bu



NTY STORIES HIGH.

ed in one and erected on the foundation of the home office, 9th and Spruce Streets
would make a building SEVEN HUNDRED FEET HIGH.

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PREFACE

FOR the use of the thinking men, who know what they want and always want the best, we have prepared this catalogue, to illustrate and describe the Tools used in the several departments of Manual Training in the schools. Particular attention is called to the fact that practically speaking everything in the book bears the **KEEN KUTTER** Trade Mark.

The Artisan who loves his work, would hardly be satisfied in buying a set of Chisels or Auger Bits to have the $\frac{3}{8}$ inch of one make, the $\frac{1}{2}$ inch of another and the $\frac{3}{4}$ inch of another; if this is true—and it would seem reasonable to believe it so—should it be applied to all of the tools of the Kit, Hammers, Saws, Hatchets, Chisels, etc., having in mind that under the **KEEN KUTTER** Trade Mark they represent in their various classes the best that money and brains can produce, and as such we commend them to your consideration without reserve.

The **KEEN KUTTER** Tools and Cutlery have been sold for over 40 years under this mark and motto:

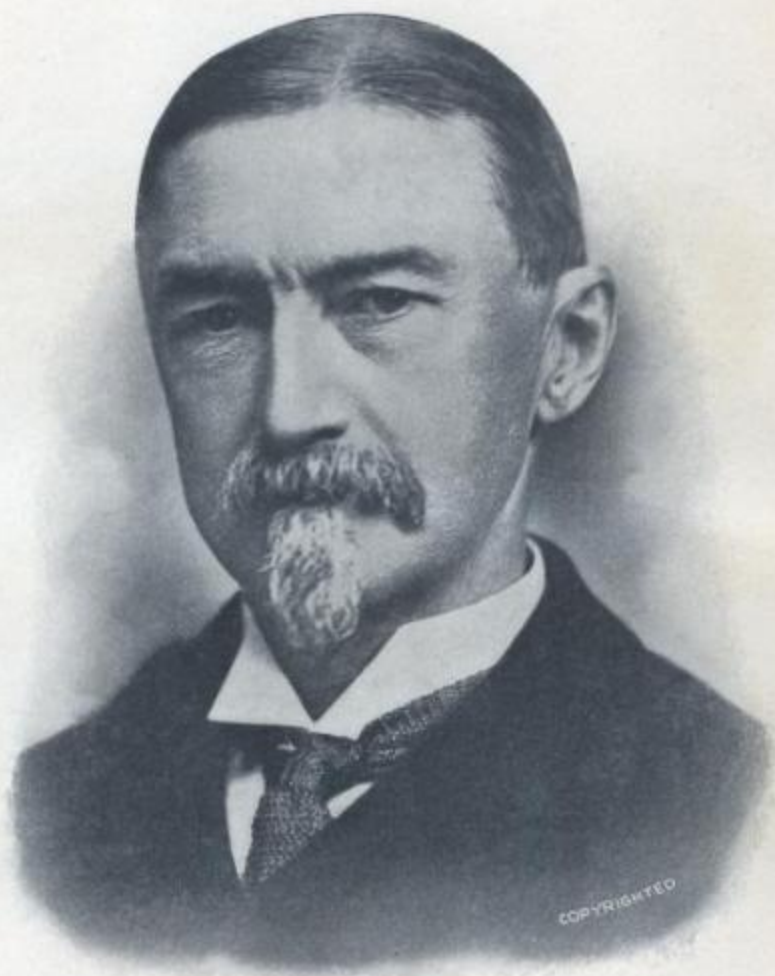
"The Recollection of **QUALITY** remains long after the **PRICE** is forgotten."—E. C. SIMMONS.

Sincerely yours,

SIMMONS HARDWARE CO.

(INCORPORATED.)
ST. LOUIS and NEW YORK.

"THE RECOLLECTION OF *QUALITY* REMAINS LONG AFTER THE *PRICE* IS FORGOTTEN"—E. C. SIMMONS
TRADE MARK REGISTERED.



Edward C. Simmons

ORIGINATOR OF
THE BRAND
E. C. SIMMONS
KEEN KUTTER

FOUNDER OF THE
SIMMONS
HARDWARE
COMPANY



SYSTEM OF NUMBERING.

To simplify the numbering of all goods in this catalog and make it easy for our customers to write up Mail Orders accurately and with a minimum amount of writing, we beg to call attention to the fact that the only numbers and description necessary in specifying goods in this catalog, to enable us to fill orders accurately, are the figures and words which are Under-scored with a heavy black line.

As an instance of this, we refer you to page 2 and the first item in the catalog; it is not necessary to specify an order thus:

"1 doz. KEEN KUTTER Yankee Pattern Plain Bronzed Axes, handled with KEEN KUTTER Handle No. KX36, 3½ to 4½ lbs."

In order to do away with long and laborious descriptions, we have made the number 100E cover all of the above specifications, and all that is necessary in writing up an order for one dozen of these Axes is as follows:

"1 doz. Axes, No. 100E, 3½ to 4½ lbs."

The only information that it is necessary to give us in addition to the quantity, the item and the under-scored number and description, is in cases where the items called for are made in different weights, sizes, lengths, etc., as in the above Axes, where it is necessary to specify the assortment of weights wanted.

This will tell us just as completely what is desired as if the entire description as outlined in the first illustration above were used; in fact, it will answer our purpose better because in filling orders we specify everything by numbers and not by description. This is true of all goods in the catalog.

This system of numbers is utilized throughout the entire catalog, and if when ordering goods you will only give the numbers and description under which the heavy black line appears, you will need to go to no further trouble as to description, and it will greatly facilitate our handling of your orders and inquiries, and will enable us to do so in a most intelligent and satisfactory manner.

It has taken weeks of careful, thorough and pains-taking effort to incorporate in this catalog a system of numbers which will make it easy for our customers to use, will afford them a saving of time and labor, and will enable us to handle their orders in a quick and most satisfactory manner, and we believe that after they have, to a certain extent, familiarized themselves with our system of numbers, they will be very much pleased with the result of our efforts.

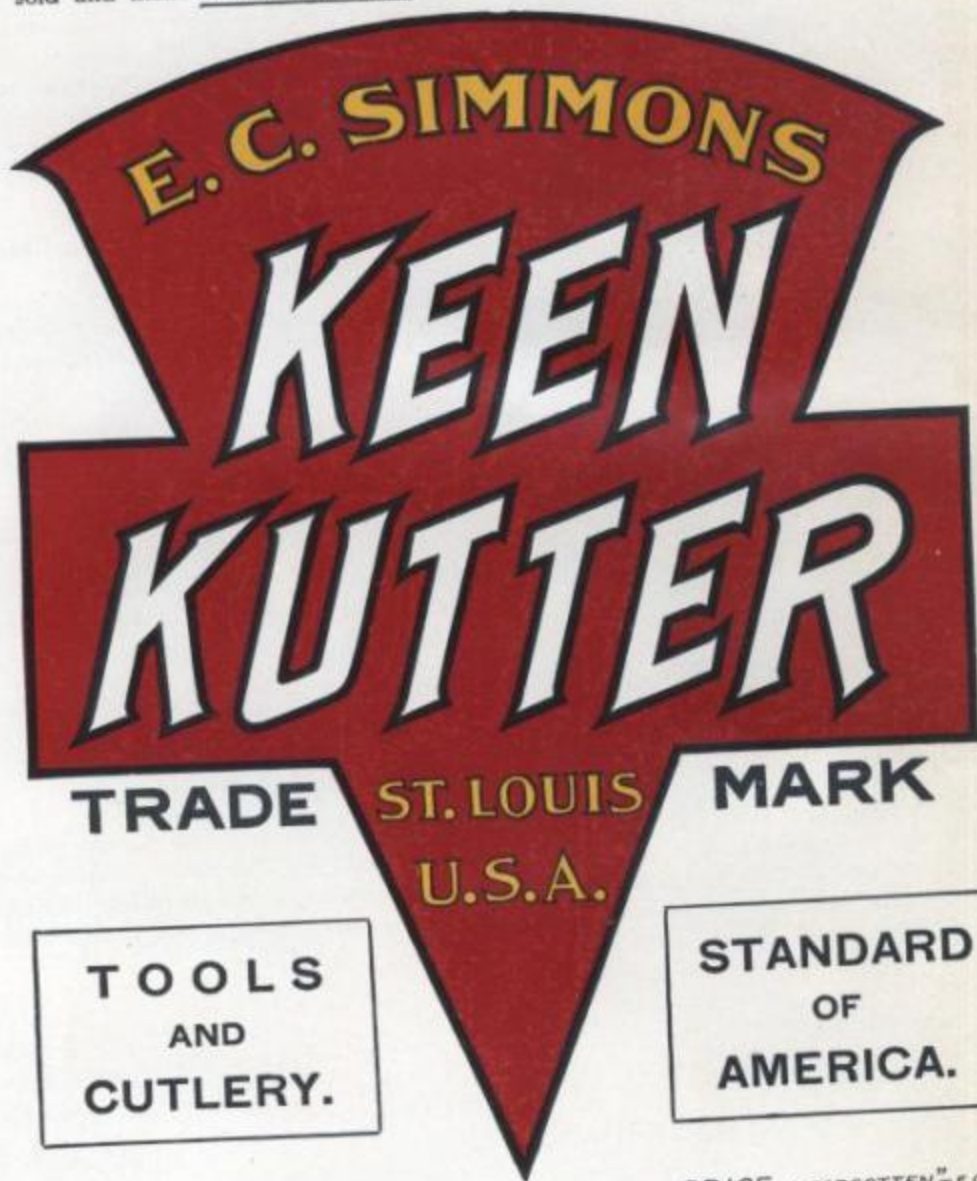
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TOOL "INSURANCE."

With every Tool or piece of Cutlery in the *KEEN KUTTER* line we sell to a Merchant, is included "TOOL INSURANCE." In other words, the *KEEN KUTTER* Trade Mark on any tool or piece of cutlery means not only that it is the best we are able to turn out, and that it has undergone the strictest inspection, but that in the event of any possible flaw or dissatisfaction on the part of the user, it is "insured" by the Simmons Hardware Company on our liberal guarantee.

That's why merchants can afford to recommend *KEEN KUTTER* Tools and Cutlery so highly. They stay sold and make satisfied customers.



"THE RECOLLECTION OF QUALITY REMAINS LONG AFTER THE PRICE IS FORGOTTEN"—E.C. SIMMONS
TRADE MARK REGISTERED.



"The RECOLLECTION of QUALITY Remains Long After the PRICE is Forgotten."—E. C. SIMMONS.
TRADE MARK REGISTERED.

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Y
Z

The Mark



—AND—

The Motto

"The Recollection of QUALITY
Remains long after the PRICE
is forgotten."

E. C. SIMMONS

TRADE MARK REGISTERED

INDEX.



A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

A	Page
Adjustable Dies	248
Adjustable Planes . 91, 93, 94, 97, 98	
Adze Handles	332
Adzes	59
House Carpenters'	7
Railroad	7
Ship Carpenters'	7
Aluminum Letters	343
Angle Dividers	101
Angular Borers	46
Anvils	232
Anvils and Vises	220
Aprons—	
Blacksmiths'	27
Carpenters'	27
Arbors—	
Center	292
Drill Chuck	294
Artists' Brushes	359
Asbestos Packing	347
Ash Cans	371
Attachments—	
Chain Drilling	46
Circular Saw	298
Scroll Saw	298
Auger Bit Files	212
Auger Bits	32 to 37
Auger Handles	180
Augers—	
Boring Machine	31
Hollow	38
Nut	31
Ship	31
Automobile Jacks	365
Automobile Tool Kits	69 to 71
Awards—	
KEEN KUTTER Cutlery	388, 389
Awl and Tool Sets	65, 66
Awl Handles	181
Awls—	
Brad	66, 67
Harness	67, 363
Peg	67
Scratch	66
Sewing	67
Axe Handles	331, 332
Axes—	
Broad	6
Double Bit	5
Firemen's	6
Ship	6
Single Bit	2 to 4

B	Page
Babbitt Metal	378
Back Saws	158, 159
Backing Knives	59
Bags—Tool	81
Band Saws	166, 167
Barrow Wheels	330, 331
Barrows—	
Stone	331
Wheel	330
Bars—	
Claw	26
Crow	26
Lining	26
Pinch	26
Swage	237
Tamping	26
Wrecking	26
Beach Patent Drill Chucks	293
Beaders—Hand	101
Bell Centering Punches	291
Bellows	239, 240
Belt Couplings	351
Belt Fasteners	351, 352
Belt Hooks	351
Belt Lacing	352
Belt Punches	146
Belt Studs	351
Beltting—Leather	350
Belts—	
Canvas	349
Thresher	349
Bench Hatchets	9, 11
Bench Hooks	175, 176
Bench Planes	89
Bench Hammers	321
Bench Saws	169
Bench Screws	177
Bench Stops	176
Benches—	
Wood Carvers'	58
Work	82 to 88
Work and Tool Cabinet	72, 73
Benders—Tire	244
Bevel Protractors	271, 272
Beveled and Ribbed Iron Flasks	324
Bevels—Sliding T	125
Bicycle Wrenches	225
Bifurcated or Slotted Clinch Rivets	353
Bill Posters' Tacks	454
Binders—Venetian Iron	139
Bit Braces	43 to 45
Bit Extensions	46

B	Page
Bit Gauges	102
Bits—	
Auger	32 to 37
Car	32
Center	41
Countersink	41
Dowel	37
Drill	39
Expansive	37
Gimlet	40
Machine	285 to 287
Machine, in Sets	282
Reamer	41
Screw Driver	40
Ship Auger	32
Ship Car	32
Blacksmiths' Anvils	232
Blacksmiths' Aprons	27
Blacksmiths' Drills	295
Blacksmiths' Hammers	17
Blacksmiths' Hand Hammers	14
Blacksmiths' Sledges	17
Blacksmith's Taps	246
Blacksmiths' Tools	233 to 246
Blades—	
Bracket Saw	165
Butcher Saw	161
Coil Saw	161
Hack Saw	161
Safety Razor	407, 409
Scroll Saw	165
Turning Saw	166
Wood Saw	171
Blanks—Thumb Screw	472
Block Planes—Iron	92
Blocks—	
Pulley	343, 344
Swage	237
Tackle	345, 346
Blow Torches	380
Blowers	243
Board Rules	119
Boards—Drawing	138
Bobs—Plumb	108
Bolt Cases	446
Bolt Clippers	243
Bolt Tongs—Blacksmiths'	236
Bolt Wrenches	224
Bolts—	
Carriage	458
Machine	459
Skein	460
Stove	461

INDEX—Continued.

B	Page
Bone Glue	182
Borax	239
Borers—Angular	46
Boring Machine Augers	31
Boring Machines	29
Boring Tools	309
Bottom Swages—Blacksmiths'	233
Bottoming Taps	252, 256
Bowls and Shanks—Hand Ladle	325
Box Hatchets	9
Boxes—Mitre	171, 172
Brace Jaws	44, 45
Braces—	
Bit	43 to 45
Corner	44
Ratchet Drill	44
Bracket Saw Blades	165
Brad Awls	66, 67
Brad Hammers	14
Brads	451
Flooring	449
Brass Foundry Furnaces	325
Brass—	
High	386
Hoop	386
Brass Screws	445
Brass Wire	384
Brazing Materials	379
Brazol	379
Breast Drills	47
Brick Trowels	109
Bricklayers' Tools	25
Broad Axes	6
Broad Hatchets	9, 11
Brooms—Whisk	358
Brushes—	
Artists' or Marking	359
Casting	358
Cleaning or Casting	320
Counter	358, 359
Floor	358
Glue	359
Lacquering	359
Marking	362
Moulders'	320
Paint	362
Sash	360
Varnish	359 to 362
Wire	320
Burnishers or Scrapers	100
Bush Hammers	18
Butcher Saw Blades	161
Butt Chisels	50, 51
Butt Gauges	104

C	Page
Cabinet Saws	159
Cabinet Scrapers	90, 100
Cabinets—Tool	72 to 79
Calliper Rules	264
Calliper Squares	267
Callipers	130, 131
Gear Tooth	268
Micrometer	269 to 271
Vernier	268
Callipers and Wire Gauges	261
Cans—	
Ash	371
Garbage	371
Oily Waste	372
Spray	321
Sprinkling	321
Canvas Belts	349
Canvas Nails	453
Cap Screws	463
Cape Chisels	149
Car Bits	32
Carpenters' Adzes	7
Carpenters' Aprons	27
Carpenters' Chalk	68
Carpenters' Lead Pencils	336
Carpenters' Slicks	49
Carpenters' Tool Chests	68
Carpet Tacks	454
Carriage Bolts	458
Carriage Makers' Clamps	175
Carvers' Mallets	58
Carving Tools	55 to 57
Cases—	
Bolt	446
Drill	278
Screw	446
Casters	429 to 431
Casting Brushes	358
Casting or Cleaning Brushes	320
Cement Tools	21 to 24
Cement Work	20
Center Arbors	292
Center Bits	41
Center Keys	279
Center Punches	147
Center Squares	272
Centering Punches	291
Chain Drilling Attachments	46
Chain Pipe Wrenches	222
Chains—	
Coil	475
Jack	473, 474
Ladder	474
Safety	474
Chairs—Stenographers'	480

C	Page
Chalk—Carpenters'	68
Chalk Line Reels	68
Chalk Lines	67, 68
Chamfer Gauges	101
Chamfer Knives	59
Channel Nails	457
Chasers—Screw	303
Checking and Lumber Pencils	338
Chests—Carpenters' Tool	68
Chlp Carving Knife	419
Chisel Gauges	102
Chisel Grinders	193
Chisel Handles	181
Chisel Sets	49 to 52
Chisels—	
Bricklayers'	25
Butt	50, 51
Cape	149
Cold	148, 149
Cold, Blacksmiths'	233
Corner	51
Firmer	49, 50, 52
Framing	51
Hot, Blacksmiths'	233
Mortising Machine	313
Paring	53
Stone Cutters'	25
Turning	53
Chucks—Drill	293, 294
Circular Rip Saws	312
Circular Saw Attachments	298
Circular Saws	152, 312
Clamp Heads	175
Clamps and Saw Filers	172
Clamps—	
Cabinet Makers'	177
Carpenters'	177
Carriage Makers'	175
Iron Flask	322
Mounted Door	177
Quilt Frame	175
Saw	174
Tool Makers'	310
Wooden Flask	323
Clasps—Pencil	128
Claw Bars	26
Claw Hatchets	9, 10
Cleaners—File	212
Cleaning Brushes	320
Clinch Rivets	353
Clinching Nails	457
Clippers—Bolt	243
Cloth—Emery	183
Clout Nails	453
Conch or Lag Screws	460
Coat and Hat Hooks	432



INDEX—Continued.

C		D		E	
	Page		Page		Page
Cogged Shears	417	Darbies—Plasterers'	110	Emery Stones	190
Coll Chains	475	Daubers—Stencil	358	Emery Wheel Dressers	187
Cold Chisels	148, 149	Dental Snips	418	Engineers' Fillers	374
Cellar Needles	363	Desk Rules	266	Engineers' Oilers	377
Combination Squares	271	Die Holders	257, 258	Erasers	340
Combined Machines	313	Die Stocks	258	Erasing Shields	138
Compass Saws	160	Dies	252, 256	Escutcheon Pins	453
Compasses—Pencil	128	Adjustable	248	Expansive Bits	37
Compound—Welding	239	Machine	246	Extension Bits	46
Coopers' Tools	59	Pipe	259	Extra Blades—Turning Saw	166
Coping Saws	163	Dies and Stocks	251, 259	Extra Cutter Wheels for Pipe	
Copper Rivets and Burs	352, 353	Dividers	128, 129	Cutters	221
Copper Wire	334	Angle	101	Extra Cutters—	
Coppers—Soldering	378	Dogs—		Cutting Nippers	143
Cork Floats	109	Lathe	310	Emery Wheel Dresser	187
Corner Braces	44	Pipe Wrench	228	Expansive Bits	37
Corner Chisels	51	Dollies	370	Threading Tools	308
Corner Trowels	109	Double Pointed Tacks	455	Extra Dogs—Pipe Wrench	228
Cotter Pin Extractors	355	Dove Tail Saws	166	Extra Frames—Pipe Wrench	228
Cotters—Spring	357	Dowel Bits	37	Extra Jaws for Braces	44, 45
Cotton Waste	348	Dowel Plates	238	Extra Jaws—Pipe Wrench	228
Counter Brushes	358, 359	Dowel Pointers	29	Extra Nuts—Pipe Wrench	228
Countersink Bits	41	Drawing Boards	128	Extra Parts—Planes	95, 96
Countersinks	291, 292	Drawing Kits	128	Extras for KEEN KUTTER Grind-	
Blacksmiths'	234	Drawing Knives	60 to 62	stones	192
Couplings—Belt	351	Dressers—Emery Wheel	187	Extractors—Cotter Pin	355
Cracking Hammers	18	Drifting Picks	28	Eye Hammers	17, 18
Crayon Holders	338	Drill Bits	39	Eyes—Screw	435 to 437
Crayons—		Drill Cases	278		
Lumber	338	Drill Chucks	293, 294		
Metal Workers'	338	Drill Gauges	262		
Railroad	338	Drill Points	46		
School	338	Drilling Attachment, Chain	46		
Cross-Cut Saws	153, 154	Drilling Hammers	18		
Crow Bars	26	Drilling Machines	298		
Crucibles	387	Drills—			
Cupolas	325	Blacksmiths'	295	Face Spanners	231
Curves—Irrregular	136	Breast	47	Fancy Wood Planes	89, 90
Cut Lacing	350	Flat	292	Farriers' Hammers	16
Cutters—		Hand	46, 47	Farriers' Knives	419
Emery Wheel Dresser	187	Post	296, 297	Fasteners—	
For Expansive Bits	37	Ratchet	294	Belt	351, 352
Glass	336	Straightway	288	Steel	457
Gummer	150	Drivers—		Feather Dusters	360
Lace Leather	351	Hoop	59	Figures and Letters—Steel	342
Pipe	221	Screw	63, 64	File Cleaners	212
Screw Slotting	276	Dusters—Feather	360	File Frames—Side	212
Stone	25			File Handles	180
Washer	351			Files	195 to 212
Cutting Nippers	143, 144			Auger Bit	212
Cutting-Off Tools	306			Horse Tooth	212
				Saw, etc.	195 to 212
				Side	212
				Fillers—Engineers'	374
				Fillets—	
				Leather Pattern	323
				Wood Pattern	323
				Fire Pots	382
				Fire Sets—Blacksmiths'	298
				Firemen's Axes	6

C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

INDEX—Continued.

F	Page
Firmer Chisels	49, 50, 52
Firmer Gouges	54
Fixtures—Grindstone	191
Flask Clamps—Iron	322
Flask Clamps—Wooden	323
Flasks—	
Iron Ribbed and Beveled.....	324
Snap	322
Flat Drills	292
Flat Riveted Keys	357
Flat Spring Keys	357
Platters—Blacksmiths'	234
Fleams—Veterinary	406
Flint Paper	183
Floats—Cork	109
Floor Brushes	358
Floor Rammers	321
Foot Power Formers	312
Forges	241, 242
Formers—Foot Power	312
Foundry Furnaces	325
Frames—	
Side File	212
Pipe Wrench	228
Framing Chisels	51
Fullers—Blacksmiths'	235
Funnel and Oiler	376
Furnace Scoops	329
Furnaces—	
Foundry	325
Soldering	381
Furniture Nails	341

G

Garbage Cans	371
Gaskets—Rubber	278
Gauge Glasses	278
Gauges—	
Bit	102
Butt and Rabbet	104
Chamfer	101
Chisel	102
Drill	262
Jointer	101
Marking	103
Panel	104
Rule	101
Saw Tooth	151
Scratch	102
Screw Pitch	263
Slitting	102
Surface	263
Thickness	263
Wire	260 to 262

G

	Page
Gimlet Bits	49
Gimlets	49
Gimp Tacks	455
Glass Cutters	336
Glasses—	
Gauge	278
Level	113
Lubricator	278
Glue—Liquid	182, 339
Glue Brushes	359
Glue Pots	373
Gouges	54
Grain Scoops	329
Granitoid Tools	21 to 24
Graphite—Lubricating	387
Grinders—	
Chisel	193
Tool	193
Grinding Wheels	187
Grindstone Fixtures	191
Grindstones	191, 192
Groover or Dado Heads	277
Grub Hoes	28
Gummer Cutters	150
Gummers—Saw	150

H

Hack Saw Blades	161
Hack Saws	162
Power	168
Half Hatchets	8, 9, 10
Hame Rivets	356
Hammers	12 to 18
Blacksmiths'	17
Blacksmiths' Hand	14
Brad	14
Bush	18
Drilling	18
Eye	17, 18
Farriers'	16
Macadam or Cracking	18
Machinists'	14, 15
Machinists' Riveting	14, 15
Nail	12, 13, 15, 16
Napping	18
Ripping	16
Set, Blacksmiths'	294
Spalling	18
Stone	18
Stone Masons'	18
Striking	17
Tack	16

H

	Page
Hand Beaders	191
Hand Bull Ladles	325
Hand Ladle Bowls and Shanks	325
Hand Drills	46, 47
Hand Lamps	379
Hand Planer and Jointer	311
Hand Saws	155 to 159
Hand Screws	176, 177
Hand Vises	213, 214
Handles—	
Adze	332
Auger	180
Awl	181
Axe	331, 332
Chisel	181
File	189
Mattock	334
Pick	331, 332, 334
Plane	179
Saw	178, 179
Screw Driver	180
Shovel and Scoop	334
Sledge and Spike Maul	332
Soldering Copper	378
Spade	334
Turning Tool	179
Wood Carvers'	180
Hardies—Blacksmiths'	235
Harness Awls	67, 363
Hasps—Hinge	428
Hasps and Staples	427
Hat and Coat Hooks	432
Hatchets—	
Box	9
Broad or Bench	9, 11
Claw	9, 10
Half	8, 9, 10
Hunters'	11
Lathing	8, 10
Produce	11
Shingling	8, 9, 10
Tobacco	11
Hawks—Plasterers'	110
Hazel Hoes	28
Heading Tools—Blacksmiths'	234
Heads—	
Clamp	175
Polishing Lathe	303
Hemp Packing	348
Hide Glue	182
High Brass	386
Hinge Hasps	428
Hob Nails	456



INDEX—Continued.

H	Page
Hoes—	
Grub	28
Hazel	28
Palmetto	28
Holders—	
Crayon	338
Die	257, 258
Knurl	274
Pencil	338
Tool	365
Holders and Cutters—	
Roll Paper	185
Hollow Augers	38
Hooks—	
Belt	351
Bench	175, 176
Coat and Hat	432
Screw	432 to 434
Hooks and Eyes	437
Hooks and Staples	426
Hooks, Hasps and Staples	427
Hoop Brass	386
Hoop Drivers	59
Hoop Knives	59
Horse Tooth Files	212
Hose—Rubber	479
House Numbers	343
How <i>KEEN KUTTER</i> Pocket Knives Are Made	390 to 393
How to Read a Square	122, 123
Hungarian Nails	456
Hunters' Hatchets	11
I	
India Ink	339
Indicators—Speed	279
Information, <i>KEEN KUTTER</i> Pocket Knives	394 to 397
Ingot Moulds	322
Instruments—	
Mathematical	182 to 185
Iron—Venetian	139
Iron Flask Clamps	322
Iron Flasks—	
Ribbed or Beveled	324
Iron Riveting Bars	356
Iron Rivets and Bars	354, 356
Iron Screws	445
Iron Tubular Rivets	354
Irons—	
Plane	99
Tuyere	240
Irregular Curvers	136

J	Page
Jack Chains	473, 474
Jack Screws	365
Jacks—Automobile	365
Jaws—	
Extra for Pipe Wrenches	228
Jobs—Odd	106
Jointer and Planer—Hand	311
Jointer Gauges	101

K

Keyhole Saws	160
Keys—	
Center	279
Flat Riveted	357
Flat Spring	357
Kits—	
Automobile Tool	69 to 71
Drawing	138
Soldering	378
Knife Purses	406
Knives—	
Backing	59
Chamfer	59
Chip Carving	419
Drawing	60 to 62
Farriers'	419
Hoop	59
Pattern Makers'	419
Pocket	390 to 406
Putty	420
Rase	406
Sloyd	419
Wood Carving	419
Wood or Leather Workers'	419
Knurl Holders	274
Knurl Sets	274
Knurling Tools	274, 309
Knurls	275

L

Lace Leather	350
Lace Leather Cutters	351
Lacing—	
Cut	350
Wire Belt	352
Laquering or Varnish Brushes	359
Ladder Chains	474

L

L	Page
Ladies—	
Hand Bull	325
Melting	381
Lamps—Hand	379
Lanterns	476 to 478
Lathe Dog Wrenches	303
Lathe Dogs	310
Lathe Heads—Polishing	303
Lathe Tools—Slide Rest	304
Lathes	298 to 303
Lathing Hatchets	8, 10
Lead Pencils	337
Carpenters'	336
Leather Belting	350
Leather—Lace	350
Leather Pattern Fillets	323
Letters—Aluminum	343
Letters and Figures—Steel	342
Level Glasses	113
Level Sights	113
Levelers	59
Levels	111, 112, 113
Bit and Square	113
Liquid Glue	182, 239
Lines—	
Chalk	67, 68
Mason	68
Tape	126, 127
Lining Bars	26
Lining Tacks	455
Log Chains	475
Log Measures	119
Log Rules	119
Lubricating Graphite	387
Lubricating Oils	420
Lubricator Glasses	278
Lumber and Checking Pencils	338
Lumber Crayons	338

M

Macadam Hammers	18
Machine Bits	285, 287
Machine Bits in Sets	282
Machine Bolts	459
Machine Chisels—Mortising	313
Machine Chisels	374
Machine Files	147
Machine Punches	147
Machine Screw Taps	256
Machine Screws	464 to 469
Machine Wrenches	225

G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

INDEX—Continued.

M	Page
Machines—	
Boring	29
Combined	313
Drilling	298
Mortising	313
Spoke Tenoning	38
Machinists' Hammers	14, 15
Machinists' Riveting Hammers	14, 15
Magnets	149
Mallets	106, 107
Carvers'	58
Manual Training Benches	82 to 88
Marking Brushes	362
Marking Gauges	103
Marking or Artists' Brushes	359
Marking Punches	57
Masons' Lines	68
Materials—Brazing	379
Mathematical Instruments	132 to 135
Mattock Handles	334
Mattocks	28
Mauls	107
Ship	19
Spike	19
Wood Choppers'	19
Measures—Log	119
Melting Ladles	381
Metal—Babbitt	378
Metal Cutting Saws	162
Metal Polish	373, 374
Metal Workers' Crayons	338
Micrometer Callipers	269 to 271
Mitre Box Saws	159
Mitre Boxes	171, 172
Mitre Squares	124, 125
Mortars and Pestles	322
Mortising Machine Chisels	313
Mortising Machines	313
Moulders' Brushes	320
Moulders' Spray Cans	321
Moulders' Swabs	321
Moulders' Tools	314 to 319
Moulds—Ingot	322
Mounted Grindstones	192
Mucilage	339
Music Wire	384
 N 	
Nail Hammers	12, 13, 15, 16
Nail Sets	149

N	Page
Nails	447 to 453
Barrel	448
Box	448
Casing	448, 452
Channel	457
Clinch	448, 452
Clinching	457
Crate	449
Fence	448
Finishing	448
Furniture	341
Hinge	452
Hob	456
Hungarian	456
Roofing	449
Shingle	452
Shingling	449
Shoe	456, 457
Slating	449
Napping Hammers	18
Needles	363, 364
Collar	363
Sacking or Packing	363
Speying	363
Nests of Saws	160
Nippers—Cutting	143, 144
Numbers—House	343
Nut Augers	31
Nut Taps	252
Nut Wrenches	227
Nuts—	
Pipe Wrench	228
Plain	470
Semi-Finished	471
Threaded	471
Thumb	472
 O 	
Odd Jobs	106
Oil Stones	188 to 190
Oil Tanks	372
Oil and Funnel	376
Oil Sets	376
Oilers	374 to 377
Engineers'	377
Machine	374
Steel	375
Oils—Lubricating	420

P	Page
Packing—	
Asbestos	347
Genuine Spiral	347
Hemp	348
Rubber	347
Packing or Sacking Needles	363
Padlocks	421 to 425
Paint Brushes	362
Palmetto Hoes	28
Panel Gauges	104
Panel Saws	156, 157, 159
Paper—	
Emery	183
Flint	183
Wrapping	184
Paring Chisels	53
Parting Sand Riddles	321
Parting Tools	304
Parts—Extra Plane	96
Paste—Studio	339
Pattern Makers' Knives	419
Peg Awls	67
Pencil Clasps	128
Pencil Compasses	128
Pencil Holders	338
Pencils—	
Carpenters' Lead	336
Checking and Lumber	338
Lead	337
Lumber and Checking	338
Pencil Point Protectors	338
Pestles and Mortars	322
Pick Handles	331, 332, 334
Pick-up Tongs	322
Blacksmiths'	236
Picks—	
Drifting	28
Prospecting	27
Railroad	28
Pin Spanners	231
Pin Vises	214
Pincers	144, 145
Pinch Bars	26
Plas—	
Escutcheon	453
Taper	293
Pipe Cutters	231
Pipe Dies	259
Pipe Reamers	259
Pipe Taps	259
Pipe Tongs	221
Pipe Vises	220



INDEX—Continued.

P	Page
Pipe Wrenches	227, 228
Chain	222
Plane Handles	179
Planer Tools	309
Plane Irons	99
Planers—Hand	311
Planes—	
Adjustable	91, 93, 94, 97, 98
Bench	89
Extra Parts	95, 96
Fancy Wood	89, 90
Iron Block	92
Plasterers' Darbies	110
Plasterers' Hawks	110
Plasterers' Trowels	110
Plates—	
Dowel	238
Pump	246
Screw	247 to 255
Surface	238
Pliers	140 to 142
Plow Anvils—Blacksmiths'	235
Plug Taps	251, 252, 256
Plumb Bobs	108
Plumbs and Levels	111 to 113
Pocket Knives	390 to 406
Pointers—	
Dowel	39
Spoke	39
Pointing Trowels	109
Points—	
Extra Drill	46
Trammel	104, 105
Zinc Glaziers'	457
Polish—Metal	373, 374
Polishing Lathe Heads	303
Post Drills	296, 297
Pots—	
Fire	382
Glue	373
Power Grindstones	192
Price List of Screws	443, 444
Prizes Awarded <i>KEEN KUTTER</i>	
Cullery	388, 389
Produce Hatchets	11
Prospecting Picks	27
Protractors	187
Bevel	271, 272
Pencil Point	328
Pulley Blocks	343, 344
Pump Plates	246
Punch—Spacing Center	105

P	Page
Punches—	
Bell Centering	291
Belt	146
Blacksmiths'	233, 234
Center	147
Machine	147
Marking	57
Saddlery	146
Saw	161
Ticket	146
Purses—Knife	406
Putty Knives	420

Q

Quilt Frame Clamps	175
--------------------------	-----

R

Rabbit Gauges	104
Ratchet Drills	294
Rail Forks	96
Rail Screws	437
Railroad Adzes	7
Railroad Crayons	338
Railroad Picks	28
Railroad Track Tools	26
Rammers—	
Bench	321
Floor	321
Rase Knives	406
Rasps	202, 203
Ratchet Drill Braces	44
Razors—Safety	407 to 410
Reamer Bits	41
Reamers	257, 259, 290, 291
Pipe	259
Reels—Chalk Line	68
Ribbed and Beveled Iron Flasks	324
Riddles—Sand	321
Rings—Trap Door	427
Rip Saws	156, 157
Circular	312
Ripping Hammers	16
Rivet Sets and Headers	147
Riveters	355
Riveting Hammers—	
Machinists'	14, 15
Rivets—	
Clinch	353
Hame	356
Tinned Iron	356
Rivets and Bars	352 to 354

R

	Page
Roll Paper Holders and Cutters	185
Routers—Pattern Makers'	98
Rubber Gaskets	278
Rubber Hose	479
Rubber Packing	347
Rule Gauges	101
Rules	114 to 119
Desk	266
Saddlers'	363
Steel	264, 265
Wood	266

S

Sacking or Packing Needles	363
Saddlers' Rules	363
Safety Chains	474
Safety Razors	407 to 410
Sand Riddles	321
Sash Brushes	360
Saw Bench	169
Saw Blades—	
Bracket	165
Coil	161
Scroll	165
Turning	166
Wood	171
Saw Clamps	174
Saw Filers and Clamps	172
Saw Gummers	150
Saw Handles	178, 179
Saw Punches	161
Saw Screws	178
Saw Sets	173
Saw Swages	150
Saw Tools	151
Saw Tooth Gauges	151
Saws—	
Back	158, 159
Band	166, 167
Cabinet	159
Circular	152, 312
Circular, Rip	312
Compass	160
Coping	163
Cross-Cut	153, 154
Dove Tail	166
Hack	162
Hand	155 to 159
Interchangeable Nest	160
Keyhole	160
Metal Cutting	162
Mitre Box	159

N
O
P
Q
R
S
T
U
V
W
X
Y
Z

INDEX—Continued.

S		S		S	
	Page		Page		Page
Saws—Continued.		Sets—Continued.		Soapstone	379
Panel	156, 157, 159	Chisel	49 to 52	Socket Wrenches	229, 230
Power Hack	168	File, Blacksmiths'	238	Sockets—Steel	280
Rip	156, 157	Knurl	274	Solder	378
Scroll	163 to 165	Machine Bit	282	Soldering Copper Handles	378
Stair Builders'	161	Nail	149	Soldering Coppers	378
Turning	166	Oiler	376	Soldering Furnaces	381
Veneer	161	Rivet	147	Soldering Kits	378
Wood	171	Saw	173	Spacing Center Punches	105
Scales	366 to 368	Stencil	386	Spade Handles	334
Triangular	137	Tool	80, 81	Spades and Shovels	326 to 328
School Crayons	338	Twist Drill	281, 282, 286	Spalling Hammers	18
Scissors	411 to 414	Sewing Awls	67	Spanners—	
Scoop and Shovel Handles	334	Shank Tacks	455	Face	231
Scoops—		Shanks and Bowls—		Pin	231
Furnace	329	Hand Ladle	325	Spatulas	419
Grain	329	Shaves—Spoke	59, 62	Speed Indicators	279
Scrapers—		Shears	411, 415 to 417	Spelter	379
Cabinet	99, 100	Shields—Erasing	138	Wire	379
Veneer	100	Shingling Hatchets	8 to 10	Speying Needles	363
Scrapers or Burnishers	100	Ship Auger Bits	32	Spike Maul or Sledge Handles	332
Scratch Awls	66	Ship Augers	31	Spike Mauls	19
Scratch Gauges	102	Ship Axes	6	Spiral Packing	347
Screw Cases	446	Ship Car Bits	32	Spoke Pointers	39
Screw Chasers	303	Ship Carpenters' Adzes	7	Spoke Shaves	59, 62
Screw Driver Bits	40	Ship Mauls	19	Spoke Tenoning Machines	38
Screw Driver Handles	180	Shoe Nails	456, 457	Spool Wire	385
Screw Drivers	63, 64	Shoe Tacks	455	Spray Cans	321
Screw Eyes	435 to 437	Shovel and Scoop Handles	334	Spring Cotters	357
Screw Hooks	432 to 434	Shovels and Spades	326 to 328	Sprinkling Cans—Foundry	321
Screw Pitch Gauges	263	Shrinkage Rule	116, 264	Squares	121 to 124
Screw Plates	247 to 255	Shrinkers—Tire	244	Calliper	267
Screws	438 to 445	Side File Frames	212	Center	272
Bench	177	Side Files	212	Combination	271
Cap	463	Side Tools	307	Mitre	124, 125
Coach or Lag	460	Sidewalk Building	20	T	137
For Drill Chucks	294	Sights—Level	113	Try	124
Hand	176, 177	Sizers—Wood Turners'	304	Stair Builders' Saws	161
Hand Rail	437	Skein Bolts	460	Stamps—Steel	342
Jack	365	Sledge or Spike Maul Handles	332	Staples	426
Machine	464 to 469	Sledges—		Staples and Hasps	427
Saw	178	Blacksmiths'	17	Staples and Hooks	426
Set	462	Stone	18	Steel Figures and Letters	342
Vise Box	216	Sleeves—Steel	280	Steel Rules	264, 265
Scribers	273	Slicks—Carpenters'	49	Steel Stamps	342
Scroll Saw Attachments	298	Slide Rest Lathe Tools	304	Steel Wire	383, 384
Scroll Saw Blades	165	Sliding T Bevels	125	Steel Wool	182
Scroll Saws	163 to 165	Splitting Gauges	102	Stencil Daubers	358
Set Hammers—Blacksmiths'	234	Slotting Cutter—Screw	276	Stencil Sets	386
Set Screws	462	Sloyd Knives	419	Stenographers' Chairs	480
Sets—		Snap Flasks	322	Sticks—Yard	116
Awl and Tool	65, 66	Snips—		Stocks—Die	258
Bricklayers'	25	Dental	418	Stocks and Dies	245, 251, 259
Carving Tool	56, 57	Tinnere'	418	Stone Barrows	331
				Stone Cutters' Chisels	25



INDEX—Continued.

W	Page
Washer Cutters	351
Washers	473
Waste—Cotton	348
Waste Cans—Oily	372
Wedges—Wood Choppers'	19
Welding Borax	379
Welding Compound	239
Wheel Barrows	330, 331
Wheels—	
Barrow	330
Extra Cutter for Pipe Cutters	221
Grinding	187
Tire Measuring	244
Whisk Brooms	358
Whittling Trays	138
Wire Belt Lacing	352
Wire Brushes	320
Wire—	
Brass	384
Copper	384
Coppered	383

W	Page
Wire—Continued.	
Music	384
Spelter	379
Spool	385
Steel	383, 384
Wire Cutters	142
Wire Gauges	260 to 262
Wire Nails	447 to 453
Wood Carvers' Bench	53
Wood Carvers' Tool Handles	180
Wood Carvers' Vises	58
Wood Carving Knives	419
Wood Choppers' Mauls	19
Wood Choppers' Wedges	19
Wood Pattern Fillets	322
Wood Rules	266
Wood Saw Blades	171
Wood Saws	171
Wood Trimmers	170
Wood Turners' Sizers	304
Wooden Flask Clamps	323

W	Page
Wool—Steel	182
Work Bench and Tool Cabinet	72, 73
Work Benches	82 to 88
Wrapping Paper	184
Wrecking Bars	236
Wrenches	222 to 230
Lathe Dog	303
Tap	248, 251

Y

Yard Sticks	116
-------------------	-----

Z

Zig-Zag Rules	117
Zinc Glaziers' Points	457



KEEN KUTTER

TOOLS



HAVE CARVED THEIR
WAY THROUGH ALL
COMPETITION AND
LEAD THE WORLD.

"The Recollection of QUALITY Remains long after the PRICE is Forgotten."—E. C. SIMMONS.
Trade Mark Registered.



TRADE MARK:
E. C. SIMMONS' **KEEN KUTTER**,
REGISTERED.

AXES.
SINGLE BIT.

The name "**KEEN KUTTER**" the Wide World over stands for Quality, and the Universal Popularity of our "**KEEN KUTTER**" Axes proves them worthy of the name.



All our Handled Axes have Handles FASTENED WITH OUR GRELLNER PATENT WEDGE, which Will Positively Prevent the Head from Flying Off the Handle.

KEEN KUTTER*

Soft, Steel Body; Hardened Poll; Highest Grade Crucible Forged Steel Bit, HAND TEMPERED; GOLD BRONZED, WITH POLISHED HEAD AND BIT.



YANKEE (NARROW HEAD) PATTERN, PLAIN (for Illustration see Above).

	3½	4	4½
Weights, Unhandled, lbs.....	65	71	76
Weight per Dozen, Handled, about, lbs.....	\$18.50	18.75	19.00
No. 100E —With KEEN KUTTER Handle No. KX36..... Per Dozen.....	\$17.75	18.00	18.25
No. 100D —With Champion Octagon Handle No. CH36..... Per Dozen.....	\$17.00	17.25	17.50
No. 100Q —With Cumberland Handle No. CXX..... Per Dozen.....	\$12.50	12.75	13.00
No. 100 —WITHOUT HANDLE			
Weights, Unhandled, Assorted, lbs.....	3 to 4	3½ to 4	3½ to 4½
Weight per Dozen, Handled, about, lbs.....	65	67	70
No. 100E —With KEEN KUTTER Handle No. KX36..... Per Dozen.....	\$18.50	18.75	18.75
No. 100D —With Champion Octagon Handle No. CH36..... Per Dozen.....	\$17.75	18.00	18.00
No. 100Q —With Cumberland Handle No. CXX..... Per Dozen.....	\$17.00	17.25	17.25
No. 100 —WITHOUT HANDLE	\$12.50	12.75	12.75
Weights, Unhandled, Assorted, lbs.....	4 to 5	4½ to 5½	4½ to 6
Weight per Dozen, Handled, about, lbs.....	75	80	83
No. 100E —With KEEN KUTTER Handle No. KX36..... Per Dozen.....	\$19.00	19.25	19.25
No. 100D —With Champion Octagon Handle No. CH36..... Per Dozen.....	\$18.25	18.50	18.50
No. 100Q —With Cumberland Handle No. CXX..... Per Dozen.....	\$17.50	17.75	17.75
No. 100 —WITHOUT HANDLE	\$13.00	13.25	13.25

DAYTON (WIDE HEAD) PATTERN, PLAIN (for Illustration see Above).

	3½	4	4½	Assorted	
				3 to 4	3½ to 4½
Weights, Unhandled, lbs.....	65	71	76	65	68
Weight per Dozen, Handled, about, lbs.....	\$18.50	18.75	19.00	18.50	18.75
No. 101A —With Nonpareil Octagon Handle No. NX36.. Per Doz.	\$17.75	18.00	18.25	17.75	18.00
No. 101S —With Cumberland Handle No. CAA..... Per Doz.	\$17.50	17.75	18.00	17.50	17.75
No. 101NN —With Lone Star Octagon Handle No. LS.. Per Doz.	\$12.50	12.75	13.00	12.50	12.75
No. 101 —WITHOUT HANDLE					
Weights, Unhandled, Assorted, lbs.....	3½ to 4½	4 to 5	4½ to 5½	5 to 6	
Weight per Dozen, Handled, about, lbs.....	70	75	80	84	
No. 101A —With Nonpareil Octagon Handle No. NX36.. Per Doz.	\$18.75	19.00	19.25	19.50	
No. 101S —With Cumberland Handle No. CAA..... Per Doz.	\$18.00	18.25	18.50	18.75	
No. 101NN —With Lone Star Octagon Handle No. LS.... Per Doz.	\$17.75	18.00	18.25	18.50	
No. 101 —WITHOUT HANDLE	\$12.75	13.00	13.25	13.50	

Handled Axes, One Dozen in a Crate, Heads Enclosed, Handles Projecting, Wrapped in Paper and Burlapped.
Unhandled Axes, One Dozen in a Wood Box.

For Approximate Shipping Weight of Unhandled Axes, Deduct 16 lbs. per Dozen from Weight of Same Axe Handled. Weight of Each Axe Stamped on the Poll.

- 5 -

AXES.

SINGLE BIT.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

The name "KEEN KUTTER" the Wide World over stands for Quality, and the Universal Popularity of our "KEEN KUTTER" Axes proves them worthy of the name.



No. 100B.



No. 108.

All our Handled Axes have Handles FASTENED WITH OUR GRELLNER PATENT WEDGE, which Will Positively Prevent the Head from Flying Off the Handle.

KEEN KUTTER*

Soft Steel Body; Hardened Poll; Highest Grade Crucible Forged Steel Bit, HAND TEMPERED; FULL POLISHED AND ETCHED.

YANKEE (NARROW HEAD) PATTERN, PLAIN.



	3 to 4	3½ to 4½	4 to 5
Weights, Unhandled, Assorted, lbs.....	65	70	75
Weight per dozen, Handled, about, lbs.....			
No. 107E —With KEEN KUTTER Handle No. KX36, per Doz.....	\$19.75	20.00	20.25
No. 107CC —With Minnesota Chief Handle No. MC4X..... Per Doz.....	\$19.00	19.25	19.50
No. 107T —With Cumberland Handle No. CA, Per Doz.....	\$18.25	18.50	18.75
No. 107 —WITHOUT HANDLE..... Per Doz.....	\$13.75	14.00	14.25

MICHIGAN PATTERN, PLAIN (for Illustration see Above).

	3 to 4	3½ to 4½	4 to 5
Weights, Unhandled, Assorted, lbs.....	65	70	75
Weight per dozen, Handled, about, lbs.....			
No. 108C —With Wyoming Oval Handle No. WR36..... Per Dozen.....	\$19.50	19.75	20.00
No. 108FF —With Wisconsin Handle No. R4X..... Per Dozen.....	\$19.00	19.25	19.50
No. 108X —With Blue Oak Handle No. A1N..... Per Dozen.....	\$18.00	18.25	18.50
No. 108 —WITHOUT HANDLE..... Per Dozen.....	\$13.75	14.00	14.25

YANKEE (NARROW HEAD) PATTERN, BEVELED (for Illustration see Above).

	3½ to 4½	4 to 5
Weights, Unhandled, Assorted, lbs.....	70	75
Weight per dozen, Handled, about, lbs.....		
No. 109B —With Colorado Octagon Handle..... Per Dozen.....	20.25	20.50
No. 109M —With Cumberland Handle No. CSA..... Per Dozen.....	19.25	19.50
No. 109DD —With Minnesota Chief Handle No. MC3X..... Per Dozen.....	19.25	19.50
No. 109 —WITHOUT HANDLE..... Per Dozen.....	14.75	15.00

Handled Axes, One Dozen in a Crate, Heads Enclosed, Handles Projecting, Wrapped in Paper and Burlapped.

Unhandled Axes, One Dozen in a Wood Box.

For Approximate Shipping Weight of Unhandled Axes, Deduct 16 lbs. per Dozen from Weight of Same Axe Handled. Weight of Each Axe Stamped on the Poll.

TRADE MARK:
E. C. SIMMONS' **KEEN KUTTER**,
REGISTERED.

AXES.

SINGLE BIT.

All our Handled Axes have Handles FASTENED WITH OUR GRELLNER PATENT WEDGE, which Will Positively Prevent the Head from Flying Off the Handle.



No. 111/C.



No. 113.

KEEN KUTTER*

Soft Steel Body; Hardened Poll; Highest Grade Crucible Forged Steel Bit, HAND TEMPERED.

YANKEE (NARROW HEAD) PATTERN, HOLLOW BEVEL; FULL POLISHED AND ETCHED.



	3 to 4	3½ to 4½	4 to 5	4½ to 5½
Weights, Unhandled, Assorted, lbs.....	3 to 4	3½ to 4½	4 to 5	4½ to 5½
Weight per dozen, Handled, about, lbs.....	65	70	75	80
No. 110A —With Nonpareil. Oct. Hdl. No. NX36, Per Doz.	\$24.25	24.50	24.75	25.00
No. 110E —With KEEN KUTTER Handle No. KX36, Per Doz.	\$24.00	24.25	24.50	24.75
No. 110/S —With Cumberland Handle No. CAA, Per Doz.	\$23.50	23.75	24.00	24.25
No. 110 —WITHOUT HANDLEPer Doz.	\$18.25	18.50	18.75	19.00

MICHIGAN PATTERN, HOLLOW BEVEL; FULL POLISHED AND ETCHED.

(for illustration see Above).

	3 to 4	3½ to 4½	4 to 5
Weights, Unhandled, Assorted, lbs.....	3 to 4	3½ to 4½	4 to 5
Weight per dozen, Handled, about, lbs.....	65	70	75
No. 111C —With Wyoming Oval Handle No. WR36.....Per Dozen.....	\$23.75	24.00	24.25
No. 111CC —With Minnesota Chief Handle No. MC4X.....Per Dozen.....	\$23.50	23.75	24.00
No. 111T —With Cumberland Handle No. CA.....Per Dozen.....	\$23.75	23.00	23.25
No. 111 —WITHOUT HANDLEPer Dozen.....	\$18.25	18.50	18.75

Handled Axes, One Dozen in a Crate; Unhandled Axes, One-twelfth Dozen in a Carton, One Dozen in a Wood Box.

Nos. 110 and 111 **KEEN KUTTER** HOLLOW BEVELED AXES are for the Expert Chopper, built for rapidity and ease of cutting. The carefully ground bevels afford a quick clearance for the Axe, which will not bind in the cut; the grinding is extra keen and the temper hard, for use under most exacting conditions. These Axes are not recommended for ordinary use or for Amateurs, but are indispensable to an Expert Chopper who can appreciate an extra high class tool.

DAYTON (WIDE HEAD) PATTERN, HOLLOW BEVEL; FULL POLISHED; BEVELS PAINTED RED (for illustration see Above).

	3 to 4	3½ to 4½	4 to 5	4½ to 5½
Weights, Unhandled, Assorted, lbs.....	3 to 4	3½ to 4½	4 to 5	4½ to 5½
Weight per dozen, Handled, about, lbs.....	65	70	75	80
No. 113D —With Champion Octagon Handle No. CH36.....Per Dozen,	\$19.75	20.00	20.25	20.50
No. 113Q —With Cumberland Handle No. CXX.....Per Dozen,	\$19.00	19.25	19.50	19.75
No. 113V —With Blue Oak Handle No. AIR.....Per Dozen,	\$18.50	18.75	19.00	19.25
No. 113 —WITHOUT HANDLEPer Dozen,	\$14.50	14.75	15.00	15.25

MICHIGAN PATTERN, HOLLOW BEVEL; FULL POLISHED; BEVELS PAINTED RED.



	3 to 4	3½ to 4½	4 to 5
Weights, Unhandled, Assorted, lbs.....	3 to 4	3½ to 4½	4 to 5
Weight per dozen, Handled, about, lbs.....	65	70	75
No. 114C —With Wyoming Oval Hdl., No. WR36, Per Doz.....	\$20.00	20.25	20.50
No. 114/S —With Cumberland Handle No. CAA, Per Doz.....	\$19.75	20.00	20.25
No. 114EE —With Minnesota Chief Handle No. MC2X.....Per Doz.....	\$18.00	18.25	18.50
No. 114 —WITHOUT HANDLEPer Doz.....	\$14.50	14.75	15.00

Handled Axes, One Dozen in a Crate, Heads Enclosed, Handles Projecting, Wrapped in Paper and Burlapped.

Unhandled Axes, One Dozen in a Wood Box.

For Approximate Shipping Weight of Unhandled Axes, Deduct 16 lbs. per Dozen from Weight of Same Axe Handled. Weight of Each Axe Stamped on the Poll.

-7-

AXES.

DOUBLE BIT.

All our Handled Axes have Handles FASTENED WITH OUR GRELLNER PATENT WEDGE, which Will Positively Prevent the Head from Flying Off the Handle.



KEEN KUTTER®
Soft Steel Body; Highest Grade Crucible Forged Steel Bits, HAND TEMPERED.

REGULAR OR WESTERN PATTERN; GOLD BRONZED, WITH POLISHED BITS (for illustration see Above).

	3 to 4	3½ to 4½	4 to 5
Weights, Unhandled, Assorted, lbs.....	65	70	75
Weight per dozen, Handled, about, lbs.....			
No. 150DA—With Nonparell DB Handle No. NDX36..... Per Dozen,	\$23.50	23.75	24.00
No. 150DN—With Wisconsin Handle No. DB4X..... Per Dozen,	\$22.75	23.00	23.25
No. 150DS—With Standard Excelsior DB Handle..... Per Dozen,	\$21.00	21.25	21.50
No. 150 —WITHOUT HANDLE	\$17.50	17.75	18.00

	4½ to 5½	4½ to 6
Weights, Unhandled, Assorted, lbs.....	80	83
Weight per dozen, Handled, about, lbs.....		
No. 150DA—With Nonparell DB Handle No. NDX36..... Per Dozen	\$24.25	24.25
No. 150DN—With Wisconsin Handle No. DB4X..... Per Dozen	\$23.50	23.50
No. 150DS—With Standard Excelsior DB Handle No. SDA..... Per Dozen	\$21.75	21.75
No. 150 —WITHOUT HANDLE	\$18.25	18.25

WISCONSIN PATTERN; GOLD BRONZED, WITH POLISHED BITS.

	3 to 4	3½ to 4½	4 to 5
Weights, Unhandled, Assorted, lbs.....	65	70	75
Weight per dozen, Handled, about, lbs.....			
No. 151DA—With Nonparell DB Handle No. NDX36..... Per Dozen	\$23.25	23.50	23.75
No. 151DK—With Blue Oak Handle No. A1RDB..... Per Dozen	\$21.75	22.00	22.25
No. 151DS—With Standard Excelsior DB Handle No. SDA.. Per Dozen	\$21.00	21.25	21.50
No. 151 —WITHOUT HANDLE	\$17.50	17.75	18.00

CALIFORNIA REVERSIBLE, OR HALF PEELING PATTERN; GOLD BRONZED, WITH POLISHED BITS.

	3½ to 4½	4 to 5
Weights, Unhandled, Assorted, lbs.....	70	75
Weight per dozen, Handled, about, lbs.....		
No. 152DA—With Nonparell DB Hdl., No. NDX36, Per Doz.....	\$23.50	23.75
No. 152DH—With Cumberland Handle No. CDA, Per Doz.....	\$23.25	22.50
No. 152DL—With Blue Oak Handle No. B2RDB, Per Doz.....	\$20.25	20.50
No. 152 —WITHOUT HANDLE	\$17.75	18.00



Handled Axes, One Dozen in a Crate, Heads Enclosed, Handles Projecting, Wrapped in Paper and Burlapped.
Unhandled Axes, One Dozen in a Wood Box.

For Approximate Shipping Weight of Unhandled Axes, Deduct 16 lbs. per Dozen from Weight of Same Axe Handled. Weight of Each Axe Stamped Near the Eye.

TRADE MARK:
E. C. SIMMONS' **KEEN KUTTER**
REGISTERED.

BROAD AXES.



High Grade.
Holds its Edge.
Shaped Right.
Weight in the
proper place.



Pittsburg Pattern.



Ramsey Pattern.



Canada Pattern.

KEEN KUTTER*

Soft Steel Body; Hardened Poll; Highest Grade Crucible Forged Steel Laid Bit, Hand Tempered and Tested; Gold Bronzed Body; Polished Head and Bit.

PITTSBURG PATTERN.

Nos.	KP67	KP78
Weights in a Box, Assorted, lbs.	6 to 7	7 to 8
Width of Cutting Edge, inches	11 to 12	12 to 13
Weight per dozen about, lbs.	90	102
Per dozen	\$32.00	35.00

RAMSEY PATTERN.

Nos.	KR78
Weights in a Box, Assorted, lbs.	7 to 8
Width of Cutting Edge, inches	11½ to 12½
Weight per dozen about, lbs.	102
Per dozen	\$46.00

CANADA PATTERN.

Nos.	KC/67	KC/78	KC/89
Weights in a Box, Assorted, lbs.	6 to 7	7 to 8	8 to 9
Width of Cutting Edge, inches	10½ to 11½	11½ to 12½	12½ to 13½
Weight per dozen about, lbs.	90	102	114
Per dozen	\$44.00	46.00	48.00

One-half Dozen in a Wood Box.

FIREMEN'S AXES.



Soft Steel Body; Forged Polished Bit and Pick Point, Carefully Tempered; Handled with 36 inch Oval Hickory Handle; Fastened with GRELLNER PATENT WEDGE.

Per Dozen
No. KF6—**KEEN KUTTER*** Highest Grade Crucible Steel Bit; Gold Bronzed Body; Weight each 6 lbs.; with Extra Quality Handle; Length of Head 13 inches; Length of Point 3½ inches; Width of Cut 5¼ inches; Weight per dozen about 115 lbs. \$36.00
One Dozen in a Crate.

SHIP AXES.



Soft Steel Body; Highest Grade Crucible Forged Steel Polished Bit, Carefully Tempered; Hardened Poll; Gold Bronzed Body, with Polished Head; Not Handled.

Per Dozen
No. KKS—**KEEN KUTTER*** Assorted 5 to 6 lbs.; Length, Poll to Bit, Assorted, 10 to 11 inches; Width of Cut, Assorted, 6 to 6½ inches; Weight per dozen about 75 lbs. \$30.00
One-half Dozen in a Wood Box.

MT

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.



ADZES.

KEEN KUTTER®



Edges are
Specially Ground
to a
Keen Edge.



Soft Steel Body; Highest Grade Crucible Forged Steel Bit, Extra Tempered; Steel Faced Head; Gold Bronzed Body; Polished Head and Bit; Solid Punched Eye.

HOUSE CARPENTERS', HALF HEAD.

Nos.	KC/3½	KC/4	KC/4½
Width of Cut, inches.....	3½	4	4½
Length, inches.....	9	9	9
Weight per dozen about, lbs....	48	50	53
Per dozen.....	\$30.00	30.00	30.00

One-half Dozen in a Wood Box.

RAILROAD, FLAT HEAD.

No.	KR5
Width of Cut, inches.....	5
Length, inches.....	9
Weight per dozen about, lbs.....	60
Per dozen.....	\$32.00

One Dozen in a Wood Box.



Every KEEN KUTTER ADZE
is carefully inspected
and tested before
leaving the Factory.



SHIP CARPENTER'S, SPUR HEAD.

Soft Steel Body; Highest Grade Crucible Forged Steel Bit, Extra Tempered; Gold Bronzed Spur Head and Bit; Polished Bit; Solid Punched Eye. Specially Ground to a Keen Edge.

PLAIN BIT.

Nos.	KPS/4	KPS/4½
Width of Cut, inches.....	4	4½
Length, inches.....	11	11
Weight per dozen about, lbs.....	42	44
Per dozen.....	\$36.00	36.00

One-half Dozen in a Wood Box.

LIPPED BIT.

No.	KLS/4½
Width of Cut, inches.....	4½
Length, inches.....	11
Weight per dozen about, lbs.....	36
Per dozen.....	\$39.00

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

HATCHETS.

Highest Polished Nickel Plating.
Most Beautifully Finished Goods of
their Kind ever produced.



KEEN KUTTER*—NICKEL PLATED.

Highest Grade CRUCIBLE STEEL SOLID FORGED BODY and Bit; Hardened Poll; Extra Tempered; Sharp-ened Ready for Use; FULL NICKEL PLATED AND ETCHED. Select KEEN KUTTER Grade Hickory Handle, FAST-ENED WITH OUR GRELLNER PATENT WEDGE.



SHINGLING.
Special Pattern, Adze Eye,
Round Slim Neck,
Square Check-
ered Poll.

No. **K501**

Width of Cut, inches 3½
Length over all, inches 13
Weight per dozen about, lbs. 19
Per dozen \$17.00



SHINGLING.
Haines Pattern, Adze Eye,
Round Neck, Bell
Poll.

Nos. **K201** **K202**

Width of cut, inches 3¼ 3½
Length over all, inches 12 13
Weight per dozen about, lbs. 19 21
Per dozen \$16.50 17.00



HALF.
Haines Pattern, Adze
Eye, Round Neck,
Bell Poll.

Nos. **K301** **K302**

Width of Cut, inches 3 3¼
Length over all, inches 12 13
Weight per dozen about, lbs. 18 20
Per dozen \$16.50 17.00



LATHING.
Underhill Pattern, Plain Eye,
Square Head, Checkered
Face.

Nos. **K415** **K420** **K425**

Width of Cut, inches 2 2½/16 2½/16
No. of Scores 8 9 10
Length over all, inches 12½ 12½ 12½
Weight each, without Handle, ozs. 13 15 16
Weight per dozen about, lbs. 17 19 20
Per dozen \$18.00 18.50 19.00



LATHING.
Haines Pattern, Adze Eye, Round
Neck, Bell Poll, Checkered
Face, Nine Scores.

No. **K401**

Width of Cut, inches 2½/16
Length over all, inches 13
Weight each, without Handles, ozs. 19
Weight per dozen about, lbs. 20
Per dozen \$17.00



LATHING.
Philadelphia Pattern, Plain Eye,
Square Head, Checkered
Face, Seven Scores.

No. **K410**

Width of Cut, inches 2¼
Length over all, inches 12
Weight each, without Handle, ozs. 10
Weight per dozen about, lbs. 15
Per dozen \$14.00

One-half Dozen in a Cardboard Box; Six Dozen in a Case.

- 31 -



TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

HATCHETS.

KEEN KUTTER®—NICKEL PLATED.

SOFT STEEL BODY; Solid Punched Box Eye; Highest Grade Crucible Forged Steel Bit. Extra Tempered; Sharpened Ready for Use; Steel Faced Poll; FULL NICKEL PLATED AND ETCHED; Select KEEN KUTTER Grade Hickory Handle, FASTENED WITH OUR GRELLNER PATENT WEDGE.



No. KNS/1.
Plain
Neck and
Poll.



No. KNO/1.
Octagon
Neck and
Poll.



No. KNH/1.
Plain
Neck and
Poll.



No. KNHO/1.
Octagon
Neck and
Poll.
HALF.

SHINGLING.

Nos.	KNS/1	KNS/2	KNO/1	KNO/2
Neck and Poll	Plain	Plain	Octagon	Octagon
Width of Cut, in.	3½	4	3½	4
Length over all, in.	13	14	13	14
Weight per dozen about, lbs.	25	29	25	29
Per dozen	\$12.50	13.00	14.50	15.00

Nos.	KNH1	KNH2	KNHO/1	KNHO/2
Neck and Poll	Plain	Plain	Octagon	Octagon
Width of Cut, in.	3½	3¾	3¾	3¾
Length over all, in.	13	14	13	13½
Weight per dozen about, lbs.	24	28	24	28
Per dozen	\$13.00	13.50	15.00	15.50

One-half Dozen in a Cardboard Box; Six Dozen in a Case.



CLAW.
Plain Poll.

Nos.	KNC1	KNC2
Width of Cut, inches.	3½	4
Length over all, inches.	13	14
Weight per dozen about, lbs.	22	26
Per dozen	\$13.50	14.00

One-half Dozen in a Wood Box;
Six Dozen in a Case.



BROAD OR BENCH.
Single Bevel.

Nos.	KNB2	KNB3	KNB4
Width of Cut, inches.	4½	5	5½
Length over all, inches.	15½	16½	17½
Weight per doz. about, lbs.	27	33	37
Per dozen	\$17.50	20.00	21.50

One-half Dozen in a Wood Box; Three Dozen in a Case.

California Pattern, Square Head, Checkered Face, 14 Scores, Slightly Crowning Face.

Highest Grade CRUCIBLE STEEL SOLID FORGED BODY and BIT; Hardened Poll; Extra Tempered; FULL NICKEL PLATED AND ETCHED. Select "Nonpareil" Grade Hickory Handle, FASTENED WITH OUR GRELLNER PATENT WEDGE.

No. KCB0—Width of Cut 2½ inches; Length over all 12 inches; Weight per dozen about 15 lbs. Per Dozen \$18.00

One-half Dozen in a Cardboard Box; Six Dozen in a Case.



TRADE MARK:
E. C. SIMMONS' **KEEN KUTTER**
REGISTERED.

HATCHETS.

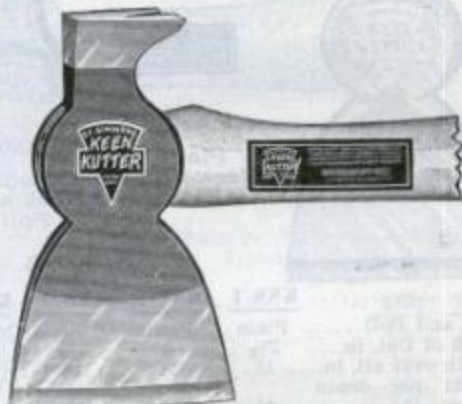
KEEN KUTTER®—BRONZED.

Soft Steel Body; Solid Punched Box Eye; Highest Grade Crucible Forged Steel Bit, Extra Tempered, Sharpened Ready for Use; Steel Faced Poll; **GOLD BRONZED BODY; EXTRA POLISHED HEAD AND BIT;** Select **KEEN KUTTER** Grade Hickory Handle, FASTENED WITH OUR GRELLNER PATENT WEDGE.



SHINGLING.
Plain Poll.

Nos.	KS/0	KS/1	KS/2	KS/3
Width of Cut, inches.....	3 1/4	3 1/2	4	4 1/2
Length over all, inches....	12	13	14	14 1/2
Wgt. per dozen about, lbs...	20	22	25	30
Per dozen	\$8.75	9.25	9.75	10.25



CLAW.
Plain Poll.

No.	KC1	KC2	KC3
Width of Cut, inches	3 1/2	4	4 1/2
Length over all, inches	13	14	14 1/2
Weight per dozen about, lbs....	23	28	30
Per dozen	\$10.25	10.75	11.25

KEEN KUTTER Hatchets are Guaranteed to be of Superior Selection and Quality, and Lead the World.



HALF.
Plain Poll.

Nos.	KH1	KH2	KH3
Width of Cut, inches.....	3 1/4	3 5/8	4
Length over all, inches.....	12 1/2	13 1/2	14 1/2
Weight per dozen about, lbs....	20	23	30
Per dozen	\$9.75	10.25	10.75



LATHING.
Checkered Face.

Nos.	KL1	KL2
Width of Cut, inches	2 3/4	2 1/2
Length over all, inches	12	13
Weight per dozen about, lbs....	18	22
Per dozen	\$9.25	9.75

One-half Dozen in a Cardboard Box; Two Dozen in a Case.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

-36-
HATCHETS, ERS.
KEEN KUTTER®



Soft Steel Body; Solid Punched Box Eye; Highest Grade Crucible Forged Steel Bit, Extra Tempered; Sharpened Ready for Use; Steel Faced Poll; Select **KEEN KUTTER** Grade Hickory Handle, FASTENED WITH OUR GRELLNER PATENT WEDGE.



BROAD OR BENCH.
SINGLE BEVEL, Gold Bronzed Body, Extra Polished Head and Bit.

Nos.	KB1	KB2	KB3
Width of Cut, inches	4	4½	5
Length over all, inches	14	14½	15
Weight per dozen about, lbs.	23	26	30
Per dozen	\$10.50	11.50	13.00
Nos.	KB4	KB5	KB6
Width of Cut, inches	5½	6	6½
Length over all, inches	15½	16½	17½
Weight per dozen about, lbs.	36	42	49
Per dozen	\$14.50	16.50	18.00

BROAD OR BENCH.
DOUBLE BEVEL, Gold Bronzed Body, Extra Polished Head and Bit.

Nos.	KDB2	KDB3	KDB4
Width of Cut, inches	4¾	5¾	5¾
Length over all, inches	14¾	15	15¾
Weight per dozen about, lbs.	26	36	40
Per dozen	\$13.00	15.00	16.50

One-half Dozen in a Cardboard Box; Three Dozen in a Case.



PRODUCE.
Gold Bronzed Body, Extra Polished Bit and Head, with Special Top Nail Slot, Square Checkered Face.

No.	KGP10
Width of Cut, inches	3
Length over all, inches	11½
Weight per dozen about, lbs.	14
Per dozen	\$9.00

One-half Dozen in a Cardboard Box; KGP10 Two Dozen; KT2 Six Dozen in a Case.



TOBACCO.
Full Polished and Etched; Checkered Poll.

No.	KT2
Width of Cut, inches	3½
Length over all, inches	15
Weight per dozen about, lbs.	31
Per dozen	\$12.50



HUNTERS'.

Yankee Pattern, Full Polished and Etched, with Sportsmen's Pattern Handle.

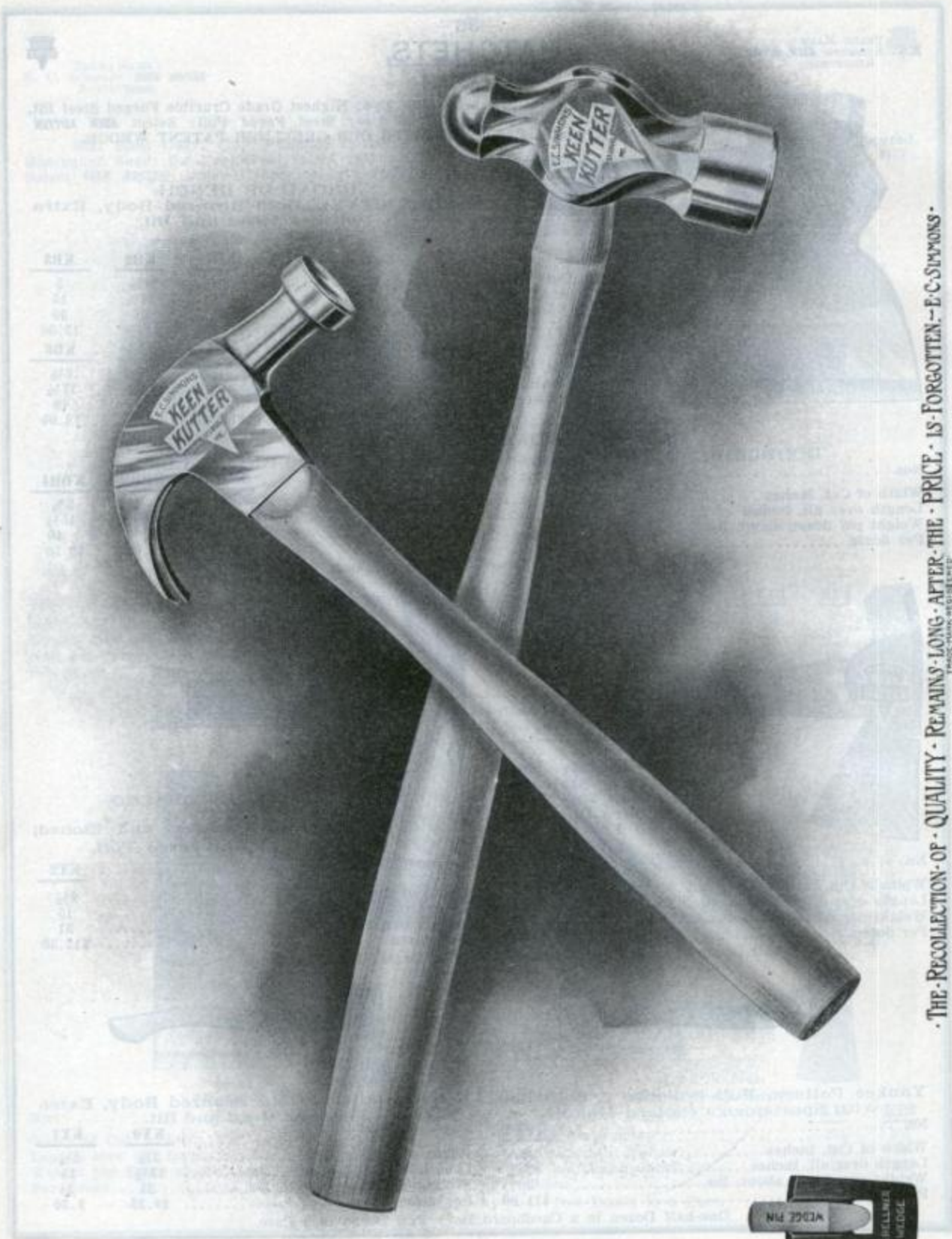
No.	KP3/0
Width of Cut, inches	2¾
Length over all, inches	13½
Weight per dozen about, lbs.	20
Per dozen	\$11.00

One-half Dozen in a Cardboard Box; Two Dozen in a Case.



Yankee Pattern, Gold Bronzed Body, Extra Polished Head and Bit.

Nos.	KY0	KY1
Width of Cut, inches	3¾	3¾
Length over all, inches	13½	15
Weight per dozen about, lbs.	21	24
Per dozen	\$9.25	9.50



· THE RECOLLECTION OF · QUALITY · REMAINS · LONG · AFTER · THE · PRICE · IS · FORGOTTEN · - · E.C. SIMMONS ·
MADE IN THE U.S.A.

For Description, see Pages 13 and 14.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

HANDLED HAMMERS.

KEEN KUTTER®

Drop Forged from one Solid Piece of Highest Grade Crucible Steel; Hardened Face; Tempered Claws; Thoroughly Tested; Bastard Cut Handle, FASTENED WITH OUR GRELLNER PATENT WEDGE.

On all KEEN KUTTER® Hammers we insist upon Severe and Carefully Measured Tests, which demonstrate and enable us to Guarantee the proper hardness of the Striking Faces; the proper temper and slitting of the Claws and the proper Hardening of the Edges of the Claws, fitting them to grip and hold a nail firmly. They are automatically tempered, producing even heats, and the temper is drawn by a thermometer, insuring absolute uniformity.



POLISHED.

NAIL.

Adze Eye, Bell Face, Polished, Dull Black Finish on Neck and Under Claws, KEEN KUTTER Grade White Hickory Handle.

Nos.	K611	K611½	K612	K613	K614
Wgt. without Hdl., ozs.	20	16	13	7	5
Length over all, in....	14	13	13	12	11
Wgt. doz. about, lbs..	22	18	15	10	7
Per dozen	\$12.00	11.50	11.00	10.50	10.50



POLISHED.

NAIL.

Adze Eye, Plain Face; Polished; Dull Black Finish under Claw; with KEEN KUTTER Grade White Hickory Handle.

Nos.	K1	K1½	K2	K3
Weight without Handle, ozs.	20	16	13	7
Length over all, inches....	14	13	13	12
Weight per dozen about, lbs.	22	18	15	10
Per dozen	\$12.00	11.50	11.00	10.50



NAIL.

Adze Eye, Bell Face, Full Nickel Plated, with KEEN KUTTER Grade White Hickory Handle.

Nos.	K11	K11½	K12	K13
Weight without Handle, ozs.	20	16	13	7
Length over all, inches....	14	13	13	12
Weight per dozen about, lbs.	22	18	15	10
Per dozen	\$13.00	12.50	12.00	11.50



NAIL (OR BOX).

Adze Eye, Checkered Bell Face, Full Nickel Plated; with KEEN KUTTER Grade White Hickory Handle.

Nos.	KC11½	KC12
Weight without Handle, ozs.....	16	13
Length over all, inches.....	13	13
Weight per dozen about, lbs.....	18	15
Per dozen	\$13.00	12.50

In Finishing KEEN KUTTER Nickel Plated Hammers go over Three or Four More Buffing Wheels than any other High Grade Nickel Plated Hammers on the Market; this gives a Mirror-like Perfection of Finish.



NAIL.

Adze Eye, Octagon Neck and Head, Full Nickel Plated, with Ebonized Hickory Handle.

Nos.	K511	K511½	K512	K513
Wgt. without Handle, ozs..	21	17	14	8
Length over all, inches....	14	13	13	12
Wgt. per dozen about, lbs..	22	18	15	10
Per dozen	\$15.50	15.00	14.50	14.00



NAIL.

Adze Eye, Octagon Head, Round Neck; Full Nickel Plated, with KEEN KUTTER Grade White Hickory Handle.

Nos.	K110	K110½	K112	K113
Wgt. without Handle, ozs..	21	17	14	8
Length over all, inches ...	14	13	13	12
Wgt. per dozen about, lbs..	22	18	15	10
Per dozen	\$14.50	14.00	13.50	13.00

One in a Carton; Protects the Finish and makes a Convenient Retailers' Package.
One-half Dozen in a Cardboard Box; Six Dozen in a Case.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

HANDLED HAMMERS.



KEEN KUTTER® HAMMERS.

The Handles are Select KEEN KUTTER Grade White Hickory, the grain running with the long Diameter of the Handle, Giving the full Strength of the Wood against any Strain which can be Brought upon the Handle.



KEEN KUTTER®—NICKEL PLATED.
Drop Forged from One Solid Piece of Highest Grade Crucible Steel; Thoroughly Tested; Handled with KEEN KUTTER Grade Select White Hickory Handle, Bastard Cut, AND FASTENED WITH OUR GRELLNER PATENT WEDGE.

MACHINISTS' BALL PEIN.

Octagon Pattern, Full Nickel Plated; Hardened Face and Pein; Spring Neck Handle.

Nos.	KM6/0	KM5/0	KM4/0	KM3/0	KM2/0	KM/0	KM1	KM2	KM3	KM4
Weight without Handle, ozs.	3	4	6	8	12	16	20	24	28	32
Length over all, inches	10	11	12	12½	13½	14½	15	16	16½	17
Weight per dozen about, lbs.	4	5	6¾	10¾	14	16	21	24	28	30
Per dozen	\$12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00

One-third Dozen in a Cardboard Box; Six Dozen in a Case.

KEEN KUTTER® HAMMERS.

Our KEEN KUTTER Trade Mark Design is Neatly Stamped into the Head of each Hammer, and a small and attractive Label is Fastened to the Handle, Embodying the talking points of the Grellner Wedge, and our Guarantee of Quality.



BLACKSMITHS' HAND.

Full Nickel Plated; Hardened Face and Pein.

Nos.	KB0	KB1	KB2	KB3	KB4
Weight without Handle, ozs.	26	32	42	48	56
Length over all, inches	15	15½	16	16½	17
Weight per dozen about, lbs.	23	29	36	43	48
Per dozen	\$17.50	18.50	19.50	20.50	21.50

One-third Dozen in a Cardboard Box; Six Dozen in a Case.

KEEN KUTTER® HAMMERS.

Drop Forged by an Improved Process, which closely Hammers the Grain of the Steel and does not Crystallize It as some of the Older Processes.



MACHINISTS' RIVETING.
Plain Eye; Full Nickel Plated; Hardened Face and Pein.

Nos.	KR0	KR1	KR2	KR3	KR4	KR5
Weight without Handle, ozs.	4	7	9	12	15	18
Length over all, inches	11	11½	12	12½	13	13½
Weight per dozen about, lbs.	5	8	9½	12½	16	18½
Per dozen	\$7.00	7.25	7.50	7.75	8.00	8.50



BRAD.
Plain Eye, Tempered Claws; Full Nickel Plated.

No.	KB20
Weight without Handle, ozs.	4
Length over all, inches	11½
Weight per dozen about, lbs.	5¾
Per dozen	\$7.00

One-half Dozen in a Cardboard Box; Six Dozen in a Case.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED

HANDLED HAMMERS.

KEEN KUTTER BLACK JACK.*

Drop Forged from One Solid Piece of Highest Grade Crucible Steel; Hardened Face; Tempered Claws, Thoroughly Tested; Handled with KEEN KUTTER Grade Select White Hickory Handle, FASTENED WITH OUR GRELLNER PATENT WEDGE.



NAIL.
Adze Eye, Plain Face, Dull Black Finish; Polished Face and Tips of Claws.

Nos.	KJ1	KJ1½	KJ2
Weight without Handle, ozs.	20	16	13
Length over all, inches	14	13	13
Weight per dozen about, lbs.	22	18	15
Per dozen	\$12.00	11.50	11.00



Dull Black Finish not Easily Rusted.

NAIL.
Adze Eye, Bell Face, Dull Black Finish; Polished Poll and Tips of Claws.

Nos.	KJ11	KJ11½	KJ12
Weight without Handle, ozs.	20	16	13
Length over all, inches	14	13	13
Weight per dozen about, lbs.	22	18	15
Per dozen	\$12.00	11.50	11.00



NAIL.
Adze Eye, Octagon Neck and Head, Dull Black Finish; Polished Poll and Tips of Claws.

Nos.	KJ511	KJ511½	KJ512
Weight without Handle, ozs.	21	17	14
Length over all, inches	14	13	13
Weight per dozen about, lbs.	22	18	15
Per dozen	\$14.50	14.00	13.50

One-twelfth Dozen in a Carton; Protects the Finish and Makes a Convenient Retailers' Package.
One-half Dozen in a Cardboard Box; Six Dozen in a Case.



No. KJMO.

MACHINISTS' BALL PEIN.

Octagon Pattern; Dull Black Finish, with Polished Striking Poll and Ball Pein.

Nos.	KJM3/0	KJM2/0	KJM0	KJM1	KJM2	KJM3	KJM4
Weight without Handle, ozs.	8	12	16	20	24	28	32
Length over all, inches	12½	13½	14½	15	16	16½	17
Weight per dozen about, lbs.	10½	14	16	21	24	28	30
Per dozen	\$12.00	12.00	12.50	13.50	14.50	15.50	16.50

One-third Dozen in a Cardboard Box; Six Dozen in a Case.



No. KJR2.

MACHINISTS' RIVETING.

Plain Eye; Dull Black Finish; Polished Face, Top and Cross Pein.

Nos.	KJR0	KJR1	KJR2	KJR3	KJR4	KJR5
Weight without Handle, ozs.	4	7	9	12	15	18
Length over all, inches	11	11½	12	12½	13	13½
Weight per dozen about, lbs.	5	8	9½	12½	16	18½
Per dozen	\$7.00	7.25	7.50	7.75	8.00	8.50

One-half Dozen in a Cardboard Box; Six Dozen in a Case.



TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

HANDLED HAMMERS.

KEEN KUTTER®—NICKEL PLATED.

Drop Forged from One Solid Piece of Highest Grade Crucible Steel; Hardened Face; Tempered Claws; Thoroughly Tested; Bastard Cut Handle, FASTENED WITH OUR GRELLNER PATENT WEDGE.

On all KEEN KUTTER Hammers we insist upon Severe and Carefully Measured Tests, which demonstrate and enable us to Guarantee the proper hardness of the Striking Faces; the proper Temper and Slitting of the Claws, and the proper Hardening of the Edges of the Claws, fitting them to grip and hold a Nail firmly. They are automatically tempered, producing even heats, and the temper is drawn by a thermometer, insuring absolute uniformity.



NAIL OR RIPPING.

Adze Eye, Bell Face; Straight Claws, Full Nickel Plated, with Nonpareil Grade White Hickory Handle.

No. K311½—Weight without Handle, 16 ozs.; Length over all 13 inches; Weight per dozen about 18 lbs.\$12.50
One in a Carton; Protects the Finish and Makes a Convenient Retailers' Package. One-half Dozen in a Cardboard Box; Six Dozen in a Case.



FARRIERS'

Adze Eye, Octagon Neck; Round Tapering Poll; Full Nickel Plated; Tempered Claws.

No. KFS—Weight without Handle 10 ozs.; Length over all 13½ inches; Weight per dozen about 12 lbs.\$11.50
One-half Dozen in a Cardboard Box; Six Dozen in a Case.



FARRIERS'

Adze Eye (Heller Pattern); Whale Back Claws; Full Nickel Plated; Tempered Claws.

Nos.	KF10	KF12
Weight without Handle, ozs.	10	12
Length over all, inches	13½	14
Weight per dozen about, lbs.	13	15
Per dozen	\$9.50	10.50



No. KF7

FARRIERS'

Round Poll; Full Nickel Plated; Tempered Claws.

PLAIN EYE.

No. KF6—Weight without Handle 7 ozs.; Length over all 12½ inches; Weight per dozen about 9 lbs.\$7.75

ADZE EYE.

No. KF7—Weight without Handle 7 ozs.; Length over all 13 inches; Weight per dozen about 10½ lbs. 9.00

One-half Dozen in a Cardboard Box; Six Dozen in a Case.

TACK HAMMERS.



KEEN KUTTER®

Highest Grade Crucible Steel, Nickel Plated; Carefully Tempered Claws and Hardened Face, with Second Growth Hickory Handle.

Adze Eye; Upholsterers' Pattern; Non-Magnetic.

No. K400—KEEN KUTTER®; Length of Head 6 inches; Length over all 10½ inches Weight per dozen about 6½ lbs.\$10.00



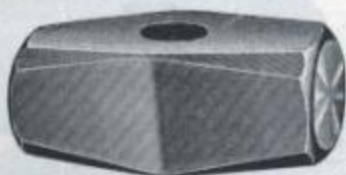
Adze Eye; Horse Shoe Pattern; Magnetic.

No. K500—KEEN KUTTER®; Length of Head 4½ inches; Length over all 10½ inches; Weight per dozen about 6 lbs.\$10.00

One-half Dozen in a Cardboard Box.



EYE HAMMERS.



SHORT STRIKING HAMMERS.

Solid Forged Steel, Oil Finish, with Hardened and Polished Face.

Oregon Pattern, Straight Face.

Missouri Pattern, Rounding Face.

	No. OSS.					
Weight each, lbs...	3	3½	4	4½	5	6
Length, inches.....	4¼	4½	5	5¼	5½	5¾
Per pound	\$0.40	.40	.40	.40	.30	.30
Weight each, lbs...	7	8	9	10	12	14
Length, inches.....	6	6¼	6½	6¾	7	7½
Per pound	\$0.30	.30	.30	.30	.30	.30

	No. MRS.			
Weight each, lbs.	6	6½	7	8
Length, inches	5¾	6	6½	7
Per pound	\$0.30	.30	.30	.30



LONG STRIKING HAMMERS.

Nevada Pattern, Straight Face.

Solid Forged Steel, Oil Finished, with Hardened and Polished Face.

	No. NLS.							8	9	10	12	14
Weight each, lbs.	3	3½	4	4½	5	6	7	7¾	7½	7¾	8½	8¾
Length, inches	5½	5¾	6	6¼	6½	6¾	7	.30	.30	.30	.30	.30
Per pound	\$0.40	.40	.40	.40	.30	.30	.30	.30	.30	.30	.30	.30



BLACKSMITHS' SLEDGES.

Solid Forged Steel, Oil Finish, with Hardened and Polished Face.

Single Face, Hardened Cross Pein.

Double Face.

	No. BS.			
Weight each, lbs.	6	8	10	12
Length, inches	6¼	7	7¾	7½
Per pound	\$0.30	.30	.30	.30
Weight each, lbs.	14	16	18	
Length, inches	8	8½	8¾	
Per pound	\$0.30	.30	.30	

	No. BD.			
Weight each, lbs.	6	8	10	12
Length, inches	6½	7	7½	7¾
Per pound	\$0.30	.30	.30	.30



BLACKSMITHS' HAND HAMMERS.

Single Face, Cross Pein.

Solid Forged Steel, Oil Finish, with Hardened and Polished Face; Hardened Pein.

	No. BH.					
Weight each, lbs.	1½	2	2½	3	3½	4
Length, inches	4¼	4½	4¾	5	5¼	5½
Per pound	\$0.50	.50	.50	.40	.40	.40

Packed Loose.

EYE HAMMERS.

SPALLING OR STONE HAMMERS.

Solid Forged Steel, Oil Finish, with Hardened and Polished Face.



No. J—Single Face.

No. K—Double Face.

Weight each, lbs.	4	5	6	8
Length, inches	6 $\frac{1}{2}$	6 $\frac{3}{4}$	7 $\frac{1}{4}$	8
Per pound	\$0.50	.40	.40	.40
Weight each, lbs.	10	12	14	16
Length, inches	8 $\frac{1}{2}$	9	9 $\frac{1}{4}$	9 $\frac{3}{4}$
Per pound	\$0.40	.40	.40	.40

Weight each, lbs.	4	5	6	8
Length, inches	5 $\frac{1}{2}$	6 $\frac{1}{2}$	7	7 $\frac{3}{4}$
Per pound	\$0.50	.40	.40	.40
Weight each, lbs.	10	12	14	16
Length, inches	8 $\frac{1}{2}$	8 $\frac{3}{4}$	9 $\frac{1}{4}$	9 $\frac{3}{4}$
Per pound	\$0.40	.40	.40	.40



Solid Forged Steel, Oil Finish, with Hardened and Polished Face.



NAPPING HAMMERS.

HAND DRILLING HAMMERS.

No. N—Double Face.

No. CHD—Double Face, California Pattern.

Weight each, lbs.	2	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$
Length, inches	5	5 $\frac{1}{4}$	6	6 $\frac{1}{4}$
Per pound	\$0.50	.50	.40	.40
Weight each, lbs.	4	4 $\frac{1}{2}$	5	
Length, inches	6 $\frac{1}{2}$	7	7 $\frac{1}{4}$	
Per pound	\$0.40	.40	.30	

Weight each, lbs.	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5
Length, inches	5	5 $\frac{1}{4}$	5 $\frac{1}{2}$	6 $\frac{1}{4}$	6 $\frac{3}{4}$
Per pound	\$0.50	.50	.50	.50	.40



STONE MASONS' HAMMERS.

Solid Forged Steel, Painted Red, with Polished, Hardened Face, and Polished Bit.



No. M—Single Face, without Teeth.

No. MT—Single Face, with Teeth.

Weight each, lbs.	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$
Length, inches	6 $\frac{1}{2}$	6 $\frac{3}{4}$	7	7 $\frac{1}{4}$	7 $\frac{1}{2}$	7 $\frac{3}{4}$
Per pound	\$0.55	.55	.55	.55	.50	.50
Weight each, lbs.	6	6 $\frac{1}{2}$	7	7 $\frac{1}{2}$	8	
Length, inches	8 $\frac{1}{2}$	8 $\frac{1}{2}$	8 $\frac{3}{4}$	8 $\frac{3}{4}$	8 $\frac{3}{4}$	
Per pound	\$0.50	.50	.50	.50	.50	

Weight each, lbs.	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$
Length, inches	6 $\frac{1}{2}$	6 $\frac{3}{4}$	7	7 $\frac{1}{4}$
Per pound	\$0.60	.60	.60	.60
Weight each, lbs.	5	5 $\frac{1}{2}$	6	
Length, inches	7 $\frac{1}{2}$	7 $\frac{3}{4}$	8	
Per pound	\$0.55	.55	.55	



Solid Forged Steel, Oil Finish.



STONE SLEDGES.

BUSH HAMMERS.

With Hardened and Polished Face.

With Hardened Toothed Faces. Double Face.

No. S—Single Face.

Weight each, lbs.	6	8	10	12
Length, inches	7	7 $\frac{1}{2}$	8	8 $\frac{1}{2}$
Per pound	\$0.30	.30	.30	.30
Weight each, lbs.	14	16	18	20
Length, inches	9	9 $\frac{1}{4}$	9 $\frac{1}{2}$	10
Per pound	\$0.30	.30	.30	.30

Nos.	1B	2B
Weight each, lbs.	8 $\frac{1}{2}$	7 $\frac{1}{2}$
Length, inches	8 $\frac{1}{2}$	8 $\frac{1}{2}$
Diameter, inches	2	1 $\frac{3}{4}$
Number of Teeth (Coarse End)	36	132
Number of Teeth (Fine End)	81	144
Each	\$8.25	7.25

MACADAM OR CRACKING HAMMERS.

Solid Forged Steel; Oil Finish; Hardened.

No. C—Round Pattern.



Weight each, lbs.	1 $\frac{1}{4}$	1 $\frac{1}{2}$
Diameter, inches	2 $\frac{3}{4}$	3
Each	\$0.95	1.15

Packed Loose.

MT

TRADE MARK:
"ARKANSAS"
REGISTERED.

MAULS.



Solid Forged Steel, with Hardened and Polished Faces.

RAILROAD SPIKE MAULS.

No. RS—Single Face; Tapering End;
Oil Finished.

Weight each, lbs.	6	8	10
Length, inches	9½	10½	11¼
Per pound	\$0.30	.30	.30

SHIP OR TOP MAULS.

No. ST—Single Face; Tapering End;
Painted Red, with Polished Ends.

Weight each, lbs.	4	4½	5	5½	6
Length, inches	8¼	8½	8¾	9	9¼
Per pound	\$0.42	.42	.42	.42	.42

WOOD CHOPPERS' MAULS.



No. E—STANDARD, Regular Pattern.

Solid Forged Steel; Painted Red; Polished and
Hardened Face and Bit.

Weight each, lbs.	7	8	9	10
Length, inches	8½	8¾	8¾	9
Per pound	\$0.36	.36	.36	.36

No. D—STANDARD, Oregon Pattern.

Solid Forged Steel, Oil Finished; Hardened Face
and Bit.

Weight each, lbs.	6	7	8	9	10
Length, inches	8¾	8¾	8¾	9	10
Per pound	\$0.36	.36	.36	.36	.36

Packed Loose.

WEDGES.



WOOD CHOPPERS'.

Hardened Head and Bit; Oil Finished.

CALIFORNIA, TRUCKEE PATTERN.

No. T—STANDARD; Forged Bessemer Steel.

Weight each, lbs.	4	4½	5	5½
Width at Point, inches	2	2 ³ / ₁₆	2¼	2½
Length over all, inches	8¾	9½	9½	10
Per pound	\$0.25	.25	.25	.25

Weight each, lbs.	6	7	8
Width at point, inches	2½	2½	3
Length over all, inches	10½	11	11
Per pound	\$0.25	.25	.25

Packed in Kegs of about 250 lbs; Straight Sizes.

WOOD CHOPPERS' OR TIE MAKERS'.

Extra Quality Solid Forged Steel, Oil Finished.

ARKANSAS* Spread Point.

Weight each, lbs.	3	3½	4	4½
Width at Point, inches	2 ³ / ₁₆	2¼	2½	2½
Length over all, inches	6½	7½	7¾	8¼
Per pound	\$0.20	.20	.20	.20

Weight each, lbs.	5	3 to 4
Width at Point, inches	2½	2 ³ / ₁₆ to 2½
Length over all, inches	9¾	6½ to 9¾
Per pound	\$0.20	.20

Packed about 50 lbs. in a Wood Box; Either Straight
or Assorted Sizes.

CEMENT WORK.

SIDEWALK BUILDING.



Excavate for foundation to a depth of from 8 to 12 inches below the surface of the proposed walk, depending upon the soil and climate conditions; where the soil is clayey or is subject to heavy frosts, the foundation should be of good depth to allow a drainage and to take up frost expansion. After excavation has been made, the same is filled to within 4 inches of the top of proposed walk with well tamped, coarse gravel, broken stones, or cinders, then, after a 4-inch framework is placed in position, a 3 inch coat of thoroughly tamped grout is laid on the foundation. This grout consists of gravel or crushed stone, sand and cement sufficiently moistened, so that water will show at the top when solidly tamped. The grout is then cut in blocks or sections about 4 feet by 4 feet, or 5 feet by 5 feet; then, before this layer has lost its moisture or become set, the top dressing or wearing coat, consisting of sand and cement with enough water to make a stiff mortar, is laid onto the grout. This coat is struck off level with top of frame and smoothed with a float, always being careful to cut into blocks corresponding with those of the grout. The joints between the blocks are then finished with a jointer and the edges finished with a neat, rounding, bevel or square effect with an edger properly made for that purpose. The surface is then rolled with an indentation or fine line roller, which prevents the walk from becoming slippery and gives it a neat appearance.

CURB AND GUTTER.

Excavate from 26 to 32 inches below top of proposed curb and a little wider than combined curb and gutter, fill with well tamped, coarse gravel or broken stone to within 6 inches of top of gutter, then place in position a framework 6 inches high and the width of the combined curb and gutter, the back-side of which extends to the top of proposed curb. Into this tamp concrete, consisting of one part cement, two parts sand and five parts gravel, to a depth of 5 inches, separating into sections not longer than 6 feet. A 1½ inch plank, forming the face of the curb, is placed in position with spreader boards of the desired width or curb between this and back frame, this plank being firmly held in position by curb clamp. Into this is tamped a grout mixture to within ¼ inch of top of curb. If the grout has been firmly tamped, the face form can be removed by releasing the clamps and a ¾ inch facing consisting of three parts cement, five parts sand, immediately applied to top and sides of curb and a 1 inch coat to top of gutter, increasing the thickness towards outside of gutter to give proper drainage slope. This is worked to an even surface by drawing a straight edge, laid parallel with curb, from top of curb to street side of gutter; after smoothly floating, the upper face edge of curb is finished with a curbing edger having the desired shape, and the angle between curb and gutter with a curb-gutter finishing tool, the outer edges being finished with a regular sidewalk edger. The joints, which are cut to correspond with those of the grout, are finished with a short sidewalk jointer, or preferably with a roller jointer, as a jointer of this kind is more easily operated in the angle formed at the juncture of curb and gutter. Another convenient and popular way of making a curb is to plaster the finishing coat onto the frame and then tamp grout in back of finishing coat to within ¼ inch of top, which space is filled with finishing coat and struck off even with frame, the edges being finished with a curbing edger before framework is removed.

MIXING.

The secret of mixing material for both grout and top dressing lies in determining the voids of the materials used, which must be filled in order to make the mixture as dense and strong as possible. For the grout, the voids in the gravel must be filled with cement. For the top coat, the voids in the sand must be filled with cement, but as it is sometimes impossible, if not impracticable, for one to determine exactly the voids of each of the materials used, we give the following rules for mixtures which, if adhered to and thoroughly tamped, a cement will be obtained with a crushing strength of 1,000 pounds per square inch of surface.

MIXTURE FOR GROUT.

Where medium sized gravel or crushed stone is used, one part cement, two parts sand, five parts gravel or stone.

MIXTURE FOR TOP DRESSING.

Three parts cement, five parts sand. Both in the grout and the top dressing the materials should be thoroughly mixed dry and again mixed after adding water. We would add that the above formulas will only apply where medium sized gravel or crushed stone is used, for if the gravel is very coarse it will be readily seen that it will require more of the finer material to fill the voids and the only correct mixtures are those in which the finer materials will exactly fill the voids of the coarser.

COLORING.

Where a special color is desired, we would recommend for

- Black, 2 per cent. carbon black.
- Red, 10 per cent. raw iron oxide.
- Blue, 6 per cent. ultramarine.
- Brown, 6 per cent. roasted iron oxide.
- Buff, 10 per cent. ochre.

-64A-

TRADE MARK
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

GRANITOID OR CEMENT TOOLS.

KEEN KUTTER®

Highest Grade Bronze Metal, with Burnished Face; Rubberoid Finish Hardwood Handles.

JOINTERS.



No. K01—JOINTER; Both Ends Rounded; 2½ inches Wide, 6 inches Long, 3 inches High; 3¾ inch Handle; Cuts ½ inch Deep; Weight per dozen about 17 lbs. \$18.00



No. K011—NARROW JOINTER; Both Ends Rounded; 1¾ inches Wide, 8 inches Long, 3¼ inches High; 3¾ inch Handle; Cuts ½ inch Deep; Weight per dozen about 19 lbs. \$18.00



No. K05—STRAIGHT END JOINTER; One End Rounded; 3 inches Wide, 6 inches Long, 3 inches High; 3¾ inch Handle; Cuts ½ inch Deep; Weight per dozen about 17 lbs. \$18.00



No. K042—NARROW STRAIGHT END JOINTER; One End Rounded; 1¾ inches Wide, 8 inches Long, 3¾ inches High; 3¾ inch Handle; Cuts ½ inch Deep; Weight per dozen about 19 lbs. \$18.00

EDGERS.



No. K02.

No. K02—EDGER; Both Ends Rounded; 2¾ inches Wide, 6 inches Long, 3 inches High; 3¾ inch Handle; ¼ inch Turned Edge, with ¾ inch Radius; Weight per dozen about 16 lbs. \$18.00

No. K04—EDGER; Both Ends Rounded; 3 inches Wide, 6 inches Long, 3¾ inches High; 3¾ inch Handle; 1 inch Turned Edge, with ¾ inch Radius; Weight per dozen about 17 lbs. 18.00

No. K0100—CURBING EDGER; Slightly Oval Surface; 3½ inches Wide, 6½ inches Long, 4¾ inches High; 3¾ inch Handle; 2 inch Turned Edge, with 1½ inch Radius; Weight per dozen about 20 lbs. 24.00

One-sixth Dozen in a Cardboard Box.



No. K0100.

Per Dozen

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.



GRANITOID OR CEMENT TOOLS.

KEEN KUTTER®

Highest Grade Bronze Metal, with Burnished Face; Rubberoid Finish Hardwood Handles.

EDGERS.



No. K038—NARROW EDGER: Both Ends Rounded; 1½ inches Wide, 8 inches Long, 3¼ inches High; 3¾ inch Handle; ¼ inch Turned Edge, with ¼ inch Radius; Weight per dozen about 18 lbs.\$18.00

Per Dozen



No. K039—NARROW EDGER: Both Ends Rounded; 1½ inches Wide, 8 inches Long, 3¼ inches High; 3¾ inch Handle; 1 inch Turned Edge, with ¼ inch Radius; Weight per dozen about 18 lbs.\$19.00

Per Dozen

One-sixth Dozen in a Cardboard Box.



No. K037—EDGER: Both Ends Rounded; 1½ inches Wide, 6 inches Long, 3 inches High; 3¾ inch Handle; ¼ inch Radius; Outside of Cutting Edge has a Guide which runs on the Framework; Weight per dozen about 13 lbs.\$17.00

Per Dozen

One-quarter Dozen in a Cardboard Box.



No. K017—SQUARE EDGER: Both Ends Rounded; 3 inches Wide, 6 inches Long, 3½ inches High; 3¾ inch Handle; Cutting Edge 1½ inches; Weight per dozen about 19 lbs.\$19.00

Per Dozen

One-sixth Dozen in a Cardboard Box.

CORNER TOOL.



No. K006—CORNER TOOL: One End Straight and One End Curving Back; 1½ inch Sides; 6 inches Long, 3 inches High; 4 inch Handle; Weight per dozen about 15 lbs.\$18.00

Per Dozen

One-sixth Dozen in a Cardboard Box.

ROLLER.



No. K015—INDENTATION ROLLER; 10 inches Long, 4 inches in Diameter; Varnished Hardwood Handle 14 inches Long; Makes Square Impressions; Weight each about 10 lbs.\$12.00

Each

Packed Loose.

-64C-

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

GRANITOID OR CEMENT TOOLS.

KEEN KUTTER®

ROLLERS.

Highest Grade Bronze Metal.



No. K020—LINE ROLLER; 10 inches Long, 4 inches in Diameter; Varnished Hardwood Handle 14 inches Long; Makes Line Impressions giving appearance of Bush Hammered Stone; 6 Grooves to the inch; Weight each about 11 lbs.\$12.00

Each



No. K016—DRIVEWAY ROLLER; 10 inches Long, 4 inches in Diameter; Varnished Hardwood Handle 14 inches Long; Makes 1/2 inch Grooves 2 inches Apart; For Grooving Driveways so horses will not slip; Weight each about 10 lbs.\$11.00

Each

Packed Loose.

FLOATS.

Highest Grade Aluminum; Rubberoid Handles.



No. K52—FLOAT; 4 1/2 x 12 inches, Smooth Faced; 6 inch Handle; 2 3/4 inches High; Weight per dozen about 18 lbs\$24.00

Per Dozen



No. K59—FLOAT; 4x10 inches, Corrugated Both Ways; 5 1/2 inch Handle; 2 3/4 inches High; Weight per dozen about 18 lbs.\$24.00

Per Dozen

One-sixth Dozen in a Cardboard Box.

RADIUS TOOLS.

Highest Grade Bronze Metal; Polished Hardwood Handles.



No. K023—RADIUS TOOL; 5 1/2 inches Long, 1 1/2 inches Wide; 3 3/4 inch Handle; One inch Turned Edge, with 3/4 inch Radius; Weight per dozen about 6 lbs.\$12.00

No. K011—RADIUS TOOL; 5 1/2 inches Long, 1 1/2 inches Wide; 3 3/4 inch Handle; 1 1/4 inch Turned Edge, with 3/4 inch Radius; Weight per dozen about 8 lbs. 12.00

Per Dozen

One-half Dozen in a Cardboard Box.

TRADE MARK:
CHIPAWAY
REGISTERED.

GRANITOID OR CEMENT TOOLS.

CHIPAWAY



ROLLER JOINTERS.



ROLLER EDGERS.



Special Grade Cast Iron, Nickel Plated, with Burnished Face; $4\frac{1}{2}$ inch Varnished Hardwood Handle; Handle Bracket $3\frac{1}{2}$ inches Long.

No. 48—ROLLER JOINTER; Cylinder 2 inches Long, 2 inches Diameter; Cuts $\frac{1}{2}$ inch Deep Per Dozen \$18.00

No. 49—ROLLER EDGER; Cylinder 2 inches Long, 2 inches Diameter; $\frac{3}{4}$ inch Turned Edge, with $\frac{3}{8}$ inch Radius Per Dozen \$18.00

No. 50—ROLLER EDGER; Cylinder 2 inches Long, 2 inches Diameter; 1 inch Turned Edge, with $\frac{3}{4}$ inch Radius 18.00

One-sixth Dozen in a Cardboard Box; Weight per Dozen about 14 lbs.

TAMPERS OR RAMMERS.



No. 21.



No. 8/8.

Standard Cast Iron.

Cast Iron, Natural Finish 3 inch Socket; Complete with 4 ft. Hardwood Handles.

No. 21—SQUARE; 8x8 inches; $\frac{3}{8}$ inches Thick; Weight each about 20 lbs. Each \$3.00
No. 22—SQUARE; 10x10 inches; $\frac{3}{8}$ inches Thick; Weight each about 25 lbs. 4.00
No. 23—ROUND; 6 inches; 2 inches Thick; Weight each about 20 lbs. 3.00
No. 24—ROUND; 7 inches; 2 inches Thick; Weight each about 25 lbs. 4.00

Standard Steel.

Steel Plate $\frac{7}{16}$ inch Thick; Riveted to Heavy Malleable Iron Collar 5 inches in Diameter, $4\frac{1}{2}$ inches Deep; Complete with 4 foot Hardwood Handles.

No. 8/8—SQUARE; 8x8 inches; Weight each about 12 lbs. \$3.00
No. 8/10—SQUARE; 10x10 inches; Weight each about 17 lbs. 4.50

Packed Loose.

RAISED (TUCK) POINTERS.



Special Grade Cast Iron, Nickel Plated, with Burnished Concave Groove; $4\frac{1}{2}$ inch Varnished Hardwood Handle, with Brass Ferrule; Used for making a Raised Pointing or Beading on Cement Block, Brick or Stone Walls.

No. 12—TUCK POINTERS, with Groove $4\frac{1}{4}$ inches Long.

Width of Bead or Groove, inches.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Weight per dozen about, lbs.....	4	4	4
Per dozen	\$6.00	6.00	6.00

One Dozen in a Cardboard Box.



BRICKLAYERS' TOOLS.



Showing Bevel.



Showing Bevel.

BRICKLAYERS' SETS.

Forged Tool Steel, Oil Tempered, Natural Finish;
Shank $\frac{3}{8}$ inch in Diameter; Single Bevel
Blade $4\frac{1}{2}$ inches Wide; Length over all $7\frac{1}{2}$
inches; Weight per dozen about 18 lbs. \$0.50

Per Pound

BRICKLAYERS' CHISELS.

Forged Tool Steel, Oil Tempered, Natural Finish;
Shank $\frac{3}{8}$ inch in Diameter; Double Bevel Blade.
Width of Blade, inches..... $3\frac{1}{2}$ 4 $4\frac{1}{2}$
Length over all, inches 7 $7\frac{1}{2}$ $7\frac{3}{4}$
Weight per dozen about, lbs..... 16 18 $19\frac{1}{2}$
Per lb. \$0.50 .50 .50

STONE CUTTERS' TOOLS.

Forged Tool Steel, Oil Tempered, Natural Finish; For Use on Limestone Only.



STONE CUTTERS' POINTS.

Mallet Head; $\frac{3}{8}$ inch Steel; Width of Blade $\frac{3}{16}$
inch; Length over all $8\frac{1}{2}$ inches; Weight
per dozen about 15 lbs. \$0.50

Per Pound



STONE CUTTERS' PITCHING TOOLS.

Mallet Head; $\frac{3}{8}$ inch Steel; Width of Blade 2
inches; Single Bevel; Length over all 9
inches; Weight per dozen about 26 lbs. \$0.50

Per Pound



STONE CUTTERS' CHISELS, WITHOUT TEETH.

Mallet Head; Double Bevel Blade.
Width of Blade, inches.. $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ $1\frac{3}{4}$ 2
Length over all, inches.. 9 9 9 9 9 9
Wgt. per doz. about, lbs. 10 15 17 18 19 21
Per lb. \$0.50 .50 .50 .50 .50 .50

Packed Loose.



STONE CUTTERS' CHISELS, WITH TEETH.

Mallet Head; Double Bevel Blade.
Width of Blade, inches.. $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ $1\frac{3}{4}$ 2
Length over all, inches.. 9 9 9 9 9 9
Wgt. per doz. about, lbs. 10 15 17 18 19 21
Per lb. \$0.50 .50 .50 .50 .50 .50

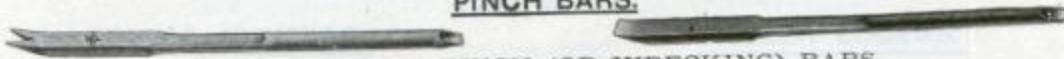
RAIL FORKS



TRADE MARK:
E. C. SIMMONS' KEEN CUTTER,
REGISTERED.

BARS.

PINCH BARS.

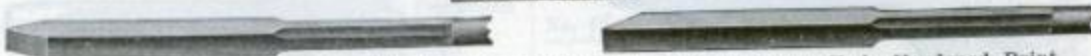


CARPENTERS' PINCH (OR WRECKING) BARS.

Forged from Best Open Hearth Steel, Oil Finished; with Wedge or Chisel Point at Upper End; Length over all 30 inches; Upper End 3/4 inch Round; Lower End 3/4 inch Square.

<p>No. K30—KEEN CUTTER*, WITH SPLIT PINCH POINT OR CLAW AT LOWER END; Extra Finished and Tempered; Weight each about 5 1/4 lbs. \$3.00</p>	<p>Each</p>	<p>No. P—STANDARD, WITH PLAIN PINCH POINT AT LOWER END; Weight each about 5 1/4 lbs. \$2.00</p>	<p>Each</p>
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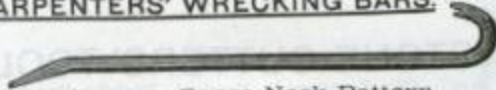
CROW BARS.



Forged Steel, Oil Finished; Round body, with Octagon and Squared Lower End; Hardened Point.

No. WP—Wedge Point.					No. PP—Pinch Point.					
Weight each, lbs.	10	12	14	16	Weight each, lbs.	10	12	14	16	18
Length, feet	4	4 1/2	4 1/2	4 3/4	Length, feet	4	4 1/2	4 1/2	4 3/4	5
Per lb.	\$0.12	.12	.12	.12	Per lb.	\$0.12	.12	.12	.12	.12
Weight each, lbs.	18	20	22	25	Weight each, lbs.	20	22	25	30	30
Length, feet	5	5 1/8	5 1/2	5 3/4	Length, feet	5 1/8	5 1/2	5 3/4	6	6
Per lb.	\$0.12	.12	.12	.12	Per lb.	\$0.12	.12	.12	.12	.12

CARPENTERS' WRECKING BARS.



Marshalltown; Goose Neck Pattern.

Forged from Octagon Tool Steel, 3/4 inch Diameter, Oil Finished; Hardened at Both Ends; Wedge or Chisel Point at Upper End; Goose-Neck Bend and Claw at Lower End.

<p>No. MG30—30 inches Long; Weight each about 4 1/4 lbs. \$2.00</p>	<p>No. MG24—24 inches Long; Weight each about 3 1/2 lbs. 1.80</p>
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RAILROAD TRACK TOOLS.

LINING BARS.

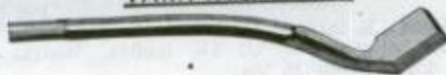


Forged Steel, Oiled Finish; Round Body, with Octagon and Squared Lower End; Tempered at Working End.

No. 30—Lining Bar; Diamond Point.

Weight each, lbs.	18	20
Length about, feet	5	5
Per lb.	\$0.08	.08

TAMPING BARS.



No. 31—Tamping Bar; with Flattened Rectangular Tamper.

Weight each, lbs.	14
Length about, feet	6
Per lb.	\$0.09

CLAW BARS.



Forged Steel, Oiled Finish; Round Body, with Squared Lower End, with Tempered Claw, and with Tempered Bent Pinch Point at Upper End.

<p>No. 26—GOOSE NECK PATTERN; Length about 5 ft.; Weight each about 29 lbs. \$0.10</p>	<p>No. 28—VERONA PATTERN, with Heel; Length about 5 ft.; Weight each about 29 lbs. \$0.10</p>
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RAIL FORKS.



Forged Steel, Japanned Finish; 1 1/4 inch Round Handle, with Two Flattened Prongs and Chisel Point on Other End.

No. 3—RAIL FORKS; Opening between Prongs 3/4 inches Wide, 3 1/4 inches Deep; Width at Prongs 3 inches; Length 33 inches; Weight each about 14 lbs. \$0.15

Packed Loose.

TRADE MARK:
E. C. SIMMONS' **KEEN KUTTER**
REGISTERED.

APRONS.



Showing
Rear View of
KEEN KUTTER
Apron, with
Adjustment.

KEEN KUTTER*—CARPENTERS'.

10 ounce Extra Select Duck, with Two Double Bottom Nail Pockets, One Rule Pocket, Two Triangular Top Pockets and Loop for Hammer; All Corners Riveted; Seams Double Sewed and Edges Bound with Brown Leather; Double Stitched Rounding Pockets; Adjustable by Suspender Device to various Heights.

	Per Dozen
No. K— KEEN KUTTER *; WHITE DUCK; Length 21 inches; Width 21 inches; Pocket Piece 8 inches Deep; Top Pocket 8 inches Wide; Weight per dozen about 6 lbs.	\$9.00
No. KB— KEEN KUTTER *; BROWN DUCK; Length 21 inches; Width 21 inches; Pocket Piece 8 inches Deep; Top Pockets 8 inches Wide; Weight per dozen about 6 lbs.	12.00

Packed Loose.

APRONS.



BLACKSMITHS'.

OAK SPLIT LEATHER; Made Complete with Brass Eyelets and Leather Strings.

	Per Dozen
No. 2—WITH BIB; 28x38 inches; Weight per dozen about 18 lbs.	\$20.00
No. 4—WITHOUT BIB; 26x32 inches; Weight per dozen about 15 lbs.	17.00

Packed Loose.



STANDARD-MECHANICS'.

7 ounce BROWN DUCK, with Two Nail or Tool Pockets and One Rule Pocket; Half Overall Pattern; Open Back.

	Per Dozen
No. A—STANDARD; Length 34 inches; Width of Bib 10½ inches; Greatest Width 28 inches; Pocket Piece 5x7 inches; Weight per dozen about 6 lbs.	\$7.50

PROSPECTING PICKS.



The Face and Point are Hardened,
Tempered and Thoroughly Tested.

KEEN KUTTER*

Highest Grade Crucible Steel, Adze Eye; Hardened Point and Octagon Poll; Gold Bronzed Body and Eye, Polished Point, Poll and Face; Extra Select Hickory Handle, FASTENED WITH OUR GRELLNER PATENT WEDGE.

KEEN KUTTER*; Handled Prospecting.

Nos.	K1	K2
Weight each, without Handle, ozs.	16	24
Length of Head, inches	7½	8
Length over all, inches	13	13
Weight per dozen about, lbs.	22	24
Per dozen	\$18.00	20.00

One-half Dozen in a Box.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

MT



PICKS.

KEEN KUTTER®

Soft Steel Body, Adze Eye, with Extra Full Weight Highest Grade Crucible Steel Points, Oil Tempered.



RAILROAD.

KEEN KUTTER®; Axe Finish; Painted Blue, Polished Bit and Point.

Nos.	KR45	KR56	KR67	KR78
Weights Assorted, lbs.	4 to 5	5 to 6	6 to 7	7 to 8
Length over all, inches	23	24	25	26
Weight per doz. about, lbs.	54	66	78	90
Per dozen	\$13.00	14.00	15.00	16.00

Two Dozen in a Case.



DRIFTING.

KEEN KUTTER®; Oil Finish.

Nos.	K02	K03	K04
Weight each, lbs.	4	4½	5
Length over all, inches	22	23	24
Weight per dozen about, lbs.	48	54	60
Per dozen	\$14.00	15.00	16.00

MATTOCKS.

Soft Steel Body, Adze Eye, with Extra Full Weight Highest Grade Crucible Steel Bits and Points, Polished and Tempered; Hatchet Finish, Painted Blue.



No. KJ.

No. KJ—KEEN KUTTER®, JUNIOR, LIGHT SHORT CUTTER; Weight each 4 lbs.; Width of Hoe 3 to 3½ inches; Width of Cutter 2¼ to 2½ inches; Length over all 13¼ to 14 inches; Weight per dozen about 54 lbs.\$16.00

No. KS—KEEN KUTTER®, SHORT CUTTER; Weight each 5½ lbs.; Width of Hoe 4 to 4½ inches; Width of Cutter 3¼ to 3½ inches; Length over all 15¼ to 15½ inches; Weight per dozen about 72 lbs. 16.50

No. KI—KEEN KUTTER®, LONG CUTTER; Weight each 6 lbs.; Width of Hoe 4 to 4½ inches; Width of Cutter 3¾ to 3½ inches; Length over all 17 to 17½ inches; Weight per dozen about 78 lbs. 17.00



Per Dozen

No. KP—KEEN KUTTER®, PICK; Weight each 6 lbs.; Width of Hoe 4 to 4½ inches; Length of Hoe 8¼ to 8½ inches; Length of Pick End 8¼ to 8½ inches; Weight per dozen about 78 lbs.\$17.00

Two Dozen in a Case.

HOES.

KEEN KUTTER®

Soft Steel Body, with Extra Full Weight Highest Grade Crucible Steel Bit, Polished and Tempered; Axe Finish; Painted Blue.



Nos. K0 to K2.

A Good Strong Tool for Hard Usage.



No. K1H.



No. K2H.

GRUB.

KEEN KUTTER®; Oval Adze Eye.

Nos.	K0	K1	K2
Width of Cutter, inches	3½	3¾	4
Length over all, inches	10½	10¾	11¼
Weight per dozen about, lbs.	36	42	48
Per dozen	\$12.50	13.00	13.50

HAZEL.

No. K1H—KEEN KUTTER®, ROUND ADZE EYE; Width of Cutter 6 inches; Length over all 8¾ inches; Weight per dozen about 42 lbs.\$15.00

PALMETTO.

No. KPH—KEEN KUTTER®, OVAL ADZE EYE; Width of Cutter 6½ inches; Length over all 13 inches; Weight per dozen about 70 lbs.\$16.00

Two Dozen in a Case.

- 77 -

BORING MACHINES.

Natural Finish and Varnished Hardwood Base and Uprights; Japanned Cast Iron Arch, Gears and Cranks; Steel Spindle, Chuck and Axle; Hardwood Grips; Frame Firmly Bolted; Steel Measuring Scale on Upright, graduated in $\frac{1}{4}$ inches up to 10 inches.

- No. 1—UPRIGHT, WITHOUT AUGERS;** Width of Base $7\frac{1}{4}$ inches; Length of Base 2 feet 5 inches; Height of Upright 2 feet; Length of Crank $8\frac{1}{2}$ inches \$5.00
- No. 1/S—Same as No. 1, WITH AUGERS,** one each 1, $1\frac{1}{2}$ and 2 inch Standard Boring Machine Augers 9.50
- One in a Crate.
Weight each about 25 lbs.



- No. 2—ANGULAR, WITHOUT AUGERS;** Cast Iron Swivel and Clamping Frame at Base of Upright; Adjustable for Angular Boring; Width of Base $7\frac{1}{4}$ inches; Length of Base 2 feet 5 inches; Height of Upright 2 feet; Length of Cranks $8\frac{1}{2}$ inches \$6.00
- No. 2/S—Same as No. 2, WITH AUGERS,** one each 1, $1\frac{1}{2}$ and 2 inch Standard Boring Machine Augers 10.50
- One in a Crate.
Weight each about 30 lbs.



Steel Spindle; Chuck and Axle; Hardwood Grips; Frame Firmly Bolted.

- No. 4—AJAX, ANGULAR, WITHOUT AUGERS;** Natural Finish and Varnished Hardwood Base and Upright; Japanned Cast Iron Arch, Gears and Cranks; Steel Measuring Scale on Upright, graduated in $\frac{1}{4}$ inches up to 10 inches; Cranks Adjustable from 6 inches to 12 inches in Length; Chuck holds Augers or Bits with Round or Bit Stock Shank; Cast Iron Swivel and Clamping Frame at Base of Upright, Adjustable for Angular Boring; Width of Base $7\frac{1}{2}$ inches; Length of Base 2 feet 4 inches; Height of Upright 21 inches... \$6.50
- No. 4/S—Same as No. 4, WITH AUGERS,** one each 1, $1\frac{1}{2}$ and 2 inch Standard Boring Machine Augers 11.00
- One in a Crate.
Weight each about 40 lbs.



- No. 5—BOSS, ANGULAR, WITHOUT AUGERS;** Natural Finish and Varnished Hardwood Base; Japanned Cast Iron Frame, Arms Gears and Cranks; Measuring Scale on Upright, graduated in $\frac{1}{2}$ inches up to 8 inches; the Gearing and Gear Frame reversible to change speed when boring with large or small Augers; Frame Adjustable for Angular Boring; Width of Base $10\frac{1}{2}$ inches; Length of Base 21 inches; Height of Upright 22 inches; Length of Cranks $8\frac{1}{2}$ inches..... \$6.00
- No. 5/S—Same as No. 5, WITH AUGERS,** one each 1, $1\frac{1}{2}$ and 2 inch Standard Boring Machine Augers 10.50
- One in a Crate.
Weight each about 35 lbs.



"THE RECOLLECTION OF QUALITY REMAINS LONG AFTER THE PRICE IS FORGOTTEN" - E. C. SIMMONS
TRADE MARK REGISTERED.

For Description, see Page 32.

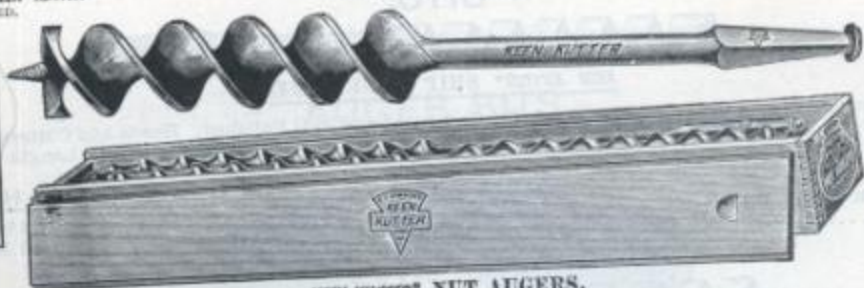
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TRADE MARK
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

AUGERS.

Full Polished from Tip to Tip and are subjected to the Most Rigid Inspection.



Each one is Accurately Turned on a Lathe, making them Uniformly Perfect. Head and Cutters are Sharpened by Hand Filing.

KEEN KUTTER® NUT AUGERS.

Forged from Highest Grade Crucible Steel, Oil Tempered, Full Polished; Heads and Cutters Sharpened and Finished by Hand.

Size, inches	1/4	5/16	3/8	7/8	1	1 1/4	1 1/2	1 3/4	2
Length of Twist, inches	6 1/4	6 1/2	6 3/4	6 1/2	7	7	7 1/2	8 1/2	9
Length over all, inches	15	15	15	15 1/2	15 1/2	16	17 1/4	18 1/2	19
Weight per dozen about, lbs.	5 1/2	6	8	9	10 1/4	13	20	26	28
Per dozen	\$8.25	9.50	10.75	12.00	13.25	17.00	22.00	26.00	30.00

1/2 to 1 1/4 inch, One-half Dozen; 1 1/2 to 2 inch, One-quarter Dozen in a Wood Box.



KEEN KUTTER® SPECIAL BORING MACHINE AUGERS.

Forged from Highest Grade Crucible Steel, Oil Tempered, Full Polished; Solid Center; Heads and Cutters Sharpened and Finished by Hand.

Size, inches	1	1 1/4	1 1/2	1 3/4	2
Length of Twist, inches	7 1/2	7 1/2	8	8	8
Length over all, inches	10 3/4	10 3/4	11 1/2	11 1/2	11 1/2
Weight per dozen about, lbs.	8	9	12	14	17
Per dozen	\$15.00	19.00	24.00	28.00	32.00

1 and 1 1/4 inch, One-half Dozen; 1 1/2, 1 3/4 and 2 inch, One-third Dozen in a Wood Box.



Made for Fast and Deep Boring. Will not Clog or Choke.

KEEN KUTTER® SHIP AUGERS, WITH SCREW.

Forged from Highest Grade Crucible Steel, Oil Tempered and Full Polished; Heads and Cutters SHARPENED AND FINISHED BY HAND; Single Thread on Screw; Length of Twist about 12 inches; Length over all about 18 inches.

Size, inches	6, 7, 8	9, 10	11, 12	13, 14	15, 16	17, 18	19, 20	21, 22	23, 24	25, 16
Weight per dozen about, lbs.	4 5 6	7 1/2 9 1/2	10 11 13 14 1/2	16 19	24 25	26 28	31 35	39 43	48	
Per dozen	\$7.50	9.00	10.50 12.00	13.50	15.00	16.50	18.00	21.00	24.00	



KEEN KUTTER® SHIP AUGERS, WITHOUT SCREW.

Forged from Highest Grade Crucible Steel, Oil Tempered and Full Polished; Heads and Cutters SHARPENED AND FINISHED BY HAND; Length of Twist about 12 inches; Length over all about 18 inches.

Size, inches	6, 7, 8	9, 10	11, 12	13, 14	15, 16	17, 18	19, 20	21, 22	23, 24	25, 16
Weight per dozen about, lbs.	4 5 6	7 1/2 9 1/2	10 11 13 14 1/2	16 19	24 25	26 28	31 35	39 43	48	
Per dozen	\$7.50	9.00	10.50 12.00	13.50	15.00	16.50	18.00	21.00	24.00	

6/16 to 20/16 inch, One-half Dozen; Over 20/16 inch One-quarter Dozen in a Wood Box.



BITS.



KEEN KUTTER® SHIP AUGER BITS.

Forged from Highest Grade Crucible Steel, Oil Tempered and Full Polished; Heads and Cutters SHARPENED AND FINISHED BY HAND; Single Thread on Screw; Length of Twist about 4½ inches; Length over all about 8½ inches.

Size, inches	4	5	6	7	8	9	10	11	12	13	14	15	16/16
Weight per dozen about, lbs.	1½	1¾	2	2¼	3	3½	4	4½	5½	6	6½	7½	9
Per dozen	\$6.00	6.00	6.00	6.00	6.00	7.50	7.50	9.00	9.00	10.50	10.50	12.00	12.00

One-half Dozen in a Wood Box.



KEEN KUTTER® SHIP CAR BITS.

Will not Clog or Choke when Boring.

Forged from Highest Grade Crucible Steel, Oil Tempered and Full Polished; Heads and Cutters SHARPENED AND FINISHED BY HAND; Single Thread on Screw; Length of Twist about 12 inches; Length over all about 18 inches.

Size, inches	4	5	6	7	8	9	10	11	12	13	14	15	16	17/16
Wt. per doz. about, lbs.	3½	4	4½	5	6	7½	9	10	11½	13	14	15	19	21
Per dozen	\$8.50	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	14.00	14.50	15.50



KEEN KUTTER® CAR BITS.

Standard of High Quality.

Forged from Highest Grade Crucible Steel, Oil Tempered and Full Polished; Heads and Cutters SHARPENED AND FINISHED BY HAND; Double Extension Lips and Cutters; Double Thread on Screw; Length of Twist about 12 inches; Length over all about 18 inches.

Size, inches	4	5	6	7	8	9	10	11	12	13	14	15	16	17/16
Wt. per doz. about, lbs.	3½	4	4½	5	6	7½	9	10	11½	13	14	15	19	21
Per dozen	\$9.00	9.00	9.00	10.00	11.25	12.50	13.75	15.00	16.25	17.50	19.00	20.50	22.00	24.00



KEEN KUTTER® SPECIAL CAR BITS.

Forged from Highest Grade Crucible Steel, Oil Tempered and Full Polished; Double Extension Lips and Cutters; Solid Center; Single Thread on Screw; Heads and Cutters SHARPENED AND FINISHED BY HAND; Length of Twist 12 inches; Length over all 18 inches.

Size, inches	4	5	6	7	8	9	10	11	12	13	14	15	16	17/16
Wt. per doz. about, lbs.	2	2½	3	3½	4	5	5½	6	6½	7½	8	9½	10	11½
Per dozen	\$9.00	9.00	9.00	10.00	11.25	12.50	13.75	15.00	16.25	17.50	19.00	20.50	22.00	24.00

One-half Dozen in a Wood Box.

AUGER BITS.



KEEN KUTTER® SINGLE TWIST. (Ford Pattern)

Forged from Highest Grade Crucible Steel, Oil Tempered, Full Polished; Single Lip and Cutter; Heads and Cutters SHARPENED AND FINISHED BY HAND; Length of Twist about 4½ inches; Length over all about 8½ inches; Suitable for Hard or Soft Wood.

No. KT—KEEN KUTTER® SINGLE TWIST.

Size, inches	4	5	6	7	8	9	10/16
Weight per dozen about, lbs.	1	1¼	1½	1¾	2	2¼	2½
Per dozen	\$4.00	4.00	4.00	4.50	5.00	5.50	6.00
Size, inches	11	12	13	14	15	16/16	
Weight per dozen about, lbs.	3	3½	3¾	3¾	4	4½	
Per dozen	\$7.00	7.00	8.00	8.00	9.00	9.00	

One-half Dozen in a Wood Box.

- 82A -

TRADE MARK:
E. C. SIMMONS' **KEEN KUTTER**
REGISTERED.

AUGER BITS
IN ROLLS.

KEEN KUTTER
TRADE MARK
REGISTERED

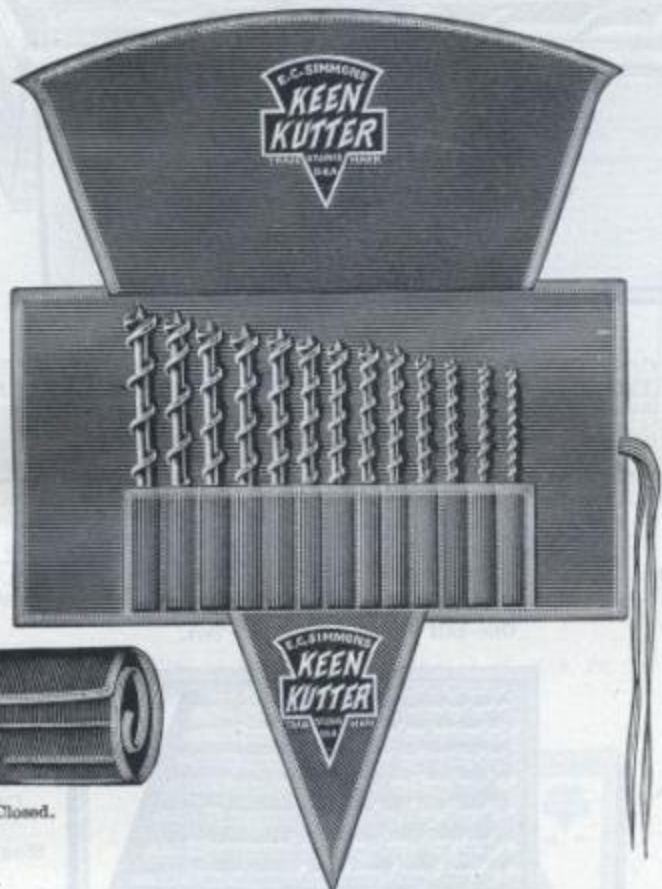
KEEN KUTTER
TRADE MARK
REGISTERED

KEEN KUTTER
TRADE MARK
REGISTERED

KEEN KUTTER
TRADE MARK
REGISTERED



Showing Roll Closed.



Showing Roll Open.

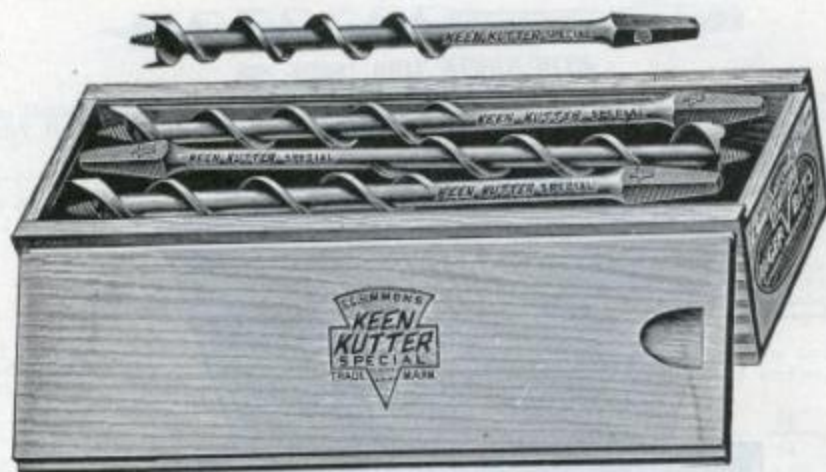
KEEN KUTTER SPECIAL*.

Dimensions of Roll, 11½ inches Long, 3½ inches in Diameter.

- | | |
|--|----------|
| | Per Roll |
| No. KSR9 —Heavy Black Duck Roll, with Red Binding: Complete with 9 KEEN KUTTER SPECIAL Auger Bits,
One Each 4, 5, 6, 7, 8, 10, 12, 14 and 16/16; Weight of Roll with Tools about 3 lbs..... | \$5.00 |
| No. KSR13 —Heavy Black Duck Roll, with Red Binding: Complete with 13 KEEN KUTTER SPECIAL Auger Bits,
One Each 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16/16; Weight of Roll with Tools about 4 lbs... 8.00 | 8.00 |
| Packed Loose. | |

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

AUGER BITS.



KEEN KUTTER
Bits are
Carefully
Trued on
a Lathe.
Making them
Uniformly
Accurate.

KEEN KUTTER* SPECIAL.

Forged from Highest Grade Crucible Steel, Oil Tempered, Full Polished; Double Extension Lips and Cutters; Solid Center; Single Thread on Screw; Heads and Cutters SHARPENED AND FINISHED BY HAND; Length of Twist about $4\frac{1}{2}$ inches; Length over all about $8\frac{1}{2}$ inches; Suitable for Hard or Soft Wood.

No. KS—KEEN KUTTER* SPECIAL.

Size, inches	3	4	5	6	7	8	9	10/16
Weight per dozen about, lbs.....	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$
Per dozen	\$4.50	4.00	4.00	4.00	4.50	5.00	5.50	6.00
Size, inches	11	12	13	14	15	16	18	20/16
Weight per dozen about, lbs.....	3	$3\frac{3}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4	$4\frac{1}{2}$	$5\frac{1}{2}$	$6\frac{1}{2}$
Per dozen	\$7.00	7.00	8.00	8.00	9.00	9.00	10.50	12.00

One-half Dozen in a Wood Box.

Forged from Highest Grade
Crucible Steel.

Oil Tempered.

Full Polished.

Solid Center.



No. KS/13.

KEEN KUTTER* SPECIAL; In Sets.

In Varnished Hardwood Boxes.

	Per Set
No. KS/9—IN SETS OF 20 $\frac{1}{2}$ QUARTERS, 9 BITS; One each 4, 5, 6, 7, 8, 10, 12, 14, 16/16; Weight per Set about $4\frac{1}{2}$ lbs.	\$4.40
No. KS/13—IN SETS OF 32 $\frac{1}{2}$ QUARTERS, 13 BITS; One each 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16/16; Weight per Set about 6 lbs.	7.00

One Set in a Varnished Hardwood Box.

Double Extension Lips and
Cutters.

Single Thread on Screw.

Heads and Cutters SHARP-
ENED AND FINISHED
BY HAND FILING.

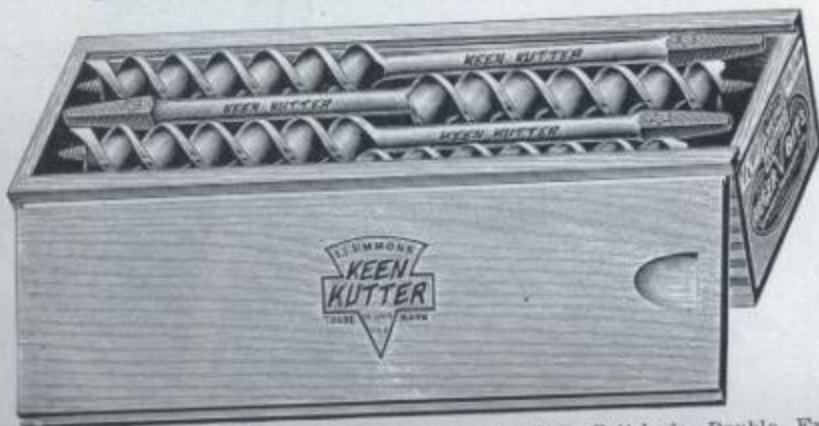
Suitable for Hard or Soft
Wood.

-84-

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

AUGER BITS.

KEEN KUTTER®



Are subjected to
the most rigid
inspection.

Each Bit is ac-
curately turned
on a lathe making
them uniformly
perfect.

Forged from Highest Grade Crucible Steel, Oil Tempered, Full Polished; Double Extension Lips and Cutters; Double Thread on Screw; Heads and Cutters SHARPENED AND FINISHED BY HAND; Length of Twist about 4½ inches; Length over all about 8½ inches.

	No. K—KEEN KUTTER.*															
Size, inches...	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18	20/16
Weight, per doz., about, lbs....	1	1½	1¾	1¾	2	2½	2¾	3	3½	3¾	4¾	5	5¾	5¾	6¾	7¾
Per dozen.....	\$4.50	4.00	4.00	4.00	4.50	5.00	5.50	6.00	7.00	7.00	8.00	8.00	9.00	9.00	10.50	12.00

One-half Dozen in a Wood Box.

Per Set

No. K/13—IN SETS OF 32½ QUARTERS; 13 BITS; one each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16/16; Weight per set about 3½ lbs. \$7.00

One Set in a Wood Box.

Double Extension Lips and
Cutters.
Heads and Cutters SHARP-
ENED AND FINISHED BY
HAND FILING.
Double Thread on Screw.



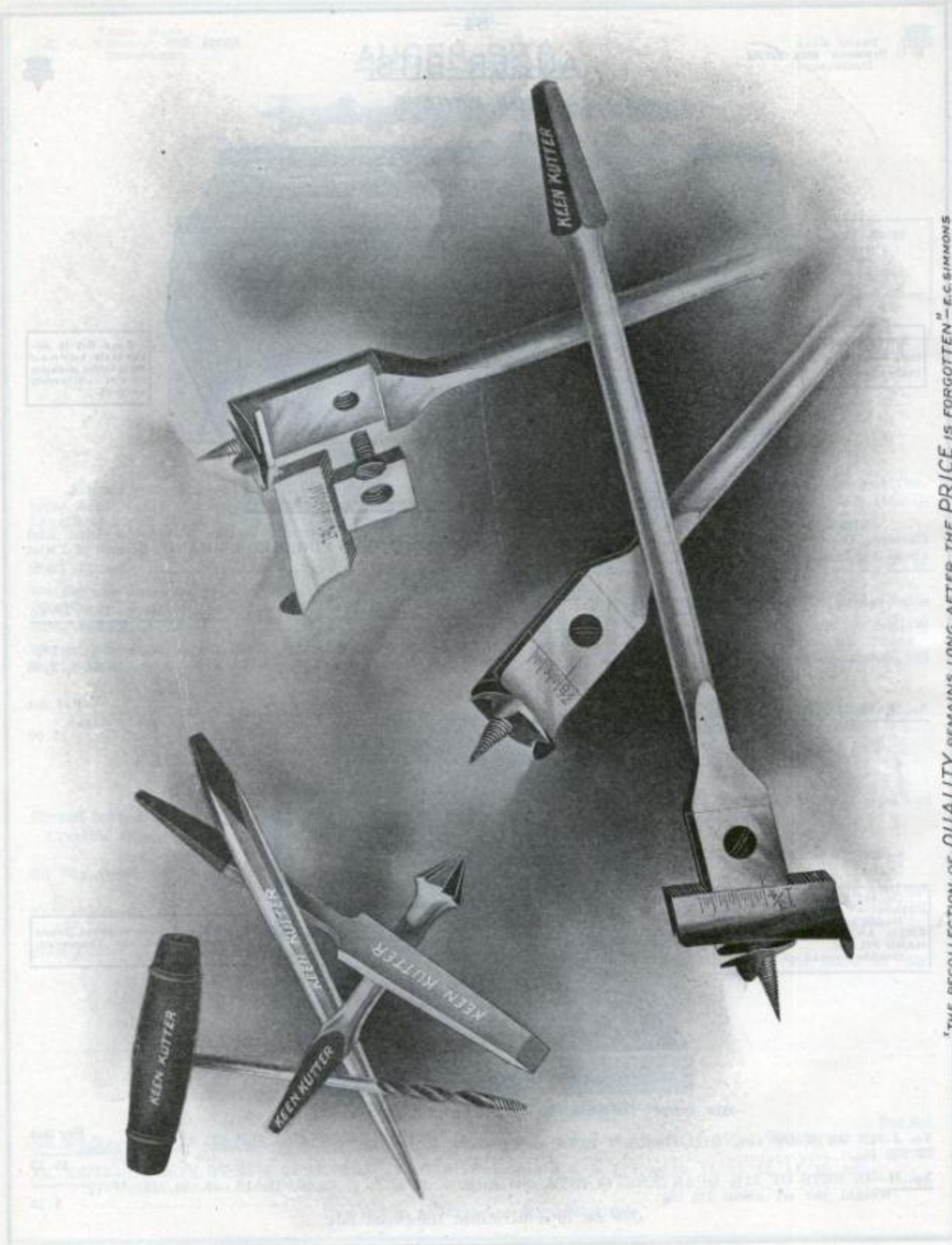
Forged from Highest Grade
Crucible Steel, Oil Tempered,
Full Polished.

KEEN KUTTER® in Sets, in Varnished Hardwood Boxes.

No. J—IN SETS OF 15¼ QUARTERS, 7 BITS, one each, 4, 5, 6, 8, 10, 12, 16/16; Weight per set about 2 lbs. \$5.25

No. H—IN SETS OF 32½ QUARTERS, 13 BITS, one each, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16/16; Weight per set about 3½ lbs. \$8.25

One Set in a Varnished Hardwood Box.



THE RECOLLECTION OF QUALITY REMAINS LONG AFTER THE PRICE IS FORGOTTENSM—E.C. SIMMONS
TRADE MARK REGISTERED.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.



AUGER BITS.



Forged from Tool Steel; Polished Shanks and Squares, with Blued Heads; Length over all ranges from 6 to 8 inches on the different sizes.

No. F—FORSTNER'S.

Size, inches	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16	
Weight per dozen about, lbs.	1 1/4	1 1/4	1 1/2	1 3/4	1 3/4	1 7/8	2	2 1/4	2 1/2	2 3/4	2 3/4	2 3/4	
Per dozen	\$7.80	7.80	8.40	8.40	9.00	9.00	9.60	9.60	10.20	10.20	10.80	12.00	
Size, inches	1	1 1/16	1 1/8	1 3/16	1 1/4	1 5/16	1 3/8	1 7/16	1 1/2	1 5/8	1 3/4	1 7/8	2
Weight per dozen about, lbs.	3	3 1/4	3 1/2	3 1/2	3 3/4	3 3/4	4	4	5	5 1/4	6 1/2	7 1/2	10 3/4
Per dozen	\$12.60	12.60	13.20	13.20	15.00	15.00	16.20	21.00	24.00	27.00	30.00	33.00	36.00

1/4 to 17/16 inch One Dozen in a Cardboard Box; 1 1/4 to 2 inch Packed Loose.

EXPANSIVE BITS.



Forged from Highest Grade Crucible Steel, Oil Tempered and Full Polished; Single Thread on Screw; Clamps and Cutters are Notched on Edges, which Prevents the Cutter from Slipping; Heads and Cutters SHARPENED AND FINISHED BY HAND.

No. KK/S—KEEN KUTTER*, SMALL SIZE: Complete with Cutters Nos. 1 and 2; Cuts from 1/4 to 1 1/4 inch Hole; Length over all 8 inches; Weight per dozen about 4 lbs. Per Dozen \$22.00

No. KK/L—KEEN KUTTER*, LARGE SIZE: Complete with Cutters Nos. 3 and 4; Cuts from 1/2 to 3 inch Hole; (No. 5 Cutter can be used with this Size only); Length over all 9 3/4 inches; Weight per dozen about 7 lbs. Per Dozen 26.00

One-twelfth Dozen in a Wood Box.

Extra Cutters for KEEN KUTTER* Expansive Bits.

Nos.	1	2	3	4	5
Cuts from, inches	1/4 to 1 1/4	1 1/4 to 1 3/4	1 3/4 to 1 3/4	1 3/4 to 3	3 to 4
Per dozen	\$3.00	3.75	5.25	6.00	12.00

One-half Dozen in a Cardboard Box; Weight per Dozen about 1/2 lb.

DOWEL BITS.



No. RJD—RUSSELL JENNINGS.

Solid Cast Steel, Polished; Length over all 8 inches.

Size, inches	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2
Weight per dozen about, lbs.	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
Per dozen	\$3.40	3.40	3.40	3.40	3.40	3.80	3.80	4.40	4.40	4.80
Size, inches	8	8 1/2	9	10	11	12	13	14	15	16 1/16
Weight per dozen about, lbs.	1	1	1	1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2	1 3/4
Per dozen	\$4.80	5.20	5.20	5.60	6.10	6.60	7.20	7.80	8.40	9.00

One Dozen in a Wood Box.

MT

MADE IN U.S.A.
 TRADE MARK
 REGISTERED

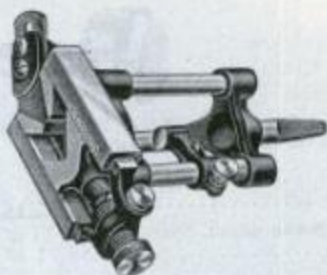


EXPANSIVE HOLLOW AUGERS.



No. 3—STEARNS' PATTERN; WITHOUT AUGER BITS; Japanned Cast Iron Frame; Nickel Plated Face and Adjustment Screws; Adjustable Depth Gauge; Tempered Tool Steel Adjustable Blade; Bit Stock Shank to fit Brace; Cuts from $\frac{1}{4}$ to $1\frac{1}{4}$ inches any length up to $3\frac{1}{4}$ inches; Length over all $6\frac{1}{2}$ inches; Weight per dozen about 16 lbs.\$60.00
 One-sixth Dozen in a Wood Box.

Per Dozen



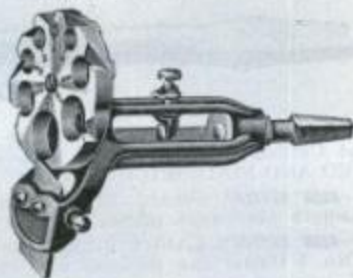
No. B1—WOOD'S UNIVERSAL; WITHOUT AUGER BITS; Made entirely of Steel; Hardened Screws; Two Tempered Tool Steel Adjustable Blades; Adjustable Depth Gauge; Bit Stock Shank to fit Brace; Cuts from $\frac{1}{4}$ to $1\frac{1}{4}$ inches any length up to 4 inches; Length over all $6\frac{1}{4}$ inches; Weight per dozen about 20 lbs\$54.00
 One in a Cardboard Box.

Per Dozen



No. IH—IVES'; WITHOUT AUGER BITS; Japanned, Cast Iron Frame; Polished Face; Steel Adjusting Screws; Adjustable Depth Gauge; Double Cutters; Tempered Tool Steel Adjustable Blades; Bit Stock Shank to fit Brace; Cuts from $\frac{1}{2}$ to $1\frac{1}{2}$ inches any length up to $3\frac{1}{4}$ inches; Length over all $5\frac{1}{4}$ inches; Weight per dozen about 16 lbs.\$51.00
 One-sixth Dozen in a Wood Box.

Per Dozen



No. 10—BONNEY'S; WITHOUT AUGER BITS; Japanned Cast Iron Frame; Nickel Plated Cast Iron Sizing Plate; Adjustable Depth Gauge; Tempered Tool Steel Adjustable Blade; Bit Stock Shank to fit Brace; Cuts from $\frac{3}{8}$ to 1 inch any Length up to $3\frac{1}{4}$ inches; Length over all $6\frac{1}{4}$ inches; Weight per dozen about 19 lbs.\$48.00
 One-sixth Dozen in a Cardboard Box.

Per Dozen

SPOKE TENONING MACHINES.



Felloe Boring Attachment.



No. P—PEACE'S; with Felloe Boring Attachment and Adjustable Hollow Auger; Japanned Cast Iron Frame, Chuck, Crank and Clamp; Polished Steel Spindle, Shank and Cutter Face; Tempered Tool Steel Blade; Steel Set Screws; Cuts Tenons from $\frac{1}{4}$ to $1\frac{1}{4}$ inches any Length to $3\frac{1}{4}$ inches; Length over all 20 inches; Weight each about 14 lbs.\$15.00
 One in a Wood Box.

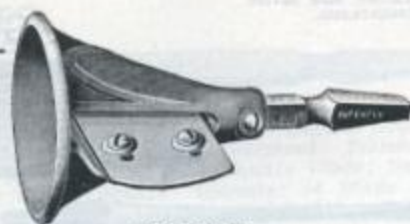
Each

POINTERS.



SPOKE.

No. 2—IVES'; Japanned Cast Iron Socket and Shank; Tempered Steel Adjustable Blade; Bit Stock Shank to fit Brace; Cuts Points from $\frac{3}{4}$ to $1\frac{1}{2}$ inches; Length over all $4\frac{1}{4}$ inches; Weight per dozen about 6 lbs.\$12.00



SPOKE.

No. 1—STEARNS' PATTERN; Japanned, Cast Iron Socket and Shank; Tempered Steel Adjustable Blade; Adjustable Bit Stock Shank to fit Brace; Cuts Points to $1\frac{1}{4}$ inches; Length over all, when Shank is extended, 6 inches; Weight per dozen about 8 lbs. \$9.00



SPOKE.

No. E1—WOOD'S; Japanned Cast Steel Socket and Shank; Tempered Steel Adjustable Blade; Bit Stock Shank to fit Brace; Cuts Points from $\frac{1}{4}$ to 2 inches; Length over all 4 inches; Weight per dozen about 6 lbs. \$9.00



DOWEL.

No. 1D—Japanned Cast Iron Socket and Shank; Tempered Steel Adjustable Blade; Bit Stock Shank to fit Brace; Cuts Points up to $\frac{3}{4}$ inch; Length over all $2\frac{1}{4}$ inches; Weight per dozen about $1\frac{1}{4}$ lbs \$4.50

One-half Dozen in a Cardboard Box.

DRILL BITS.



STYLE A—SYRACUSE BIT STOCK; FOR WOOD.

Forged from Tool Steel, Oil Tempered, Polished Twist and Shank, Natural Finish Square; Average Length of Twist 3 inches; Average Length over all 6 inches.

Size, inches	3	4	5	6	7	8	9	10/32
Weight per dozen about, lbs.	1.50	1.60	1.75	2.00	2.50	3.00	3.50	3.50
Per dozen	11	12	13	14	15	16	17	18/32
Size, inches	1 1/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	
Weight per dozen about, lbs.	4.00	4.00	4.50	4.50	5.00	5.00	5.50	5.50
Per dozen	3/32 to 12/32, One Dozen; 13/32 and Larger, One-half Dozen in a Wood Box.							



No. 16—STYLE A—SYRACUSE BIT STOCK; FOR WOOD; IN SETS; One each 3, 4, 5, 6, 7, 8, 9, 10 and 12/32 inches; In Polished Hardwood Box with Cover, 6 inches High, 2 1/4 inches in Diameter; Weight per set about 1 1/4 lbs. \$1.75

Per Set

No. 23—STYLE A—SYRACUSE BIT STOCK; FOR WOOD; IN SETS. One each 4, 5, 6, 7, 8, 10 and 12/32 inches; In Imitation Morocco Covered Wood Case with Cover 8 1/4 inches Long, 3 1/2 inches Wide, 3/4 inch Thick; Weight per set about 1 lb. \$1.75

Per Set



One Set in a Wood Case.

STYLE E—SYRACUSE; ELECTRICIANS' AND BELL HANGERS.

Forged from Tool Steel, Oil Tempered, Polished Twist and Shank, Natural Finish Square; Average Length of Twist 6 inches; Average Length over all 24 inches.

Size, inches	8	10	12	16	20/32
Weight per dozen about, lbs.	4	5	7	9	9 1/4
Per dozen	\$9.00 9.50 10.00 12.00 14.00				
	5/32 to 12/32, One Dozen; 16/32 and 20/32, One-half Dozen in a Wood Box.				

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

GIMLET BITS.

LK



Forged from Highest Grade Crucible Steel, Oil Tempered, Polished and Straw Color Finish Blade; Natural Finish Square; Average Length over all 5 inches.

KEEN KUTTER*; GERMAN PATTERN.

Inches	2	3	4	5	6	7/32
Per dozen	\$1.80	1.80	1.80	1.80	1.80	1.80
Inches	8	9	10	11	12/32	
Per dozen	\$1.80	2.00	2.00	2.25	2.25	

No. K5—KEEN KUTTER*; ONE DOZEN Assorted from 4 to 8/32.....\$1.80
No. K7—KEEN KUTTER*; ONE DOZEN Assorted from 6 to 12/32..... 2.00

KEEN KUTTER*; DOUBLE CUT.

Nos.	200	201	202	203	204	205	206
Inches	4	5	6	7	8	9	10/32
Per dozen	\$1.50	1.65	1.80	2.00	2.20	2.35	2.50

No. K06—KEEN KUTTER*; ONE DOZEN Assorted Nos. 200 to 206 \$2.10

One Dozen in a Wood Box. Weight per Dozen about 1 lb.

GIMLETS.



Perfectly Ground and have Clean, Sharp Cutting Edges; Fitted with Strong Rosewood Handles.



Cuts Showing Exact Sizes.



No. 250—KEEN KUTTER*, DOUBLE CUT; Blade Forged from Highest Grade Crucible Steel, Oil Tempered, Polished and Straw Colored Finish; Polished Rosewood Handle; Blade extends through Handle and Riveted at Top. Average Length of Handle 2 1/4 inches; Average Length of Blade 3 1/2 inches; Assorted Sizes, Nos. 1, 2, 3 and 4. Weight per gross about 8 lbs.....\$18.00

No. 300—KEEN KUTTER*, DIAMOND POINT; Blade Forged from Highest Grade Crucible Steel, Oil Tempered, Polished and Straw Colored Finish; Polished Rosewood Handle; Blade extends through Handle and Riveted at Top. Average Length of Handle 2 1/4 inches; Average Length of Blade 3 1/2 inches; Assorted Sizes, 3/16, 4/16, 5/16 inch; Weight per gross about 8 lbs.....\$20.00

One-twelfth Gross in a Wood Box.

SCREW DRIVER BITS.



No. 103—KEEN KUTTER BLUE BRAND*; Forged from Highest Grade Crucible Steel, Oil Tempered, Full Polished and Blued; Shoulder near Point, Strengthens Bit; Points, Assorted Widths, 5/16 to 1/2 inch; Average Length about 3 1/2 inches; Weight per dozen about 1 lb..... \$3.00



No. 102—KEEN KUTTER*; Forged from Highest Grade Crucible Steel, Oil Tempered; Polished Straw Color Blade and Shank; Natural Finish Square; Points, Assorted Widths, 5/16 to 1/2 inch; Average Length about 4 1/2 inches; Weight per dozen about 1 1/2 lbs. \$2.50

One Dozen in a Wood Box.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

REAMER BITS.



OCTAGON. Per Dozen

No. 117—KEEN KUTTER*; Forged from Highest Grade Crucible Steel, Oil Tempered; Polished and Straw Color Finish Octagon Blade; Natural Finish Square; Diameter of Blade at Shank $\frac{7}{16}$ inch; Length over all $6\frac{1}{4}$ inches; Weight per dozen about $1\frac{1}{2}$ lbs. \$3.00
One Dozen in a Wood Box.



SQUARE. Per Dozen

No. 115—KEEN KUTTER*; Forged from Highest Grade Crucible Steel, Oil Tempered; Polished and Straw Color Finish Square Blade; Natural Finish Square; Diameter of Blade at Shank $\frac{3}{8}$ inch; Length over all $5\frac{1}{4}$ inches; Weight per dozen about $1\frac{1}{2}$ lbs. \$3.00
One Dozen in a Wood Box.

COUNTERSINK BITS.



KEEN KUTTER*; FOR WOOD.

Drop Forged from Best Tool Steel, Tempered and Polished; DOUBLE LIP; Can be Re-sharpened from the Inside with a file; Length over all $4\frac{1}{2}$ inches.

No. K120—KEEN KUTTER*. $\frac{5}{8}$ INCH; Weight per dozen about 1 lb. \$3.20
No. K125—KEEN KUTTER*. $\frac{3}{4}$ INCH; Weight per dozen about $1\frac{1}{4}$ lbs. 3.60
One-half Dozen in a Cardboard Box.



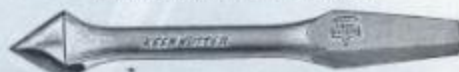
Per Dozen

No. 118—KEEN KUTTER*; GIMLET POINT; Forged from Highest Grade Crucible Steel, Oil Tempered; Polished Straw Color Blade; Natural Finish Square; Length over all about 5 inches; Assorted to Cut Holes for Screws from 1 to 2 inches; Average sizes; Weight per dozen about 1 lb. \$3.00
One Dozen in a Wood Box.



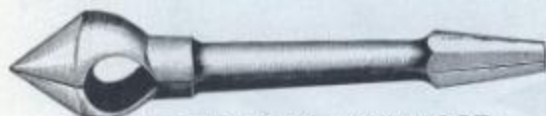
ROSE HEAD FOR METAL. Per Dozen

No. 113—KEEN KUTTER*; Forged from Highest Grade Crucible Steel, Oil Tempered; Polished Bit and Shank; Natural Finish Square; Length over all about 4 inches; Cuts Countersinks up to $\frac{1}{2}$ inch in Diameter; Weight per dozen about $1\frac{1}{4}$ lbs. \$3.25
One Dozen in a Wood Box.



SNAIL HEAD FOR WOOD. Per Dozen

No. 114—KEEN KUTTER*; Forged from Highest Grade Crucible Steel, Oil Tempered; Polished Bit and Shank; Natural Finish Square; Length over all about 4 inches; Cuts Countersinks up to $\frac{1}{2}$ inch in Diameter; Weight per dozen about $1\frac{1}{4}$ lbs. \$2.50



CLARK'S PATTERN, FOR WOOD. Per Dozen

No. C—DOUBLE CUT; Cuts $\frac{3}{8}$ inch Countersinks; Forged from Tool Steel, Oil Tempered and Polished; Can be Opened for Sharpening by removing a Screw; Length over all $4\frac{1}{2}$ inches; Weight per dozen about $2\frac{1}{4}$ lbs. \$4.00

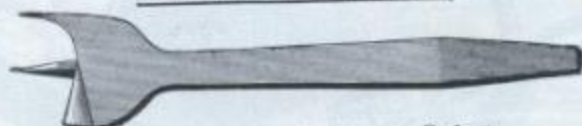


WHEELER PATENT, FOR WOOD. Per Dozen

Forged from Tool Steel, Oil Tempered; Polished Cutter and Shank; Natural Finish Square; Average Width of Bit about $\frac{1}{2}$ inch; Length over all 4 inches; Cuts Countersinks up to $\frac{1}{2}$ inch in Diameter.

No. 2—WITH DEPTH GAUGE; Weight per dozen about 2 lbs. \$4.50
No. 1—WITHOUT DEPTH GAUGE; Weight per dozen about $1\frac{1}{4}$ lbs. 3.00
One-half Dozen in a Cardboard Box.

CENTER BITS.



No. 25—Cast Steel Straw Color.

Size inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$
Weight per dozen about, lbs.	%.75	%.75	%.75	%.75	%.75	%.75	%.75	%.75	1.00
Per dozen	\$0.75								
Size inches		$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2
Weight per dozen about, lbs.		2	2	$2\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$
Per dozen		\$1.20	1.40	1.60	1.90	2.10	2.30	2.30	2.50

$\frac{1}{4}$ to $1\frac{1}{2}$ inches, One Dozen, $1\frac{1}{4}$ to 2 inches, One-half Dozen in a Cardboard Box.



THE RECOLLECTION OF QUALITY - REMAINS LONG - AFTER THE PRICE - IS FORGOTTEN - E.C. SIMMONS -
TRADE MARK REGISTERED

-94-

TRADE MARK
E. C. SIMMONS' KEEN KUTTER.
REGISTERED.

BIT BRACES.

Ball Bearings, Patent
Jaw-Retaining Chuck,
Covered Ratchet, Fine
Finish.



View of Head Showing
Ball Bearings.



View of Head Showing
Ball Bearings.

KEEN KUTTER®, NICKEL PLATED.

Ball Bearing Head; Highest Grade Bent Steel Shank; Full Nickel Plated Finish; Patent Jaw-retaining Chuck; Case Hardened Alligator Pattern Toothed Separate Jaws, 2½ inches Long; Select Genuine Ebony Head and Handle; Head Mounted on Nickel Plated Steel Cap.

PLAIN.

Nox.	KP6	KPS	KP10	KP12
Sweep, inches	6	8	10	12
Diameter of Shank, inches	5/8	7/16	7/16	3/4
Length over all, inches	13½	14	14¾	14¾
Weight per dozen about, lbs.	20	26	29	32
Per dozen	\$26.00	32.00	38.00	44.00

One-fourth Dozen in a Cardboard Box.

RATCHET.

With Ratchet Covered by Nickel Plated Shield; Steel Anti-Friction Washer Between Chuck and Frame.

Nox.	KR6	KR8	KR10	KR12	KR14	KR16
Sweep, in.	6	8	10	12	14	16
Diam. of Shank, in.	5/8	7/16	7/16	3/4	3/4	3/4
Length over all, in.	12¾	13½	14	15	15¾	15¾
Weight per doz. lbs.	27	30	34	36	38	45
Per dozen	\$38.00	44.00	50.00	56.00	62.00	68.00

For Extra Jaws for "KEEN KUTTER" and "KEEN KUTTER Blue Brand" Bit and Corner Braces, See No. TD, Page 35.



KEEN KUTTER®, NICKEL PLATED, WITH BALL BEARING CHUCK.

Ball Bearing Head and Patent Ball Bearing Chuck; Highest Grade Bent Steel Shank; Full Nickel Plated Finish; Case Hardened Alligator Pattern Toothed Jaws 2½ inches Long, Joined by Steel Spring; Select Genuine Ebony Head and Handle; Head Mounted on Nickel Plated Steel Cap; Ratchet covered by Nickel Plated Shield.

RATCHET BIT.

Nox.	KBC10	KBC12	KBC14
Sweep, inches	10	12	14
Diameter Shank, inches	5/8	9/16	9/16
Length over all, inches	14	15	15½
Weight per dozen about, lbs.	36	38	40
Per dozen	\$60.00	65.00	72.00

One-fourth Dozen in a Cardboard Box.

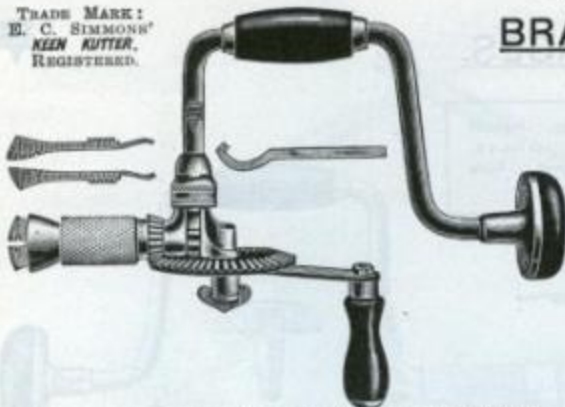


Cut Showing Ball Bearing Chuck No. KBC10.

The Chuck or Bit-holding Device (see Illustration) consists principally of a Socket, Sleeve, Binder, Ball-Retaining Ring and the Hardened Steel Jaws; the Ratchet is formed at one end of the Socket, the outer end made heavier than usual to resist the extra strain caused by the Ball Bearing at the end of the Sleeve, which enables the operator to exert greater power in closing the Jaws onto a bit or drill. These Jaws are specially formed to take round Shank Drills from 1/16 to about 3/4 inch, as well as square Shank Bits. At the end of the Sleeve is a Steel Washer, next to which are shown the Balls, which, with the Recessed Ring, threaded to prevent any possibility of Shifting laterally, and kept from turning by a Small Screw, forms the Ball Bearing Sleeve device. Should it become necessary at any time to renew the Jaws, first remove the Socket from the Ratchet Frame; take out the Small Screw in the Recessed Ball-Retaining Ring, which can then be unscrewed from the Socket; care being taken not to lose the balls therein. This will leave the Sleeve free to be taken from the Binder and Socket, when both Jaws and Binder may be removed.

BRACES.

TRADE MARK!
E. C. SIMMONS'
KEEN KUTTER,
REGISTERED.



KEEN KUTTER*, NICKEL PLATED, RATCHET DRILL.

Ball Bearing Head Mounted on Steel Cap; Highest Grade Bent Steel Shank, Full Nickel Plated Finish; Select Genuine Ebony Head and Handles; Ratchet Covered with Steel Shield; Cast Gear Wheel, 4 inches in Diameter, with Deep Cut Teeth; Crank 4 3/4 inches Long.

Per Dozen

No. KD10—KEEN KUTTER*; Nickel Plated; Sweep 10 inches; Diameter of Shank 7/16 inch; Length over all 14 1/4 inches; Furnished with a Patent Sleeve Wrench to be used for Tightening or Loosening the Jaws; to utilize as a regular Ratchet Brace detach the Gear Wheel; Weight per dozen about 62 lbs.....\$50.00

One-twelfth Dozen in a Cardboard Box.

EXTRA JAWS.

Per Pair

No. TD—ALLIGATOR PATTERN; Forged Steel, Case Hardened, Toothed Separate Jaws; Nickel Plated Finish, with Springs, for KEEN KUTTER Ratchet Drill Braces, KEEN KUTTER and KEEN KUTTER Blue Brand Bit and Corner Braces; Weight per pair about 1 1/2 ozs..... \$0.75



No. K300.

KEEN KUTTER*, NICKEL PLATED, BEVEL GEAR CORNER.

Plain Bearing; Highest Grade Bent Steel Shank, Nickel Plated Finish, with Nickel Plated Patent Jaw-Retaining Chuck; Case Hardened Alligator Pattern Toothed Separate Jaws 2 1/2 inches Long; Head Mounted on Nickel Plated Steel Cap; Select Genuine Ebony Head and Handles; Concealed, Wrought Steel, Beveled, Anti-Friction Gears.



NOTE.

No. K400—Corner Ratchets are Designed for use in Cramped Positions not Admitting of Ordinary Braces.

Between the Head and Ratchet Frame, is placed a Knurled Collar marked "A" on Cut; the use of this is to assist in starting a bit previous to its entering the wood sufficiently so that the friction thereof shall hold it from turning back while the handle is turned to take a fresh hold on the Ratchet.

KEEN KUTTER*, NICKEL PLATED, RATCHET CORNER.

Plain Bearing; Highest Grade Steel Shank; Nickel Plated Finish, with Patent Jaw-Retaining Chuck; Case Hardened, Alligator Pattern Toothed Separate Jaws 2 1/2 inches Long; Select Genuine Ebony Head and Handle 5 1/2 inches Long, with Nickel Plated Ferrule; Ratchet Covered with Steel Shield; Knurled Steel Starting Washer; Steel Anti-Friction Washer between Chuck and Frame.

Per Dozen

No. K400—KEEN KUTTER*; Nickel Plated; Height over all 7 3/4 inches; Length over all 9 1/4 inches; Weight per dozen about 28 lbs.....\$36.00

One-Sixth Dozen in a Cardboard Box.



Nos.	K200	K300
Sweep, inches	8	10
Diameter of Shank, inches	7/16	7/16
Width, inches	10 1/4	11 1/4
Length over all, inches	18 1/2	18 1/2
Weight per dozen about, lbs.	48	52
Per dozen	\$66.00	72.00

One-sixth Dozen in a Cardboard Box.

TRADE MARK:
"SURE GRIP"
REGISTERED.

MT



No. N8.

BIT BRACES.

SURE GRIP*.



No. N110.

Special Bent Steel, Polished Shank; Regular Pattern Chuck, with Malleable Iron Alligator Pattern Jaws 2 1/2 inches Long, Joined by a Pin; Polished Maplewood Head and Handle; Brass Ferrule on Head.

PLAIN BIT.

Nos.	N8	N10	N12
Sweep, inches	8	10	12
Diameter of Shank, inches	3/8	3/8	7/16
Length over all, inches	13 3/4	14	14 3/4
Weight, per dozen about, lbs.	17	18 1/2	22
Per dozen	\$12.00	13.00	14.00

RATCHET BIT.

With Ratchet Covered by Polished Shield.

Nos.	N108	N110	N112
Sweep, inches	8	10	12
Diameter of Shank, inches	3/8	7/16	7/16
Length over all, inches	13	13 3/4	14 1/2
Weight per dozen about, lbs.	23	25	28
Per dozen	\$24.00	26.00	28.00



No. N208.

SURE GRIP*.



No. N308.

Special Bent Steel Shank; Regular Pattern Chuck, with Malleable Iron Alligator Pattern Jaws 2 1/2 inches Long, Joined by a Pin.

PLAIN BIT.

Polished; with Ebonized Hardwood Head and Handle.

Nos.	N208	N210	N212
Sweep, inches	8	10	12
Diameter of Shank, inches	3/8	7/16	7/16
Length over all, inches	13	13 3/4	14 3/4
Weight per dozen about, lbs.	19	21	24
Per dozen	\$14.00	15.00	17.00

RATCHET BIT.

Polished; with Ebonized Hardwood Head and Handle; Ratchet Covered by Polished Shield.

Nos.	N308	N310	N312
Sweep, inches	8	10	12
Diameter of Shank, inches	3/8	7/16	7/16
Length over all, inches	12 3/4	13 3/4	13 3/4
Weight per dozen about, lbs.	24	26	28
Per dozen	\$28.00	30.00	34.00

One-half Dozen in a Cardboard Box.

EXTRA JAWS.

No. M—Malleable Iron; Alligator Pattern Jaws 2 1/2 inches Long; For Sure Grip Plain and Ratchet Bit Braces; Weight per pair about 1 1/2 ozs. Per Pair Packed Loose. \$0.50



SPOFFORD.

Nickel Plated Bent Steel Shank; Malleable Iron Chuck; Cocobolo Head and Handle.

Nos.	107	108	110	112	114
Sweep, inches	7	8	10	12	14
Weight per dozen about, lbs.	16 1/2	19	23	28	34
Per dozen	\$21.00	24.00	27.00	30.00	33.00

One-half Dozen in a Cardboard Box.

TRADE MARKS:
E. C. SIMMONS' **KEEN KUTTER**;
CHIPAWAY,
REGISTERED.

CHAIN DRILLING ATTACHMENTS.



Inter-
change-
able Split
Collets.



For Round Shank Drills.

For Square Shank Drills.

The Automatic Feed on the **KEEN KUTTER** Drilling Attachment is Obtained by two Encased Cut Steel Differential Gear Wheels, Communicating the Movement of the Shank and Chuck to the Threaded Body which Feeds the Chain-Yoke. Feed is Regulated by an Adjustable Knurled Head Steel Spring Plunger and Nickel Plated Washer.

By Disengaging the Plunger, the Automatic Feed Ceases and the Yoke may be Quickly Screwed by Hand back to the Starting Position near the Chuck.

KEEN KUTTER*

Each

No. **K**—**KEEN KUTTER***: Automatic Differential Geared Feed; Highest Grade Steel Shank; Deep Cut Close-Threaded Body and Patent Chuck. Chuck and Shank Nickel Plated; Japanned Malleable Iron Feed-Gear Casing and Yoke, with 30 inch Heavy American Pattern Bright Steel Chain; Chuck has Two Collets; One to Accommodate 1/2 inch Round Shank Drills; The Other to Hold Square Shank or Bl. Stock Drills; Length over all 9 inches; Weight per dozen about 32 lbs..... \$5.00
One-twelfth Dozen in a Wood Box.

STRAIGHT BIT EXTENSIONS.



KEEN KUTTER*

Polished Steel Extension Rod, 5/8 inch in Diameter, with Squared Ends; Knurled Chuck 5/8 inch in Diameter; Polished Steel Jaws, 2 1/2 inches Long. Will follow a Bit 3/4 inch or over in diameter through the wood.

Nos.	320	324	330
Length over all, inches.....	20	24	30
Weight per dozen about, lbs.....	8 1/2	10 1/2	13
Per dozen	\$21.00	24.00	28.00

One-half Dozen in a Cardboard Box.

ANGULAR BORERS.



CHIPAWAY*

Per Dozen

No. **CB**—**CHIPAWAY***: JAPANNED MALLEABLE IRON Frame 6 1/2 inches Long; With Ball and Socket Joint; Polished Steel Square End Shank; Nickel Plated Chuck; Forged Blued Steel Separate Plain Jaws 2 1/2 inches Long. Joined by Wire; Length over all 10 1/2 inches; Weight per dozen about 18 lbs..... \$27.00

One-half Dozen in a Cardboard Box.

AUTOMATIC HAND DRILLS.



KEEN KUTTER*

Nickel Plated Hollow Brass Head and Cylinder; Spirally Fluted Brass Shank; Steel Chuck, with Four Blued Steel Separate Jaws; Complete with Highest Grade Crucible Steel Fluted Drill Points. One each 11/64, 3/32, 9/64, 1/4, 7/64, 3/32, 5/64, 1/16 inch, Contained in Separate Marked Compartments in the Head.

Per Dozen

No. **K3**—**KEEN KUTTER***: Length over all 9 1/2 inches; Weight per dozen about 8 lbs..... \$30.00

One-twelfth Dozen in a Cardboard Box.

EXTRA DRILL POINTS.

Blued Steel, Fluted; 2 inches Long.

Per Set

No. **IP**—**KEEN KUTTER***: IN SETS; Consisting of One each Nos. 1, 2, 3, 4, 5, 6, 7 and 8. Packed in an Envelope; Suitable for Nos. K3 and K4 Hand Drills; Weight per set about 2 ozs. \$1.00

No. **IPS**—**KEEN KUTTER***: IN STRAIGHT SIZES OF Nos. 1, 2, 3, 4, 5, 6, 7 and 8; Suitable for Nos. K3 and K4 Hand Drills; One Dozen in an Envelope; Weight per dozen about 2 ozs. . . 1.50

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

HAND DRILLS.

WITH GEAR WHEELS.

Japanned Malleable Iron Frame; Nickel Plated Hollow Brass Handle; Nickel Plated Steel Chuck, with Triple Hardened Steel Jaws; Holds either Fluted Drill Points, or any Twist Drill from $\frac{5}{32}$ to No. 8. Gear Wheels have Deep-cut, Dull-Nickel Teeth; Large Gear Wheel $3\frac{1}{4}$ inches in Diameter, with Nickel Plated Steel Crank and Polished Rosewood Handle; Small Gear Wheel $1\frac{1}{16}$ inch in Diameter.



KEEN KUTTER*

Per Dozen

No. K4—KEEN KUTTER*; Burnished Nickel Plated Magazine Handle, with Revolving Cap; COMPLETE WITH EIGHT CRUCIBLE STEEL FLUTED DRILL POINTS, Assorted Sizes; Each Drill Point in a Separate Indexed Compartment; Main Gear Wheel Painted Red; Length over all $10\frac{1}{4}$ inches; Weight per dozen about 24 lbs. \$26.00

One-twelfth Dozen in a Cardboard Box; About Six Dozen in a Case.

BREAST DRILLS.



Finest Tool of Its Kind
on the Market.



KEEN KUTTER BLUE BRAND*, BALL BEARING.

Fire Blue $1\frac{1}{16}$ inch Highest Grade Steel Shanks, with Level Inserted; Blue Enameled Adjustable Cast Breast Piece, Polished Face, $5 \times 2\frac{1}{4}$ inches; Cast Driving Gear; Steel Ball Bearings; Length over all 17 inches; Polished Deep Cut Teeth on Gear Wheels; Patent Nickel Plated Jaw-retaining Chuck $3\frac{3}{8}$ inches Long, $1\frac{1}{16}$ inches in Diameter, with Separate Toothed Alligator Pattern Forged Steel Jaws, for Square or Round Shank Drills; Nickel Plated Crank 6 inches Long, with Cocobolo Grips, Adjustable to Three Different Sweeps (8, 10 and 12 inches); Patent Cog-locking Catch.

Each

No. B0—KEEN KUTTER BLUE BRAND*, CHANGEABLE GEAR; Large Gear Wheel 5 inches in Diameter; Small Gear Wheel $2\frac{3}{8}$ inches in Diameter; Weight each about 5 lbs. \$4.75

Each

No. B3—KEEN KUTTER BLUE BRAND*, DOUBLE BEARING STATIONARY GEAR; Large Gear Wheel 5 inches in Diameter; Small Gears $1\frac{1}{2}$ inches in Diameter; Weight each about $5\frac{1}{2}$ lbs. \$5.25



No. BT000.



No. BR000.

KEEN KUTTER BLUE BRAND*.

Changeable Gear, with Hardened Steel Bearings; Maroon Enameled Malleable Iron Frame, with $2\frac{1}{4}$ inch Iron Frame Level Screwed on, and with Blue Enameled Adjustable Cast Breast Piece $5 \times 2\frac{1}{4}$ inches; Blue Enameled Cast Driving Gear; Nickel Plated Chuck and Crank; Polished Deep Cut Teeth on Gear Wheels; Large Gear Wheel 5 inches in Diameter, Small Gear Wheel $2\frac{3}{8}$ inches in Diameter; Crank $5\frac{1}{2}$ inches Long, with Cocobolo Grips; 10 inch Sweep; Length over all $16\frac{1}{2}$ inches.

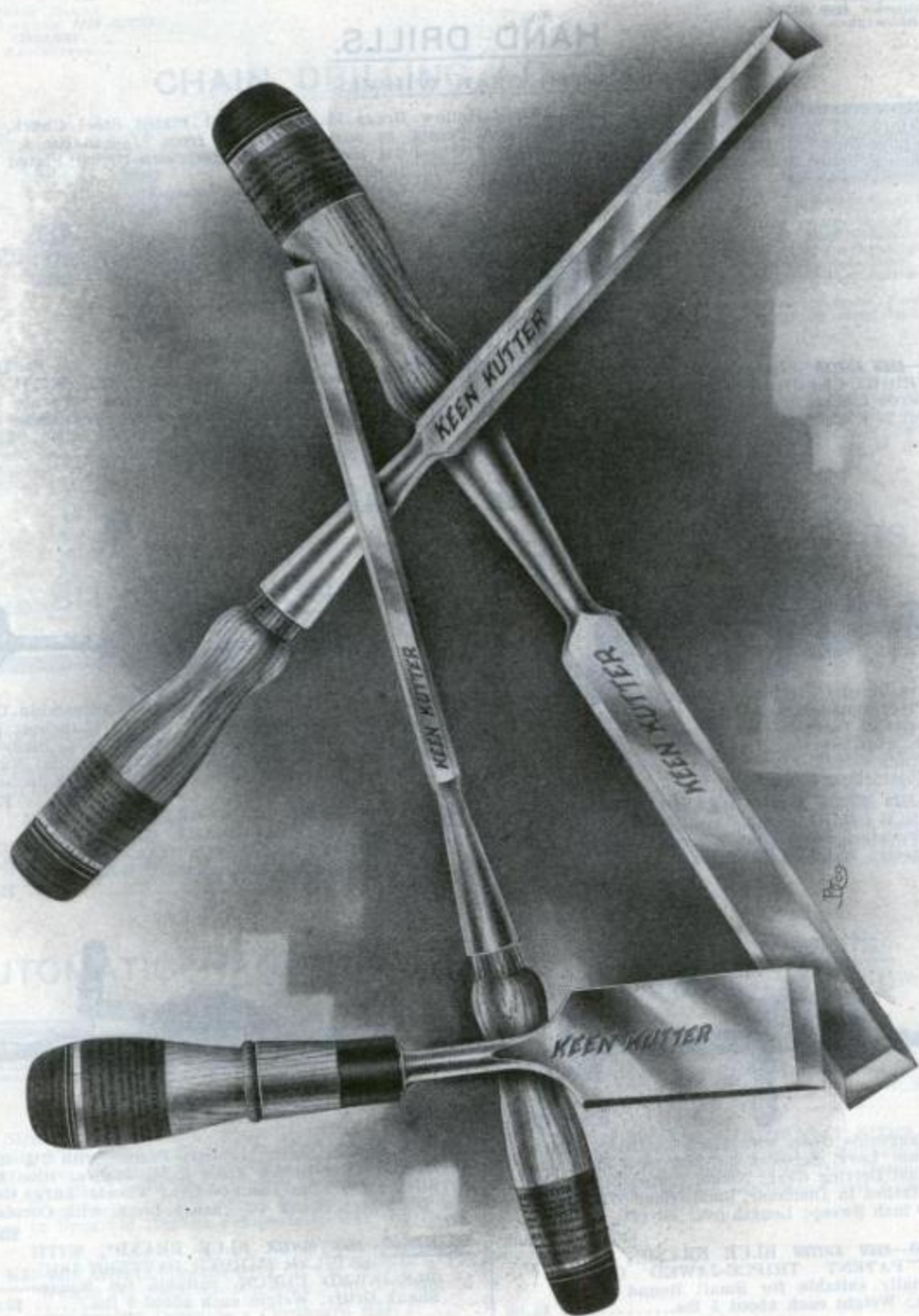
Each

No. BT000—KEEN KUTTER BLUE BRAND*, WITH PATENT TRIPLE-JAWED CHUCK especially suitable for Small Round Shank Drills; Weight each about 5 lbs. \$5.00

Each

No. BR000—KEEN KUTTER BLUE BRAND*, WITH REGULAR BARBER PATTERN DOUBLE-JAWED CHUCK, suitable for Square Shank Drills; Weight each about 6 lbs. \$5.00

One in a Cardboard Box.



"THE RECOLLECTION OF QUALITY REMAINS LONG AFTER THE PRICE IS FORGOTTEN" - E.C. SIMMONS
TRADE MARK REGISTERED.

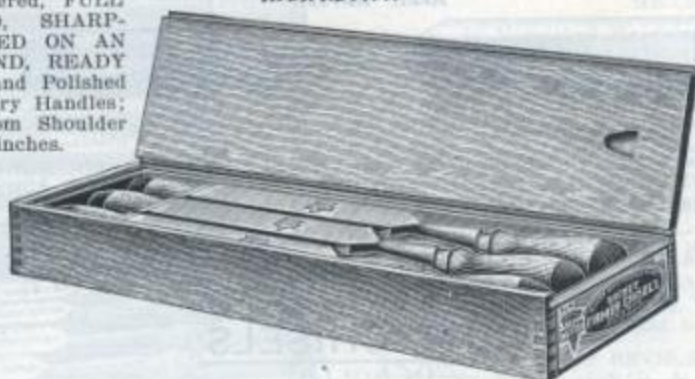
-126-

TRADE MARK
E. C. SIMMONS' KEEN KUTTER.
REGISTERED

CHISELS.

KEEN KUTTER®.

Forged from Highest Grade Crucible-Steel, Oil Tempered, FULL MIRROR POLISHED, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE; Selected and Polished Leather Capped Hickory Handles; Length of Blades, from Shoulder to Cutting Edge, 6½ inches.



Highest Grade Steel.
Perfectly Tempered.
Leather Capped Handles.

KEEN KUTTER® CHISELS PACKED IN WOOD BOXES.

Mirror Polished Blade.



Ready for Use.

No. A—SOCKET FIRMER, PLAIN BACK.

Size, inches.....	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Weight per dozen about, lbs.....	4	4 1/4	4 1/2	5	6	7	8	9	11	12	15	18
Per dozen	\$12.50	12.50	12.50	13.50	14.50	14.50	15.50	16.50	18.00	19.00	20.00	21.00

One-half Dozen in a Wood Box.

No. A/8—SET OF 8 PLAIN BACK CHISELS No. A, one each, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4, and 2 inch;	Weight per set about 7 lbs.....	\$11.25
No. A/12—SET OF 12 PLAIN BACK CHISELS No. A, one each, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4, and 2 inch; Weight per set about 9 lbs.....		16.00

One Set in a Wood Box.



No. B—SOCKET FIRMER, BEVELED EDGE.

Size, inches.....	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Weight per dozen about, lbs.....	4	4 1/4	4 1/2	5	6	7	8	9	11	12	15	18
Per dozen	\$16.00	16.00	16.00	17.00	18.00	18.00	19.00	20.00	21.50	22.50	23.50	24.50

One-half Dozen in a Wood Box.

No. B/8—SET OF 8 BEVELED EDGE CHISELS No. B, one each, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4, and 2 inch;	Weight per set about 7 lbs.....	\$13.50
No. B/12—SET OF 12 BEVELED EDGE CHISELS No. B, one each, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4, and 2 inch; Weight per set about 9 lbs.....		19.50

One Set in a Wood Box.

SLICKS.

KEEN KUTTER®.

Forged from Highest Grade Crucible Steel, Oil Tempered, FULL MIRROR POLISHED, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE; ENTIRE BLADE AND SOCKET MADE FROM ONE PIECE OF STEEL; Selected and Polished Hickory Handles; Length of Blade, from Shoulder to Cutting Edge 11 inches.



No. J—PLAIN BACK.

No. K—BEVELED EDGE.

Size, inches	3	3 1/2	Size, inches	3	3 1/2
Weight per dozen about, lbs.....	55	60	Weight per dozen about, lbs.....	55	60
Per dozen	\$50.00	55.00	Per dozen	\$60.00	65.00

One-sixth Dozen in a Wood Box.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER.
REGISTERED.

CHISELS.

KEEN KUTTER*



No. KTB—TANGED FIRMER, BEVELED EDGE.

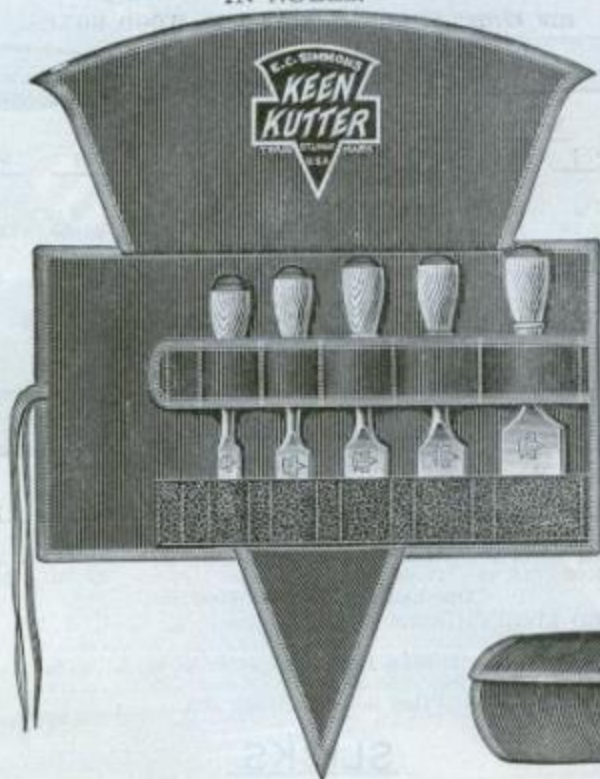
Forged from Highest Grade Crucible Steel, Oil Tempered. FULL MIRROR POLISHED, SHARPENED AND WHETTED ON AN OIL STONE BY HAND. READY FOR USE: Selected Fancy Turned Hickory Handle; Brass Ferrule; Length of Blades, from Shoulder to Cutting Edge, $4\frac{3}{8}$ inches.

Size, inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Weight per doz, about, lbs.	3	3	$3\frac{1}{4}$	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	8	10	11	12
Per dozen	\$4.50	4.50	4.75	5.25	5.50	5.75	6.00	6.50	7.75	8.50	10.00	11.50

One-half Dozen in a Wood Box.

BUTT CHISELS

IN ROLLS.



Showing Roll Open.

Showing Roll Closed.

KEEN KUTTER* TANGED.

Dimensions of Roll, 10 inches Long, 4 inches in Diameter.

	Per Roll
No. E5—Heavy Black Duck Roll, with Red Binding; Complete with 5 KEEN KUTTER PLAIN BACK Butt Chisels, One Each $\frac{1}{2}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 inch.....	\$4.50
No. F5—Heavy Black Duck Roll, with Red Binding; Complete with 5 KEEN KUTTER BEVELED EDGE Butt Chisels, One Each $\frac{1}{2}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$ and 2 inch.....	5.00

Weight of Roll with Tools about 2 lbs.

Packed Loose.

-127-

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

CHISELS.

KEEN KUTTER®



Set No. AA.

KEEN KUTTER® SOCKET FIRMER CHISELS, IN SETS.

In Varnished Hardwood, Hinged Boxes.

Forged from Highest Grade Crucible Steel, Oil Tempered, FULL MIRROR POLISHED, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE; Selected and Polished Leather Capped Hickory Handles; Length of Blade, from Shoulder to Cutting Edge, 6½ inches.

Per Set

No. 6/A—SET OF 6 PLAIN BACK CHISELS No. A;
one each, ¼, ½, ¾, 1, 1½ and 2 inch;
Weight per Set about 7 lbs. \$ 8.50

No. AA—SET OF 12 PLAIN BACK CHISELS No. A;
one each, ¼, ½, ¾, ¾, ¾, ¾, ¾, 1, 1¼, 1½,
1¾ and 2 inch; Weight per Set about 11 lbs. 16.75

No. BB—SET OF 12 BEVELED EDGE CHISELS
No. B; one each, ¼, ½, ¾, ¾, ¾, ¾, ¾, 1,
1¼, 1½, 1¾ and 2 inch; Weight per Set about
11 lbs. 20.25

One Set in a Hardwood Box.



KEEN KUTTER® SOCKET FRAMING; Beveled Edge.

Forged from Highest Grade Crucible Steel, Oil Tempered, FULL MIRROR POLISHED, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE; Entire Blade and Socket made from One Piece of Steel; Selected and Polished Hickory Handles, with Iron Ferrules at Top; Length of Blade, from Shoulder to Cutting Edge, 8 inches.

Size, inches	¼	½	¾	¾	¾	¾	1	1¼	1½	1¾	2
Weight per dozen about, lbs.	10	10½	11	11½	12	14	16	18½	21	26	30
Per dozen	\$15.00	15.00	15.00	17.00	17.00	18.00	18.00	20.00	22.00	24.00	26.00

One-half Dozen in a Wood Box.



KEEN KUTTER® SOCKET CORNER.

Forged from Highest Grade Crucible Steel, Oil Tempered; INSIDE OF BLADE GOLD BRONZED; OUTSIDE OF BLADE AND SOCKET FULL MIRROR POLISHED; SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE; Selected and Polished Hickory Handles, with Iron Ferrules at Top; Length of Blade, from Shoulder to Cutting Edge, 8 inches.

Size, inches	¾	¾	1
Weight per dozen about, lbs.	12	15½	18
Per dozen	\$32.00	34.00	36.00

One-half Dozen in a Wood Box.



KEEN KUTTER®, TANGED BUTT.

Forged from Highest Grade Crucible Steel, Oil Tempered, FULL MIRROR POLISHED, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE; Selected and Polished Leather Capped Hickory Handles, with Heavy Brass Ferrules; Length of Blade, from Shoulder to Cutting Edge, 3 inches; Especially adapted for Fitting Butts to Doors.

No. E—PLAIN BACK.

Size, inches	¾	¾	1	1¼
Weight per dozen about, lbs.	3	3½	4	5
Per dozen	\$4.50	5.00	5.75	7.00
Size, inches	1½	1¾	2	
Weight per dozen about, lbs.	6	6½	7	
Per dozen	\$7.75	9.25	10.75	

One-half Dozen in a Wood Box.

No. F—BEVELED EDGE.

Size, inches	¾	¾	1	1¼
Weight per dozen about, lbs.	3	3½	4	5
Per dozen	\$5.50	6.00	6.75	8.00
Size, inches	1½	1¾	2	
Weight per dozen about, lbs.	6	6½	7	
Per dozen	\$8.75	10.25	11.75	

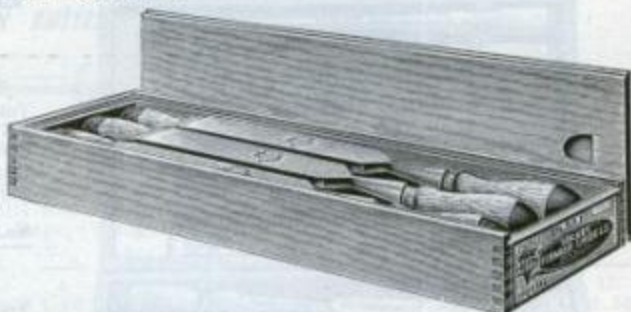
One-half Dozen in a Wood Box.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

CHISELS.

KEEN KUTTER® SPECIAL.

Forged from Highest Grade Crucible Steel, Oil Tempered, FULL MIRROR POLISHED, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE; ENTIRE BLADE AND SOCKET MADE FROM ONE PIECE OF STEEL; Selected and Polished Leather Capped Hickory Handles; Length of Blades, from Shoulder to Cutting Edge, 4 1/2 inches; Average Length over all about 11 1/2 inches.



No. SA—SOCKET FIRMER, PLAIN BACK.

Size, inches	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Weight per dozen about, lbs.	3 3/4	3 3/4	4	4 1/2	5	5 1/4	6	6 1/2	7 1/4	8 1/2	10	10 1/2
Per dozen	\$12.50	12.50	12.50	13.50	14.50	14.50	15.50	16.50	18.00	19.00	20.00	21.00

One-half Dozen in a Wood Box. Per Set

No. SAS—SET OF 8 PLAIN BACK CHISELS No. SA, one each, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2 and 2 inch; Weight per set about 4 lbs. \$11.25

No. SA12—SET OF 12 PLAIN BACK CHISELS No. SA, one each, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4 and 2 inch; Weight per set about 6 lbs. 16.00
One Set in a Wood Box.



No. SB—SOCKET FIRMER, BEVELED EDGE.

Size, inches	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Weight per dozen about, lbs.	3 3/4	3 3/4	4	4 1/2	5	5 1/4	5 3/4	6 1/4	7	8 1/2	9 3/4	9 3/4
Per dozen	\$16.00	16.00	16.00	17.00	18.00	18.00	19.00	20.00	21.50	22.50	23.50	24.50

One-half Dozen in a Wood Box. Per Set

No. SBS—SET OF 8 BEVELED EDGE CHISELS No. SB, one each, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2 and 2 inch; Weight per set about 4 lbs. \$13.50

No. SB12—SET OF 12 BEVELED EDGE CHISELS No. SB, one each, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4 and 2 inch; Weight per set about 6 lbs. 19.50
One Set in a Wood Box.



SOCKET FIRMER CHISELS IN SETS; IN HINGED COVER HARDWOOD BOXES.

No. S/6A—SET OF 6 PLAIN BACK CHISELS No. SA, one each, 1/4, 3/8, 1/2, 3/4, 1, 1 1/2 and 2 inch; Weight per set about 4 lbs. \$8.50

No. SAA—SET OF 12 PLAIN BACK CHISELS No. SA, one each, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4 and 2 inch; Weight per set about 7 3/4 lbs. 16.75

No. S/6B—SET OF 6 BEVELED EDGE CHISELS No. SB, one each, 1/4, 3/8, 1/2, 3/4, 1, 1 1/2 and 2 inch; Weight per set about 4 lbs. 10.50

No. SBB—SET OF 12 BEVELED EDGE CHISELS No. SB, one each, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4 and 2 inch; Weight per set about 7 3/4 lbs. 20.25

One Set in a Varnished Hardwood Box.

MT

CARVING TOOLS

CHISELS.STANDARD, TURNING, WITHOUT HANDLES.

Forged from Tool Steel, Oil Tempered and Polished; Cutting Edge Beveled from Both Sides; Length of Blade, from Shoulder to Cutting Edge, 6½ inches.

Size, inches	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1¼	1½	1¾	2
Weight per dozen about, lbs....	1	1½	2	2½	3	4	5	6	7	8	10	13
Per dozen	\$3.00	3.00	3.25	3.50	4.00	4.50	5.00	5.75	7.25	9.25	11.25	13.50

One-half Dozen in a Cardboard Box.



Cast Steel, Polished; NOT HANDLED OR SHARPENED; the 1 inch Chisel is 8½ inches Long from Bolt to the Point.

No. 11—BUCK'S TANGED PARING.

Size, inches	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4
Weight per dozen about, lbs.....	5½	5½	6	6½	7	7½	8	8½
Per dozen	\$2.80	2.80	2.80	2.90	2.90	3.20	3.55	4.00
Size, inches	7/8	1	1¼	1½	1¾	2	2½	3
Weight per dozen about, lbs.....	9	9½	10	10½	11	11½	12	12½
Per dozen	\$4.30	5.25	6.00	7.15	7.70	8.60	10.15	12.50

NOTE—If Ground Sharp a Charge of 20¢ per Dozen Net Extra will be Charged.
¼ to 1 inch, One Dozen, 1 to 2 inch One-half Dozen in a Cardboard Box.



Cast Steel, Polished; Handled with Polished Applewood Handles; Not Sharpened; the ¾ inch Chisel has 6¾ inch Blade.

No. 48—BUCK'S SOCKET MORTISE.

Size, inches	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4
Weight per dozen about, lbs.....	6½	7½	8½	9½	10½	11½	12½	13½	14½	15½
Per dozen	\$7.50	8.00	8.50	8.80	9.25	9.75	10.30	11.00	12.00	13.40

NOTE—If Ground Sharp a Charge of 40¢ per Dozen Net Extra will be charged.
One-half Dozen in a Cardboard Box.



Cast Steel, Polished; Handled with Polished Applewood Handles; Not Sharpened; Length of Blade, from Shoulder to Cutting Edge 8 inches.

No. 43—BUCK'S SOCKET PARING

Size, inches	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1¼	1½	1¾	2
Weight per dozen about, lbs....	3	3½	4	4½	5	5½	6	7	8	9	10	12
Per dozen	\$5.60	5.85	6.25	6.75	7.40	8.25	8.70	9.20	10.35	11.25	12.40	14.00

NOTE—If Ground Sharp a Charge of 20¢ per Dozen Net Extra will be charged.
One-half Dozen in a Cardboard Box.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.



GOUGES.



KEEN KUTTER[®], HANDLED; SOCKET FIRMER.
No. 1B—Inside Bevel.

Forged from Highest Grade Crucible Steel, Oil Tempered; Full Mirror Polished; Sharpened and Whetted on an Oil Stone by Hand Ready for Use; Selected and Polished Leather Capped Hickory Handle; Blade 6 1/4 inches Long.

Size, inches	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Weight per dozen about, lbs.	3 3/4	3 1/2	4	4 1/2	6	7	7 1/2	8 1/2	10	12	16	16 1/2
Per dozen	\$7.75	7.75	8.25	8.75	9.25	9.75	10.25	10.75	11.75	12.75	13.75	14.75

One-half Dozen in a Wood Box.



Highest Grade Steel, Perfectly Tempered Mirror Polished Blade, Sharpened Ready for Use. Leather Capped Handles.

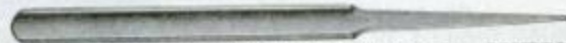
KEEN KUTTER[®], HANDLED; SOCKET FIRMER.
No. 0—Outside Bevel.

Forged from Highest Grade Crucible Steel, Oil Tempered; Full Mirror Polished; SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE. Selected and Polished Leather Capped Hickory Handle; Blade 6 1/4 inches Long.

Size, inches	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Weight per dozen about, lbs.	3 3/4	3 1/2	4	4 1/2	6	7	7 1/2	8 1/2	10	12	16	16 1/2
Per dozen	\$7.75	7.75	8.25	8.75	9.25	9.75	10.25	10.75	11.75	12.75	13.75	14.75

One-half Dozen in a Wood Box.

Sets of 8; One each, 1/4, 1/2, 3/4, 1, 1 1/4, 1 1/2, 1 3/4, 2 inches; Weight per Set about 6 1/2 lbs. Per Set. \$ 7.50
Sets of 12; One each, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4, 2 inches; Weight per Set about 8 lbs. Per Set. 10.50
One Set in a Wood Box.



STANDARD, TURNING, WITHOUT HANDLE; OUTSIDE BEVEL.

Forged from Tool Steel, Oil Tempered and Polished; Blade 8 inches Long.

Size, inches	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Weight per dozen about, lbs.	1 1/2	2	2 1/2	3 1/2	4	4 1/2	5 1/2	7	9	11	12
Per dozen	\$3.75	4.25	4.75	5.25	6.00	7.00	8.00	10.00	13.00	15.00	18.00

One-half Dozen in a Cardboard Box.

- 132 -

CARVING TOOLS.

Addis Style, Tanged; Forged from Tool Steel, Tempered, Polished and Blued Finish; Average Length of Blades 5 inches; Average Length over all 7 inches.

No. 1—FIRMERS.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$
Wgt. per doz. about, lbs.	$\frac{1}{2}$	1	1	$1\frac{1}{4}$
Per dozen	\$2.70	2.70	2.70	2.70
Width of Blade, inches..	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Wgt. per doz. about, lbs.	$1\frac{1}{2}$	$1\frac{3}{4}$	2	2
Per dozen	\$2.70	2.70	3.10	3.80

No. 2—CORNER FIRMERS.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Wgt. per doz. about, lbs.	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Per dozen	\$2.70	2.70	2.70	2.70
Width of Blade, inches.....	$\frac{5}{8}$	$\frac{3}{4}$	1	
Weight per dozen about, lbs.....	$1\frac{3}{4}$	2	2	
Per dozen	\$2.80	3.10	3.80	

No. 3.

STRAIGHT GOUGES.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Wgt. per doz. about, lbs.	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per dozen	\$3.15	3.15	3.15	3.15	3.15	3.75

No. 5.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Wgt. per doz. about, lbs.	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per dozen	\$3.15	3.15	3.15	3.15	3.15	3.75

No. 7.

STRAIGHT GOUGES.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Wgt. per doz. about, lbs.	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per dozen	\$3.15	3.15	3.15	3.15	3.15	3.75

No. 9.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Wgt. per doz. about, lbs.	$\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$
Per dozen	\$3.30	3.30	3.30	3.30	3.50	3.90

No. 11—STRAIGHT GOUGES.

Width of Blade, inches.....	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$
Weight per dozen about, lbs.....	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	1	1	$1\frac{1}{2}$	2
Per dozen	\$3.60	3.60	3.60	3.60	3.60	3.60	3.60

No. 12.

LONG BENT GOUGES.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
Wgt. per doz. about, lbs.	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	2
Per dozen	\$3.80	3.80	3.80	3.80	3.80

No. 14.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
Wgt. per doz. about, lbs.	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	2
Per dozen	\$3.80	3.80	3.80	3.80	3.80

No. 16.

LONG BENT GOUGES.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
Wgt. per doz. about, lbs.	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	2
Per dozen	\$3.80	3.80	3.80	3.80	3.80

No. 18.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
Wgt. per doz. about, lbs.	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Per dozen	\$3.80	3.80	3.80	3.80	4.10

No. 20—LONG BENT GOUGES.

Width of Blade, inches.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Weight per dozen, about, lbs....	$\frac{3}{4}$	$\frac{3}{4}$	1	1
Per dozen	\$3.85	3.85	3.85	3.85

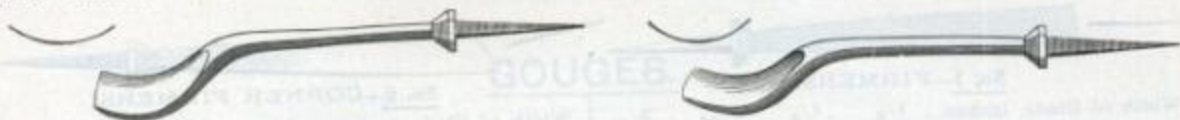
No. 21—SHORT BENT CHISELS.

Width of Blade, inches.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Weight per dozen about, lbs....	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Per dozen	\$3.40	3.40	3.40	3.40

One Dozen in a Package.

CARVING TOOLS.

Addis Style, Tanged; Forged from Tool Steel, Tempered, Polished and Blued Finish; Average Length of Blade 5 inches; Average Length over all 7 inches.



SHORT BENT GOUGES.

No. 24.					No. 26.				
Width of Blade, inches.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	Width of Blade, inches.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Weight per dozen about, lbs.	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	Weight per dozen about, lbs.	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Per dozen	\$3.80	3.80	3.80	3.80	Per dozen	\$3.80	3.80	3.80	3.80



SHORT BENT GOUGES.

No. 28.					No. 30.				
Width of Blade, inches.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	Width of Blade, inches.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Weight per dozen about, lbs.	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	Weight per dozen about, lbs.	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
Per dozen	\$3.80	3.80	3.80	3.80	Per dozen	\$3.80	3.80	3.80	3.80



No. 32.

SHORT BENT GOUGES.

Width of Blade, inches.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Weight per dozen about, lbs.	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Per dozen	\$3.85	3.85	3.85	3.85



No. 29.

STRAIGHT PARTING TOOLS.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Wgt. per doz. about, lbs..	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Per dozen	\$4.75	4.75	4.75	4.75	4.75



No. 40.

BENT PARTING TOOLS.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Wgt. per doz. about, lbs..	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Per dozen	\$5.30	5.30	5.30	5.30	5.30



No. 43.

BENT PARTING TOOLS.

Width of Blade, inches..	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Wgt. per doz. about, lbs..	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Per dozen	\$5.30	5.30	5.30	5.30	5.30

One Dozen in a Package.

CARVING TOOLS IN SETS.

STANDARD, HANDLED, TANGED.



No. 66—SET OF 6; One Bent Chisel $\frac{1}{4}$ inch, One Straight Chisel $\frac{5}{16}$ inch, One Bent Gouge $\frac{5}{16}$ inch, One Straight Parting Tool $\frac{3}{16}$ inch, One Corner Firmer $\frac{1}{4}$ inch, One Bent Parting Tool $\frac{5}{16}$ inch; Blades Forged from Tool Steel, Tempered and Polished; Polished Cocobolo Handles; Plain Brass Ferrules; Length of Blades $2\frac{1}{2}$ inches; Length over all $5\frac{1}{2}$ inches; Varnished, Hardwood Box, with Slide Lid; Weight per set about $\frac{1}{2}$ lb. \$2.00

One Set in a Wood Box.

CARVING TOOLS IN SETS.



STANDARD, HANDLED, TANGED.

This Set of 12 Tools is prepared especially for Manual Training Schools and for Amateurs generally. It includes the Best Sizes and Shapes suited for the work. The Blades are made of the Best Steel for this purpose, carefully Tempered, Finished, Ground and Sharpened, ready for use. The Handles are of Cocobolo, 4 inches Long and of the Most Approved Shapes; Brass Ferrules, Nickel Plated; Packed in a Chestnut Box, 10x8½ inches

CONTENTS:—Commencing at Bottom of Cut and going Upwards.

- 1 Straight Chisel, ¼ inch Wide; Length over all 9¼ inches.
- 1 Straight Gouge, ½ inch Wide; Length over all 9 inches.
- 1 Straight Gouge, ¾ inch Wide; Length over all 9 inches.
- 1 Curved Gouge, 5/16 inch Wide; Length over all 8¼ inches.
- 1 Curved Gouge, 9/32 inch Wide; Length over all 8½ inches.
- 1 Curved Gouge, ¼ inch Wide; Length over all 8½ inches.
- 1 Straight Gouge, ¼ inch Wide; Length over all 8½ inches.
- 1 "V" Tool, 3/16 inch Wide; Length over all 8¾ inches.
- 1 Narrow Straight Chisel, ¼ inch Wide; Length over all 8¾ inches.
- 1 Narrow Bevel Chisel, ¾ inch Wide; Length over all 8½ inches.
- 1 "V" Tool, ¼ inch Wide; Length over all 8¾ inches.
- 1 Vaining Tool, 3/32 inch Wide; Length over all 8¾ inches.

No. 120—Carving Tool Set, as described above; Weight per set about 4¾ lbs. Per Set \$10.00

Packed Loose
MARKING PUNCHES.

WOOD CARVERS'.



Tool Steel, Hardened and Tempered, Length over all 3 inches.

Nos.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Per dozen	\$4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60

Nos. 14; 15 and 16 are the same as Nos. 8, 9 and 10, but are ROUND instead of SQUARE.

One Dozen in a Cardboard Box; Weight per Dozen about ½ lb.

CARVING TOOLS IN SETS



MALLETS.



CARVERS'.

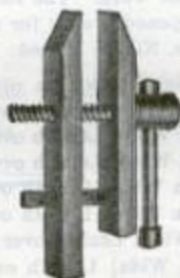
All Handles 7 inches Long.

	Per Dozen
No. 21—LIGNUM-VITAE HEAD 5 inches Long, 3½ inches Diameter; Weight per dozen about 20 lbs.....	\$4.45
No. 22—LIGNUM-VITAE HEAD 4½ inches Long, 3 inches Diameter; Weight per dozen about 18 lbs.....	3.90
No. 23—LIGNUM-VITAE HEAD 3½ inches Long, 2¾ inches Diameter; Weight per dozen about 15 lbs.....	3.35
No. 24—HICKORY HEAD 5 inches Long, 3½ inches Diameter; Weight per dozen about 16 lbs.....	3.35
No. 25—HICKORY HEAD 4½ inches Long, 3 inches Diameter; Weight per dozen about 14 lbs.....	2.80
No. 26—HICKORY HEAD 3½ inches Long, 2¾ inches Diameter; Weight per dozen about 11 lbs.....	2.50

Packed Loose.

VICES.

WOOD CARVERS'.



No. 5/C—Made of Best Quality Maple; Length of Vise 15 inches; Size of Jaw 1½x2½ inches; Opens 5 inches; 1¼ inch Bench Screw; Weight each about 16 lbs.....	Each \$12.00
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WOOD CARVERS' BENCH.



No. 31—Made entirely of Maple; Length over all 45 inches; Width 8 inches; Length of Top exclusive of Tail Vise 39 inches; The Screw is 1½ inches in Diameter; Vise Jaw 8 inches Long and 5 inches Wide; Vise Opens 8 inches; Three Wood Spring Stops furnished with each Bench; Weight each, packed, about 36 lbs.	Each \$9.00
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Packed Loose.

HOOP KNIVES.

No. 132—Blade 1 3/4 inches Wide.

Length of Blade, inches..	7	8	9	10
Wgt. per dozen about, lbs..	20	21	22	26
Per dozen	\$11.25	13.25	15.25	17.25

CHAMFER KNIVES.

Right Hand; Blade Forged from Tool Steel, Tempered and Polished; One Polished Walnut Handle; Polished Steel Ferrule; Tang extends through Ferrule and Handle, Clinched at Ends; One Steel Handle, Length 6 1/4 inches; Diameter 1 1/4 inches; Length of Wood Handle 9 inches.

No. 134.

Length of Blade, inches.....	5	6
Weight per dozen about, lbs.....	50	70
Per dozen	\$18.50	22.50

One-twelfth Dozen in a Package.

SPOKE SHAVES.

No. 138—Japanned, Cast Iron Frame; Tool Steel, Tempered and Polished Cutter, with Cap, Steel Adjusting Screws and Ferrules; Polished Walnut Handles; Width of Cutter 2 inches; Length of Handles 5 inches; Length over all 16 1/2 inches; Weight per dozen about 23 lbs. \$15.00

One-half Dozen in a Package.

LEVELERS.

No. 192—Oil Finished Apple Wood Frame and Cap; Tool Steel, Tempered and Polished Cutter; Length 13 inches; Width 3 in.; Size of Cutter 2 1/2 in.; Wgt. per doz. about 30 lbs.. \$15.00

One-twelfth Dozen in a Package.

HANDLED ADZES.

Forged from Tool Steel, Tempered, Polished and Japanned; Polished Apple Wood Handle; Steel Bolt extends through Head, Socket and Handle Secured at End by Steel Washer and Nut; Length of Handle 7 1/2 inches.

No. 123—TIGHT BARREL; Width of Cut 3 1/2 inches; Length of Head 9 1/2 inches; Weight per dozen about 47 lbs.....	\$30.00
No. 124—BARREL; Width of Cut 3 1/2 inches; Length of Head 9 1/2 inches; Weight per dozen about 48 lbs.....	28.50
No. 125—FLOUR BARREL; Width of Cut 2 1/2 inches; Length of Head 8 inches; Weight per dozen about 36 lbs.....	27.00

One-twelfth Dozen in a Package.

COOPERS' TOOLS.

BARTON'S.

Blade Forged from Tool Steel, Tempered and Polished; Polished Walnut Handles; Tangs extend through Handles and Clinched at Ends; Length of Handles 5 inches; Diameter of Handles 1 1/2 inches.



No. 129—Blade 2 1/2 inches Wide.

Length of Blade, inches.....	7	8
Weight per dozen about, lbs.....	26	28
Per dozen	\$12.50	14.50

One-quarter Dozen in a Package.

"V" IRONS.

No. 143—Forged from Tool Steel, Tempered and Polished Bit; Natural Finish Lug; Cuts Grooves up to 1/2 inch Wide; Weight per dozen about 1 lb. \$3.00

One Dozen in a Package.

HOOP DRIVERS.

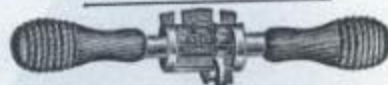
No. 166—FORGED FROM TOOL STEEL; Polished Bit; Japanned Finished Socket; Width of Bit 2 3/4 inches; Thickness of Bit 1/2 inch; Width of Socket 2 3/4 inches; Height over all 4 inches; Weight per dozen about 15 lbs.. \$11.25

No. 165—NANTUCKET; Forged from Tool Steel; Polished Bit; Japanned Finished Head; Width of Bit 1 1/2 inches; Thickness of Bit 3/4 inch; Height over all 4 1/2 inches; Weight per dozen about 15 lbs. 7.50

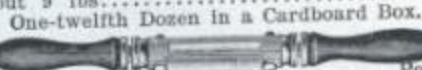
One-half Dozen in a Package.

No. 169—PLAIN HICKORY; Japanned Cast Iron Ring on End of Handle; Width of Bit 3 1/2 inches; Length of Bit 4 inches; Thickness of Bit 1 inch; Length of Handle 5 inches; Weight per dozen about 10 1/2 lbs..... 3.80

Packed Loose.

SPOKE SHAVES.

No. 67—STANLEY'S UNIVERSAL; Nickel Plated and Polished Frame; Polished Rosewood Handles, with Nickel Plated Steel Ferrules; Tempered and Polished Tool Steel Adjustable Cutter; Two Detachable Bottoms, for use on Straight or Circular Surfaces; Adjustable Width Gauge, for use in Rabbeting; Both Handles Detachable, and either can be Screwed into Frame at Top, when used to work in Corners; Width of Cutter 2 inches; Length over all 9 1/2 inches; Weight per dozen about 9 lbs..... \$18.00



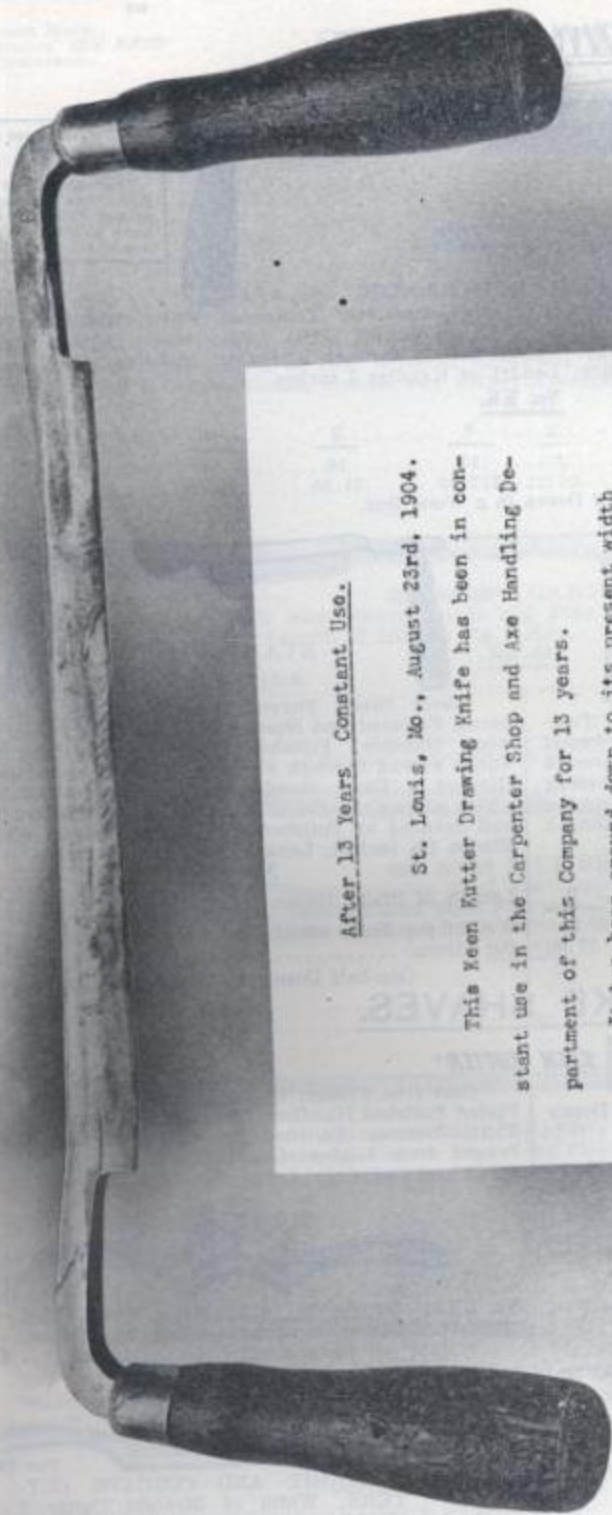
No. 10—CIRCULAR; Adapted to work on Circular or Straight Surfaces; Polished and Nickel Plated Cast Steel Body; Tempered and Polished Tool Steel Adjustable Cutter; Steel Adjusting Screw; Polished Rosewood Handles; Width of Cutter 2 1/4 inches; Length over all 10 inches; Weight per dozen about 6 lbs..... \$9.00

One-half Dozen in a Cardboard Box.



For Description and Prices, see Page 62.

"THE RECOLLECTION OF QUALITY REMAINS LONG AFTER THE PRICE IS FORGOTTEN" - E.C. SIMMONS
TRADE MARK REGISTERED.



After 13 Years Constant Use.

St. Louis, Mo., August 23rd, 1904.

This Keen Kutter Drawing Knife has been in constant use in the Carpenter Shop and Axe Handling Department of this Company for 13 years.

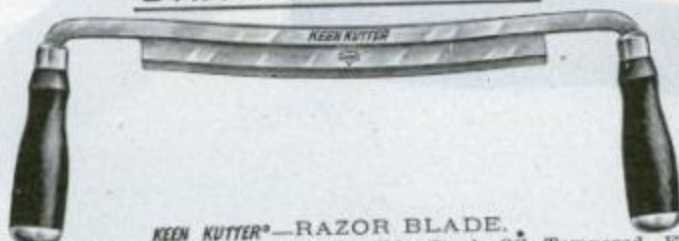
It has been ground down to its present width from an original measurement of 1 1/4-inches, and still has as good a cutting edge as the first day it was used.

Simmons Hardware Company.

"THE RECOLLECTION OF QUALITY REMAINS LONG AFTER THE PRICE IS FORGOTTEN" - E.C. SIMMONS
TRADE MARK REGISTERED.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

DRAWING KNIVES.



A perfect Tool and the finest Drawing Knife ever produced.

The Blade of every Knife has precisely the proper "Hang," making work a pleasure in the use of it.

KEEN KUTTER®—RAZOR BLADE.

Blades Forged from One Piece of Highest Grade Crucible Steel, Oil Tempered, FULL MIRROR POLISH, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE; Ebony Finish Hardwood Handles; Nickel Plated Steel Ferrules and Caps; Tangs extend through Ferrules, Handles and Caps, Carefully Headed at Ends; Width of Blades 1 3/4 inches; Length of Handles 5 inches.

No. KK.

	8	9	10	12	14
Length of Blade, inches.....	8	9	10	12	14
Weight per dozen about, lbs.....	15	16	19	21	24
Per dozen	\$22.00	24.00	25.00	27.00	29.00

One-half Dozen in a Wood Box.



WILKINSON'S
Folding Handle.

Razor Blade, Forged from Tool Steel, Oil Tempered, Polished and Sharpened; Oil Finished Hardwood Handles; Polished Steel Shanks; Tangs extend through Handles and Riveted at Ends; Handles have Folding Adjustment, secured by Heavy Polished Steel Clamping Screw and Bolt; Width of Blades 1 1/2 inches; Length of Handles 4 1/4 inches.

No. W.

	8	9
Length of Blade, inches.....	8	9
Weight per dozen about, lbs.....	21	26
Per dozen	\$24.00	27.00

One-quarter Dozen in a Cardboard Box.



STANDARD.
Adjustable.

Razor Blade, Forged from Tool Steel, Oil Tempered, Polished and Sharpened; Rosewood Finish Hardwood Handles; Polished Steel Ferrules and Caps; Tangs extend through Ferrules, Handles and Caps, and Riveted at Ends; Handles have Adjustment at Shank which allows the Blade to be Set at any Desired Pitch, and Secured by Polished Steel Clamp Screw; Width of Blades 1 3/4 inches; Length of Handles 5 inches.

No. 165.

	8	9
Length of Blade, inches.....	8	9
Weight per dozen about, lbs.....	17 1/2	20
Per dozen	\$12.00	13.50

One-half Dozen in a Cardboard Box.

SPOKE SHAVES.



KEEN KUTTER®

No. KK90—Varnished Beechwood; Straight Cutter, Forged from Highest Grade Crucible Steel, Oil Tempered and Polished; Patent Thumb Screw Adjustment; Steel Face Plate Screwed to Bottom; Width of Cutter 2 3/4 inches; Length over all 11 1/4 inches; Weight per dozen about 4 1/2 lbs.....\$10.00



No. KK92—STRAIGHT CUTTER, Width 2 3/4 inches; Length over all 10 3/4 inches; Cast Iron Frame; Frosted Nickel Body, and Nickel Plated Polished Handles; Nickel Plated Steel Adjusting Thumb Screws; Polished Face and Steel Cap; Cutters Forged from Highest Grade Crucible Steel, Oil Tempered and Polished; Weight per dozen about 7 1/2 lbs.\$6.00

One-half Dozen in a Cardboard Box.

Cast Iron Frame; Frosted Nickel Body, and Nickel Plated Polished Handles; Nickel Plated Steel Adjusting Thumb Screws; Polished Face and Steel Cap; Cutters Forged from Highest Grade Crucible Steel, Oil Tempered and Polished.



No. KK94—CONCAVE CUTTER Width 2 3/4 inches; Length over all 9 3/4 inches; Weight per dozen about 7 lbs.....\$6.00



No. KK96—STRAIGHT AND CONCAVE CUTTERS; Width of Straight Cutter 2 inches; Width of Concave Cutter 2 3/4 inches; Length over all 12 3/4 inches; Weight per dozen about 10 1/2 lbs.....\$8.00

One-half Dozen in a Cardboard Box.

TRADE MARK
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

SCREW DRIVERS.



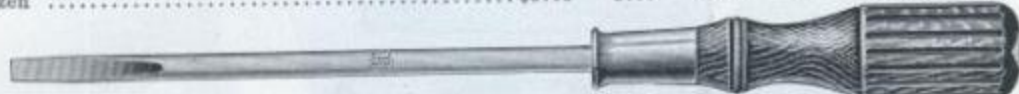
Showing extension of Blade through Handle.

KEEN KUTTER*

Blade Forged from Highest Grade Crucible Steel, Oil Tempered, Full Polished, Extending Entirely through Handle, with Large Square Head at Top; Selected Hardwood Handle, Rosewood Finish; Heavy Steel Ferrule; Heavy Rivet passes through Ferrule, Handle and Blade; Average Length of Handle $3\frac{1}{4}$ inches.

No. 50.

Length of Blade, inches	2	3	4	5	6	8	10
Weight per dozen about, lbs.	1½	1¾	2½	4¼	5	7½	8¾
Per dozen	\$3.00	3.50	4.25	5.00	6.00	8.00	10.00



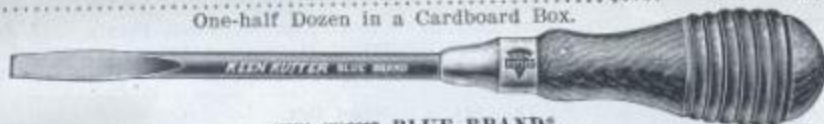
KEEN KUTTER*: CABINET.

Same as No. 50, but Made with Slender Blade and Fine Point; Designed Especially for Cabinet Makers' and Electricians' use; Average Length of Handle $3\frac{1}{2}$ inches.

No. 60.

Length of Blade, inches	3½	4½	5½	6½	8½
Weight per dozen about, lbs.	1¾	2¾	3	3¾	3½
Per dozen	\$3.50	4.50	5.00	5.50	8.50

One-half Dozen in a Cardboard Box.

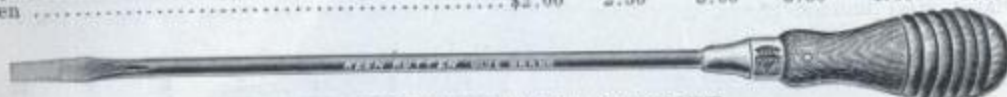


KEEN KUTTER BLUE BRAND*.

Blade Forged from Highest Grade Crucible Steel, Oil Tempered, Polished and Blued; Polished, Beaded Hardwood Handle, Rosewood Finish; Nickel Plated Steel Ferrule; Tang of Blade Extends about Halfway through Length of Handle and Secured by Heavy Riveted Pin Driven through Handle and Tang; Average Length of Handle $3\frac{1}{2}$ inches.

No. 615.

Length of Blade, inches	2	3	4	5	6	8	10
Weight per dozen about, lbs.	2	2¼	3	4	5	6½	8
Per dozen	\$2.00	2.50	3.00	3.50	4.00	5.50	6.50



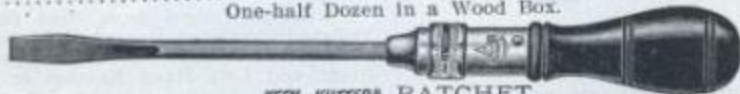
KEEN KUTTER BLUE BRAND*: CABINET.

Same as No. 615, but made with Slender Blade and Fine Points; Designed Especially for Cabinet Makers' and Electricians' Use; Average Length of Handle $3\frac{1}{2}$ inches.

No. 615½.

Length of Blade, inches	4	6	8	10
Weight per dozen about, lbs.	2	3	4½	7½
Per dozen	\$3.00	4.00	5.50	6.50

One-half Dozen in a Wood Box.



KEEN KUTTER* RATCHET.

Blade Forged from Highest Grade Crucible Steel, Oil Tempered, Blued Finish Blade; Polished Ebony Finish Hardwood Handle; Nickel Plated Steel Ratchet Case and Reversing Sleeve, Adjustable to work with Right and Left Hand Ratchet or Rigid; Average Length of Handle $3\frac{1}{2}$ inches.

No. KK311—KEEN KUTTER* RATCHET.

Blade, inches	2	3	4	5	6	8	10	12
Weight per dozen about, lbs.	1¾	3	3½	4	5	6	7¾	8¾
Per dozen	\$6.50	8.00	8.75	9.50	11.25	13.00	15.50	17.00

One-half Dozen in a Cardboard Box.

SCREW DRIVERS.



GAY & PARSON Ratchet.

Tempered and Polished Tool Steel Blade; Nickel Plated Brass Ferrules; Ebony Finish Hardwood Handle; Polished Steel Ratchet Plate; Works Right and Left Hand, Ratchet or Rigid.

No. GP.

	4	5	6	8
Blade, inches	3 1/2	5	6 1/2	7 1/2
Weight per dozen about, lbs.....	\$9.00	10.20	12.00	13.50

One-half Dozen in a Cardboard Box.

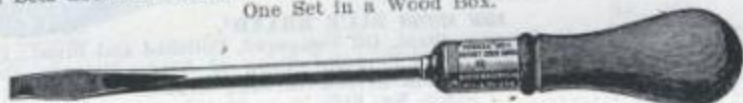


CLARK'S Screw Driver Sets.

In Hardwood, Oil Finished, Hinged Cover Boxes, With Catch.

No. 10—4 Tempered and Polished Tool Steel Detachable Bits; Assorted Width Points, 5/16, 3/8, 7/16 and 9/16 inch; Polished Steel Chuck; Oil Finished Hardwood Handle; Average Length of Blades 5 1/4 inches; Length of Handle 4 1/4 inches; Size of Box 8 inches Long, 3 1/4 inches Wide, 1 1/2 inches Deep; Weight per dozen Sets about 16 lbs. Per Dozen Sets \$15.00

One Set in a Wood Box.

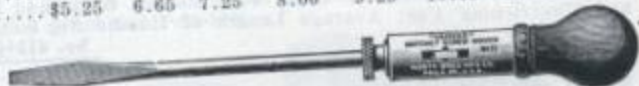


YANKEE RATCHET.

Blade Forged from Tool Steel, Tempered and Polished; Polished Rosewood Finished Hardwood Handle; Nickel Plated Steel Ratchet Sleeve, Adjustable to Work with Right and Left Hand Ratchet or Rigid; Average Length of Handle 3 1/2 inches.

No. 11.

	2	3	4	5	6	8	10	12
Blade, inches	1 1/2	3	3 1/2	4	5	6	7 1/2	8 1/2
Weight per dozen about, lbs.....	\$5.25	6.65	7.25	8.00	9.25	10.65	12.50	13.75



YANKEE RATCHET.

Blade Forged from Tool Steel, Tempered and Polished; Polished Rosewood Finished Handle; Nickel Plated Steel Ratchet Sleeve, Adjustable to Work with Right and Left Hand Ratchet or Rigid; Fitted with Knurled Washer below Ratchet Sleeve with which Small Screws may be Turned with Thumb and Finger, without Moving Hand Grip or Handle; Adapted Especially for Electricians' and Cabinet Makers' Use; Length of Handle and Ratchet Sleeve 2 1/4 inches; Width of Point 3/16 inch.

No. 15.

	2	3	4	5
Blade, inches	1 1/2	1 3/4	2	2 1/4
Weight per doz. about lbs.....	\$5.00	5.50	6.00	6.50

No. 12—YANKEE RATCHET: Same Description as No. 11, but with SHORT, HEAVY BLADE; Made especially for Mechanics Requiring a Short, Strong Screw Driver; Length of Blade 1 1/2 inch; Width of Point 5/16 inch; Length of Handle 3 3/4 inches; Weight per dozen about 4 lbs. Per Dozen \$8.50

One-half Dozen in a Cardboard Box.



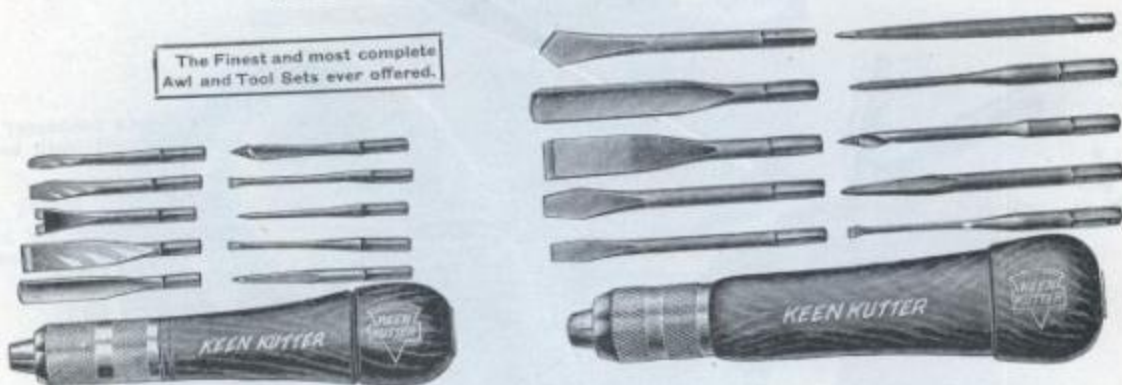
THE RECOLLECTION OF QUALITY REMAINS LONG AFTER THE PRICE IS FORGOTTEN.—E.C. SIMMONS—
TRADE MARK REGISTERED

For Prices and Description, see Page 66.

TRADE MARK
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

AWL AND TOOL SETS.

The Finest and most complete
Awl and Tool Sets ever offered.



KEEN KUTTER*

- | | |
|---|---|
| <p>No. 50—KEEN KUTTER*, 10 TOOLS as shown; Highest Grade Crucible Steel Blades, Oil Tempered, Straw Color Finish; CUTTING TOOLS SHARPENED AND WHETTED BY HAND, READY FOR USE; Polished Hollow Cocobolo Handle, with Screw Cap, to contain Blades; Brass Button at top of Cap to prevent splitting; Heavy Steel Screw Chuck, Polished and Knurled; Polished Steel Jaws; Length of Blades 2½ inches; Length of Handle 6¼ inches; Length over all, with Blade attached, 8¼ inches; Diameter of Chuck 15/16 inch; Weight per dozen about 7 lbs. \$18.00</p> | <p>No. 60—KEEN KUTTER*; LARGE SIZE; 10 TOOLS as shown; Highest Grade Crucible Steel Blades, Oil Tempered, Straw Color Finish; CUTTING TOOLS SHARPENED AND WHETTED BY HAND, READY FOR USE; Polished Hollow Cocobolo Handle, with Screw Cap, to contain Blades; Brass Button at Top of Cap to prevent splitting; Heavy Steel Screw Chuck, Polished and Knurled; Polished Steel Jaws; Length of Blades 4 inches; Length of Handle 7¼ inches; Length over all, with Blade attached, 10¼ inches; Diameter of Chuck 11/16 inches; Weight per dozen about 10½ lbs. \$27.00</p> |
|---|---|

One-half Dozen in a Cardboard Box.

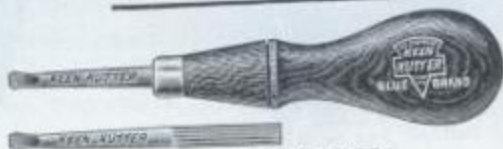
SCRATCH AWLS.



KEEN KUTTER BLUE BRAND*.

- | | |
|--|--|
| <p>No. 111—KEEN KUTTER BLUE BRAND*; Highest Grade Crucible Steel Blade, Oil Tempered, Blued Finish; Hardwood Handle, Rosewood Finish; Nickel Plated Steel Ferrule; Length of Blade 4½ inches; Diameter of Blade 5/32 inch; Length over all 7¾ inches; Weight per dozen about 2 lbs. \$2.50</p> | <p>No. 112—KEEN KUTTER BLUE BRAND*; Highest Grade Crucible Steel Blade, Oil Tempered, Blued Finish; Hardwood Handle, Rosewood Finish; Heavy Nickel Plated Steel Ferrule; Length of Blade 5 inches; Diameter of Blade 7/32 inch; Length over all 8¾ inches; Weight per dozen about 2¼ lbs. \$3.00</p> |
|--|--|

BRAD AWLS.



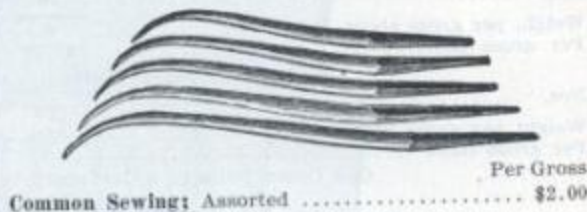
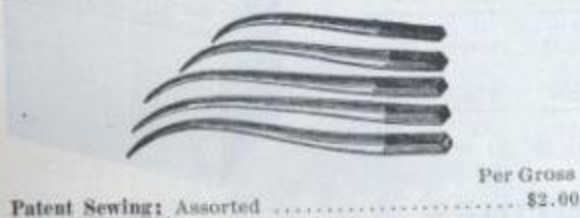
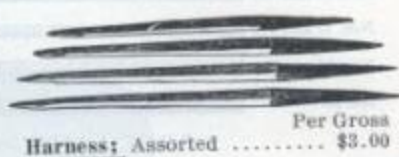
KEEN KUTTER BLUE BRAND*.

- No. 110—KEEN KUTTER BLUE BRAND***; Highest Grade Crucible Steel Blades, Oil Tempered, Blued Finish; Hardwood Handle, Rosewood Finish; Nickel Plated Steel Ferrule; Blades have FLUTED SHANKS, which WILL NOT PULL OUT OF HANDLE; Length of Blades 1½ inches; Diameter of Blades, assorted, 2/32, 3/32 and 4/32 inch; Length over all 5½ inches; Weight per dozen about 1½ lbs. \$2.50
- One Dozen in a Wood Box.

-145-

AWLS.

Tempered and Polished Tool Steel; Cuts Actual Size.



One-half Gross in a Box; Weight per Gross about 6 ounces.

CHALK LINES.

White Cotton.



SOFT LAID, Light, in 20 Foot Hanks.

Nos.	1	2	3	4
Wgt. per gross hanks about, lbs.	1½	2¼	2¾	3
Per gross hanks	\$3.60	4.20	5.40	6.00

Twelve Hanks Connected; One-half Gross Hanks in a Cardboard Box.



SOFT LAID, HEAVY, in 20 Foot Hanks.

Nos.	21	22	23
Weight per gross hanks about, lbs.	3¾	4	5
Per gross hanks	\$6.60	7.20	7.80

Twelve Hanks Connected; One-half Gross Hanks in a Cardboard Box.



Per Gross Hanks
No. 24—SOFT LAID, in 100 foot Hanks; Weight
per gross hanks about 24 lbs. \$26.00

One-twelfth Gross Hanks in a Cardboard Box.

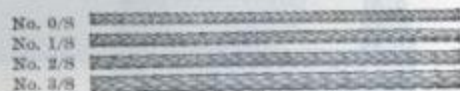
Per Gross Balls
No. 22B—SOFT LAID, HEAVY, in ¼ lb. Balls;
100 feet in a Ball; Weight per gross balls
about 36 lbs. \$48.00

One-twelfth Gross Balls in a Package.



FINE BRAIDED, in 20 Foot Hanks.

Nos.	30	31	32	33
Wgt. per gross hanks about, lbs.	2	3	3½	4½
Per gross hanks	\$12.00	13.80	15.00	16.20



SAMPSON SOLID BRAIDED, in 20 Foot Hanks.

Nos.	0/8	1/8	2/8	3/8
Wgt. per gross hanks about, lbs.	3	4	5	5¾
Per gross hanks	\$18.00	21.00	24.00	27.00

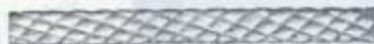
Twelve Hanks Connected; One-half Gross Hanks in a Cardboard Box.



SAMPSON SOLID BRAIDED, in 48 Foot Hanks.

Nos.	3½/8	4/8	4¾/8
Weight per dozen hanks about, lbs.	1½	3½	4¼
Per dozen hanks	\$3.00	4.00	5.00

Twelve Hanks Connected; One Dozen Hanks in a Cardboard Box.



SAMPSON SOLID BRAIDED, in 100 Foot Hanks. Per Dozen Hanks

No. 5/8—Weight per dozen hanks about 13 lbs. \$15.00
Two Hanks Connected; One Dozen Hanks in a Package.

Cuts Full Size.

CHALK LINES.



Cut shows Ball.



SOFT LAID, in 50 Foot Balls.

Nos.	16	17	18	19
Weight per gross about, lbs.	8	9½	11	13
Per gross Balls	\$7.20	7.20	8.40	9.60

In 100 Foot Balls.

Nos.	160	170	180
Weight per gross about, lbs.	16	18	19
Per gross Balls	\$14.40	14.40	14.40

One Dozen Balls in a Cardboard Box.

MASON'S LINES.



COTTON, HARD LAID.

	Per Gross
No. 20—WHITE: In Hanks 30 FEET; Weight per gross about 7 lbs.	\$ 9.00
No. 25—YELLOW: In Hanks of 100 FEET; Weight per gross about 22 lbs.	36.00

No. 20, One-half Gross Hanks in a Box; No. 25, One Dozen Hanks in a Box.
Cuts Full Size.

CHALK LINE REELS.



Per Dozen

No. 12—POLISHED HARDWOOD; Diameter of ends 2 inches; Diameter of Center ½ inch; Diameter of Axle Hole ¼ inch; Length between ends 2 inches; Length over all 2¾ inches; Weight per dozen about ¼ lb. \$1.20

Three Dozen in a Cardboard Box.

CARPENTERS' CHALK.



PREPARED.

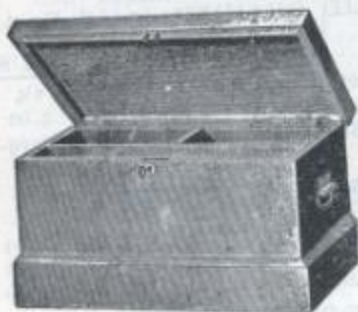
	Per Gross
White	\$1.00
Red	1.40
Blue	1.75

One-half Gross in a Box; 25 Gross in a Case; Weight per Case about 375 lbs.

CARPENTERS' TOOL CHESTS.

WITHOUT TOOLS.

Heavy White Pine; Hinged Cover; Painted Light Drab with Maroon Trimmings; Heavy Japanned Cast Iron Handle Screwed to Each End; Strong Lock with Key; Inside Tray ¾ inches Deep; Reinforced with Extra Strips at Bottom.



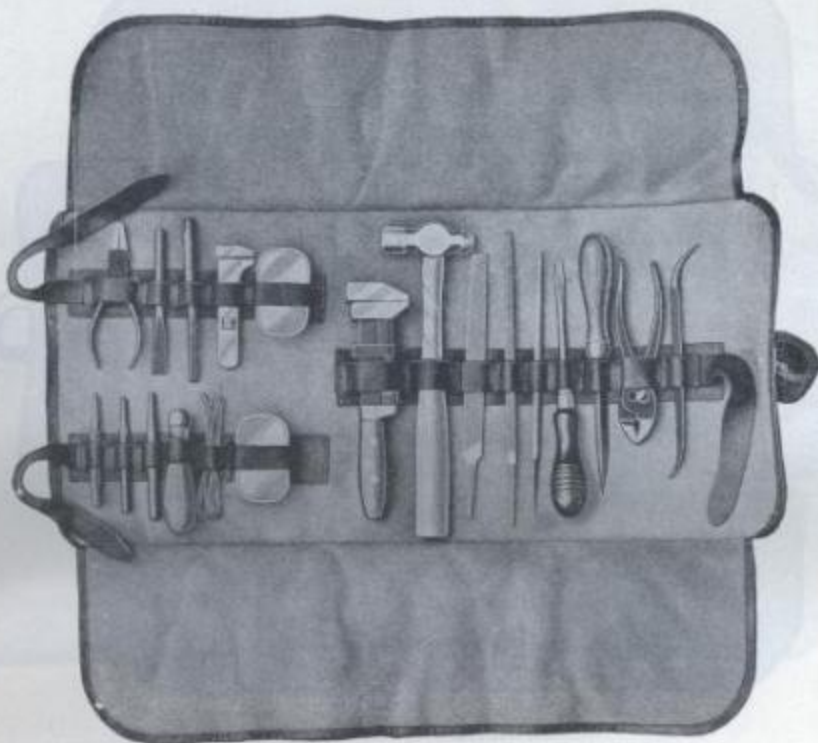
Nos.	1G	2G	3G
Depth, inches	12	12	12
Width, inches	19	15	20
Weight each about, lbs.	34	58	73
Each	\$5.00	6.50	7.50

Sizes Given are Inside Measurements.
One in a Crate.

-146B-



AUTOMOBILE TOOL KITS.



Dimensions of Roll:

Length 12½ inches; Diameter 5½ inches.

No. 5A—Canvas Roll Tool Kit, Complete with 17 High Grade Tools, etc..... Each \$10.00

Contents of No. 5A Tool Kit:

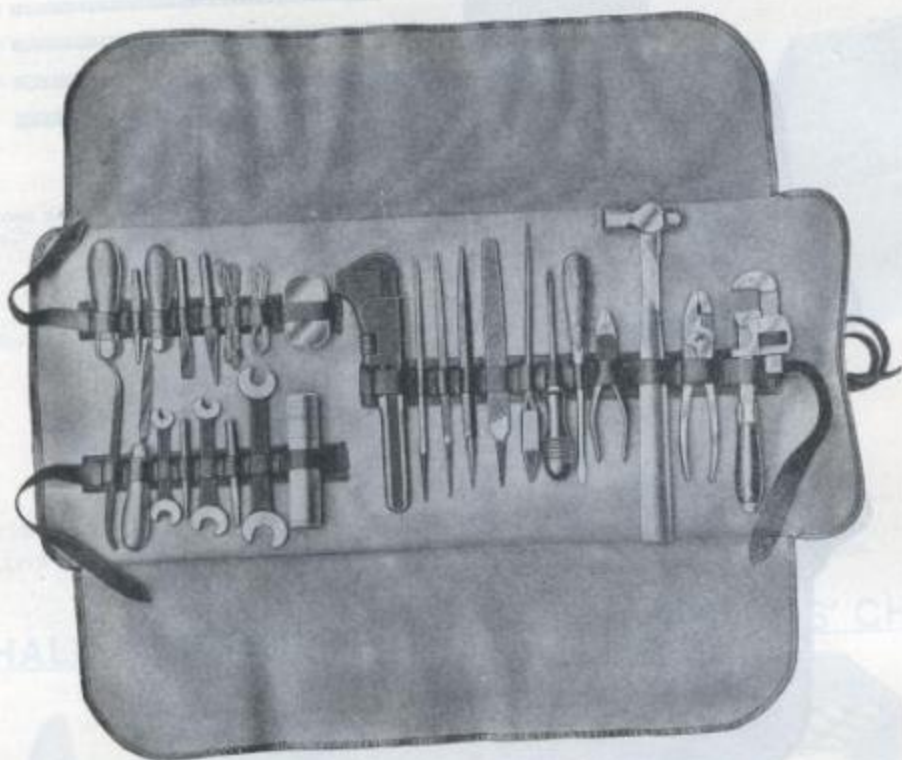
- | | |
|--|---|
| 1 KEEN KUTTER Blue Brand Center Punch No. 215. | 1 Solid Punch No. 6. |
| 1 KEEN KUTTER Flat Nose Plier No. 089F, 5 inch. | 1 Oak Leaf Machinists' Hammer No. M3/0. |
| 1 CHIPAWAY Round Bastard File, 7 inch. | 1 Black Combination Plier, 6 inch. |
| 1 CHIPAWAY Square Bastard File, 8 inch. | 1 Three-Cornered Steel Scraper, 4½ inch Blade, with Handle. |
| 1 CHIPAWAY Mill Bastard File, 7 inch. | 1 Cotter Pin Lifter. |
| 1 Drive Well Screw Driver No. 725, 4 inch. | 1 Box Assorted Cotter Pins. |
| 1 Black Jack Wrench No. BJ, 8 inch. | 1 File Handle. |
| 1 Essex Bicycle Wrench No. E. | 2 Pieces Copper Wire. |
| 1 Cape Chisel, ¼ inch. | 1 Box Assorted Spring Lock Washers. |
| 1 Cold Chisel, ½ inch. | |
| 1 Solid Punch No. 3. | |

Weight of Roll, with Tools, about 6 lbs.

Packed Loose.



AUTOMOBILE TOOL KITS.



Dimensions of Roll:

Length 15½ inches; Diameter 6¾ inches.

No. 3A—Canvas Roll Tool Kit, Complete with 21 High Grade Tools, etc. Each \$15.00

Contents of No. 3A Tool Kit:

- 1 KEEN KUTTER Blue Brand Center Punch No. 215.
- 1 CHIPAWAY Round Bastard File, 8 inch.
- 1 CHIPAWAY Square Bastard File, 8 inch.
- 1 CHIPAWAY Mill Bastard File, 8 inch.
- 1 CHIPAWAY Regular Taper File, 8 inch.
- 1 CHIPAWAY Side Cutting Plier No. 850, 6 inch.
- 1 Oak Leaf Machinists' Hammer No. M2/0.
- 1 Nickel Plated Combination Plier, 8 inch.
- 1 Perfect Screw Driver, 5 inch.
- 1 Bull Dog Perfect Screw Driver, 9½ inch.
- 1 Cold Chisel, ½ inch.
- 1 Cape Chisel, ¾ inch.
- 1 Solid Punch No. 3.
- 1 Solid Punch No. 6.

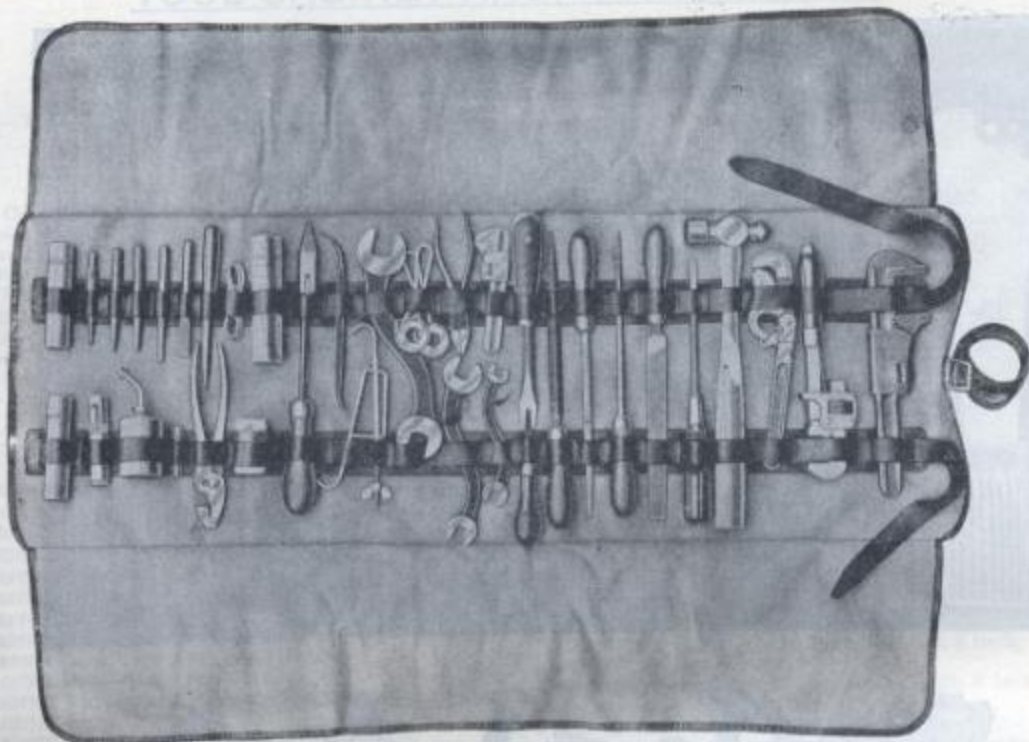
- 1 Three-Cornered Steel Scraper, 4½ inch Blade, with Handle.
- 1 Solid Wrench, No. E9, 9½ inch.
- 1 Stillson's Pipe Wrench, 10 inch.
- 1 Engineers' Wrench, Double End, 3/16 and 5/16 inch.
- 1 Engineers' Wrench, Double End, ¼ and ⅜ inch.
- 1 Engineers' Wrench, Double End, ⅝ and ¾ inch.
- 1 Cotter Pin Lifter.
- 1 File Handle.
- 1 Soldering Copper, ½ lb., with Handle.
- 1 Piece, 36 inch, Soft Solder.
- 1 Soldering Stick.
- 2 Pieces Copper Wire.
- 1 Box Assorted Cotter Pins.

Weight of Roll, with Tools, about 11½ lbs.

Packed Loose.

-146D-

HOM AUTOMOBILE TOOL KITS. 100T



Dimensions of Roll:

Length 16 inches; Diameter 7 inches.

No. 1A—Canvas Roll Tool Kit, Complete with 27 Highest Grade Tools, etc..... Each \$25.00

Contents of No. 1A Tool Kit:

- | | |
|--|---|
| 1 KEEN KUTTER Machinists' Hammer No. KM00. | 1 Stillson's Pipe Wrench, 10 inch. |
| 1 KEEN KUTTER Screw Driver No. 50, 6 inch. | 1 Bullard Pipe Wrench, 10 inch. |
| 1 KEEN KUTTER Blue Brand Screw Driver No. 615, 2 inch. | 1 Essex Bicycle Wrench No. E. |
| 1 KEEN KUTTER Blue Brand Center Punch No. 215. | 1 Engineers' Wrench, Double End, $\frac{1}{4}$ and $\frac{3}{16}$ inch. |
| 1 KEEN KUTTER Mill Bastard File, 8 inch, with Handle. | 1 Engineers' Wrench, Double End, $\frac{3}{8}$ and $\frac{5}{16}$ inch. |
| 1 KEEN KUTTER Square Bastard File, 8 inch, with Handle. | 1 Engineers' Wrench, Double End, $\frac{7}{16}$ and $\frac{1}{2}$ inch. |
| 1 KEEN KUTTER Round Bastard File, 8 inch, with Handle. | 2 Tire Bolt Wrenches. |
| 1 KEEN KUTTER Regular Taper File, 8 inch, with Handle. | 1 Cotter Pin Lifter. |
| 1 KEEN KUTTER Side Cutting Plier No. 950, 6 inch. | 1 Automobile Chain Repairer. |
| 1 Nickel Plated Combination Plier, 8 inch. | 1 Soldering Copper, $\frac{1}{2}$ lb., with Handle. |
| 1 Perfect Screw Driver, 9 $\frac{1}{2}$ inch. | 1 Soldering Stick. |
| 1 Solid Punch No. 3. | 1 Piece 36 inch Soft Solder. |
| 1 Solid Punch No. 5. | 1 Box Assorted Cotter Pins. |
| 1 Cold Chisel, $\frac{1}{2}$ inch. | 1 Hydrometer, in Case. |
| 1 Cape Chisel, $\frac{3}{4}$ inch. | 1 Nickel Plated Baby Torch. |
| 1 Three-Cornered Steel Scraper, 4 $\frac{1}{2}$ inch Blade, with Handle. | 1 Spark Plug Brush, in Case. |
| 1 Billings & Spencer Wrench, 10 inch. | 1 Spool Copper Wire. |

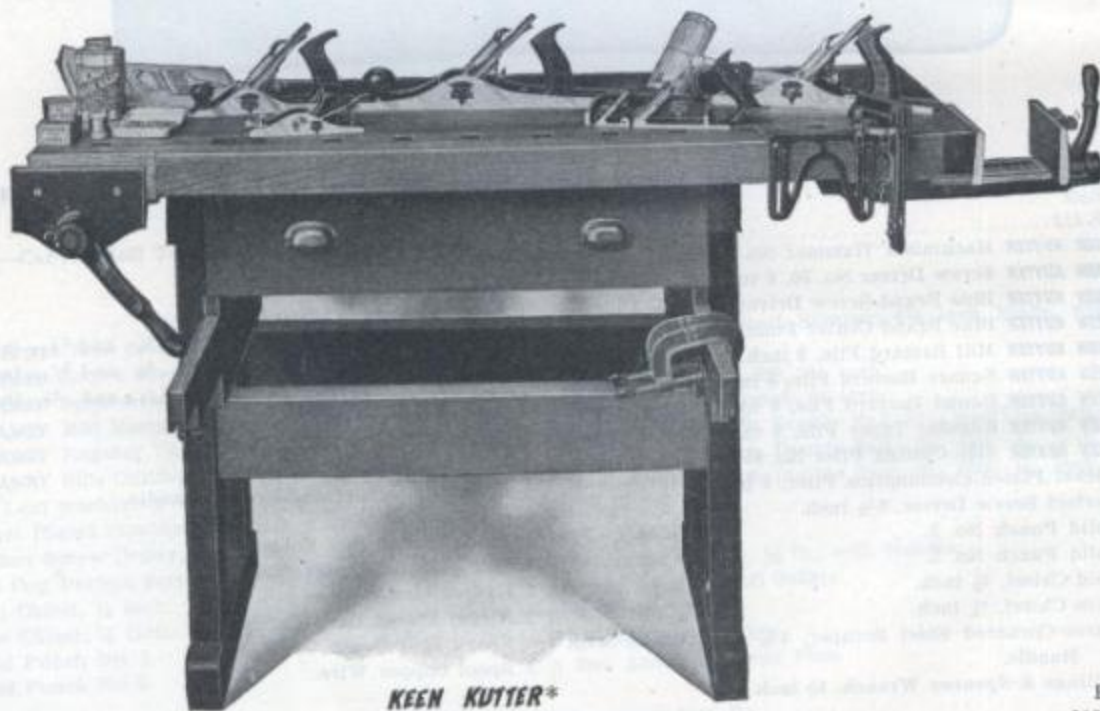
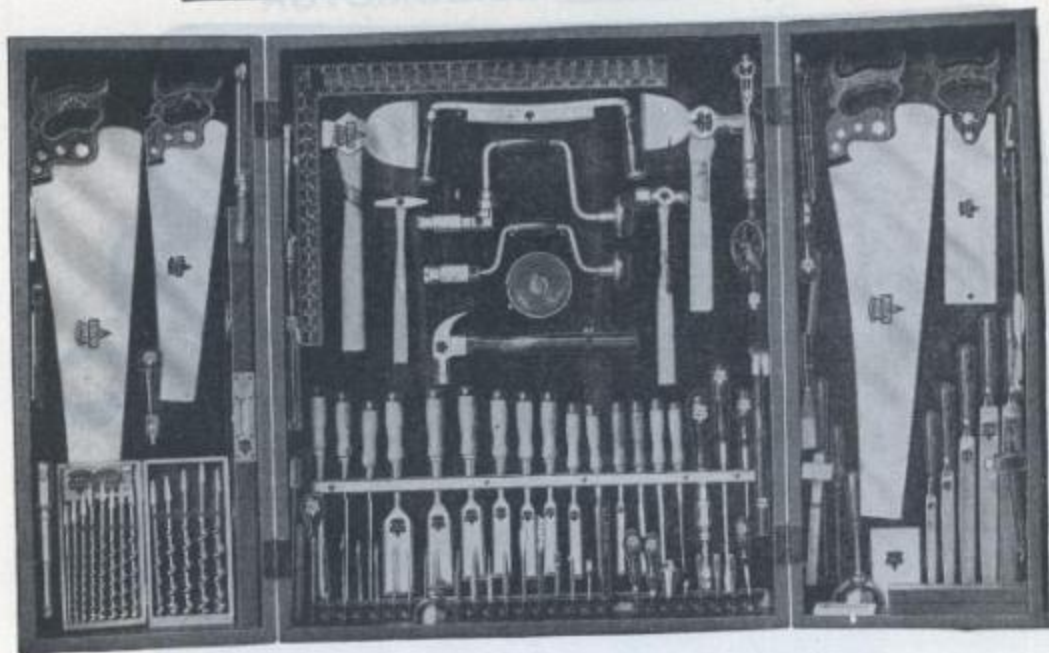
Weight of Roll, with Tools, about 15 lbs.

Packed Loose.



TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

TOOL CABINET AND WORK BENCH.



KEEN KUTTER*

No. K15—Wall Cabinet and Work Bench, Complete with 109 Highest Grade Tools.....\$125.00 Each
For Contents of Cabinet, see Page 146F

- 146 F -

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

TOOL CABINETS

KEEN KUTTER
REGISTERED TRADE MARK

TOOL CABINET AND WORK BENCH.

KEEN KUTTER*

No. K15—Wall Cabinet and Work Bench Complete with 109 High Grade Tools Each \$125.00

For Illustration, see Page 146E.

WALL CABINET—Well Seasoned Hard Maple. Height 36 inches; Width, Open, 60 inches; Width, Closed, 30 inches; Depth, Open, 5 inches; Depth, Closed, 10 inches; Two Paneled Box Doors, Finished in Natural Colors. Varnished and Hand Rubbed; Brass Hinges and Cylinder Lock, with Two Steel Keys; Fitted with Racks and Hooks to Hold Tools.

WORK BENCH—Special High Grade; Length 52 inches; Width 22 inches; Height 32 inches; Top 2¼ inches Thick, with Recess at Back 7 inches Wide; Drawer 28 inches Long, 19 inches Wide, 6 inches Deep; Fitted with Quick Acting Iron Vises at Side and End; Iron Bench Stop; Has Special Sliding Trestle; Constructed of Kiln Dried Hard Maple; Side Vise has Jaws Lined with Hard Maple to Prevent Marring Work; Tail Vise has Steel Dog to use in Holding Large Work; Finished in Oil and Shellac.

Contents of No. K15 KEEN KUTTER* Tool Cabinet:

- | | |
|--|--|
| 1 KEEN KUTTER Rip Saw No. 88, 26 inch. | 1 KEEN KUTTER Countersink No. 113. |
| 1 KEEN KUTTER Hand Saw No. 88, 26 inch. | 2 KEEN KUTTER Screw Driver Bits No. 103. |
| 1 KEEN KUTTER Panel Saw No. 88, 18 inch. | 1 KEEN KUTTER Automatic Drill No. K3. |
| 1 KEEN KUTTER Cabinet Saw No. 91, 12 inch. | 1 KEEN KUTTER Hand Drill No. K4. |
| 1 KEEN KUTTER Compass Saw No. 93, 12 inch. | 1 KEEN KUTTER Awl and Tool Set No. 50. |
| 1 KEEN KUTTER Hack Saw No. 188A. | 1 KEEN KUTTER Scratch Awl No. 112. |
| 1 KEEN KUTTER Saw Set No. 195. | 2 KEEN KUTTER Brad Awls No. 110. |
| 1 KEEN KUTTER Smooth Plane No. KK3. | 1 KEEN KUTTER Wing Divider No. 10, 8 inch. |
| 1 KEEN KUTTER Jack Plane No. KK5. | 1 KEEN KUTTER Combination Plier No. 160, 6 inch. |
| 1 KEEN KUTTER Fore Plane No. KK6. | 1 KEEN KUTTER Cutting Plier No. 50. |
| 1 KEEN KUTTER Rabbet and Filletster No. KK78. | 1 KEEN KUTTER Carpenters' Pincers No. 808, 8 inch. |
| 1 KEEN KUTTER Block Plane No. KK15. | 1 Each KEEN KUTTER Cold Chisel, ¼, ¾ inch. |
| 1 KEEN KUTTER Blue Brand Steel Square No. K100. | 1 KEEN KUTTER Center Punch. |
| 1 KEEN KUTTER Blue Brand Try Square No. 120, 7¼ inch. | 1 Each KEEN KUTTER Nail Set No. 200, ½, ¾, 1 inch. |
| 1 KEEN KUTTER Drawing Knife, 8 inch. | 1 KEEN KUTTER Glass Cutter No. 10. |
| 1 KEEN KUTTER Bench Hatchet No. KNB2. | 1 KEEN KUTTER Putty Knife No. 103. |
| 1 KEEN KUTTER Shingling Hatchet No. KNO/1. | 1 KEEN KUTTER Cabinet Scraper, 3x5 inches. |
| 1 KEEN KUTTER Nail Hammer No. K511½. | 1 KEEN KUTTER Plumb and Level No. KK4, 26 inch. |
| 1 KEEN KUTTER Nail Hammer No. K513. | 1 KEEN KUTTER Carpenters' Apron No. K. |
| 1 KEEN KUTTER Ball Pein Hammer No. KMS/0. | 1 KEEN KUTTER Mounted Oil Stone No. KMS. |
| 1 KEEN KUTTER Riveting Hammer No. KRO. | 1 KEEN KUTTER Beveled Oil Slip No. KB5. |
| 1 Set KEEN KUTTER Special Auger Bits No. KS13. | 1 Quire KEEN KUTTER Sand Paper, Assorted. |
| 1 KEEN KUTTER Expansion Bit (Large) No. KKL. | 1 E. C. Simmons' Carpenters' Pencil No. 107. |
| 6 KEEN KUTTER Diamond Pat. Gimlet Bits, Assorted. | 1 Red Line Rule No. 620, 2 ft. |
| 1 KEEN KUTTER Ratchet Brace No. KKC10, 10 inch. | 1 Blue Brand Tape Line No. 6075, 75 ft. |
| 1 KEEN KUTTER Plain Brace No. KP6, 6 inch. | 1 Black Jack Wrench No. BJ, 10 inch. |
| 1 Each KEEN KUTTER Special Socket Firmer Chisel No. SB, ¼, ½, ¾, 1, 1½ inch. | 1 Sure Grip Wrench No. 40. |
| 1 Each KEEN KUTTER Goggles, Socket Firmer, ¼, ½, ¾ inch. | 1 Can Klincher Glue, 1 pint. |
| 1 Each KEEN KUTTER Screw Drivers, No. 50, 2-5-8 inch. | 1 Special Mallet. |
| 1 KEEN KUTTER Automatic Screw Driver No. K300. | 1 Plumb Bob No. 11. |
| 1 KEEN KUTTER Countersink for same. | 1 Sliding "T" Bevel No. 25H, 10 inch. |
| 1 Each E. C. Simmons' Special Slim Taper Files, 4-6 inch. | 1 Marking Gauge No. 65. |
| 1 Each KEEN KUTTER Mill Files, 6-10 inch. | 1 Mortise Gauge No. 177. |
| 1 Each KEEN KUTTER Mill Files, each 6-10 inch. | 1 Coping Saw No. 1. |
| 1 Each KEEN KUTTER Flat Bastard Files, 8-12 inch. | 1 Tack Claw No. 46. |
| 1 KEEN KUTTER Half Round Cabinet File, 12 inch. | 2 Coppered Steel Oilers. |
| 1 KEEN KUTTER Round File, 8 inch. | 1 Seaveys' Mitre Box No. 159. |
| 8 Apple Wood File Handles. | 1 Pair Malleable Carriage Clamps. |
| 1 KEEN KUTTER Reamer No. 115. | 1 Spool Wire. |
| | 1 Package Assorted Nails and Brads. |
| | 1 Package Assorted Screws. |
| | 1 Package Tacks. |

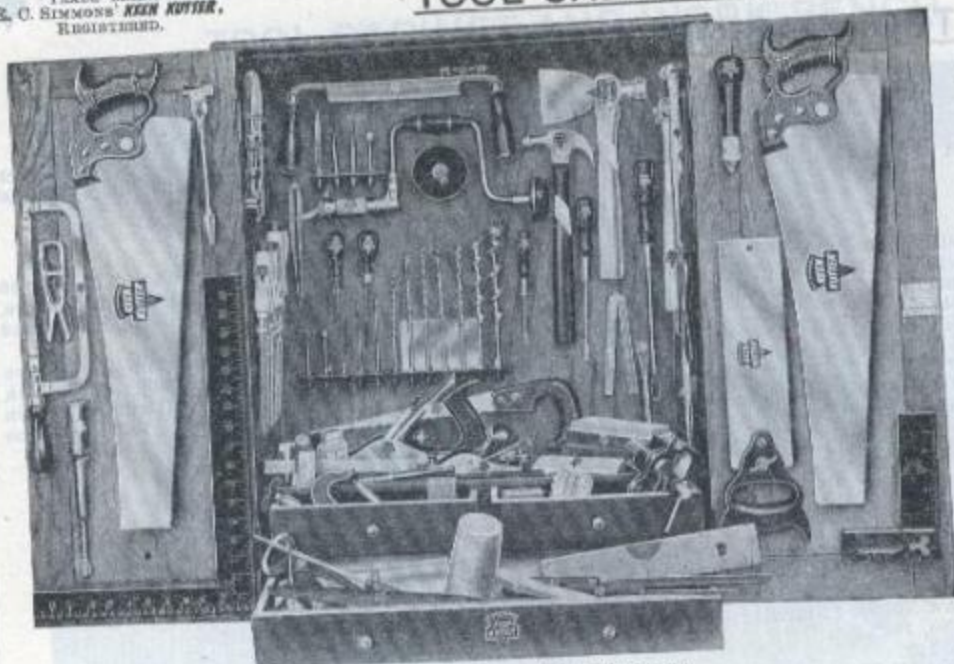
Cabinet and Work Bench in Separate Crates for Shipment. Tools Packed in Wood Box.

Weight of Cabinet, Bench and Tools, Crated for Shipment, about 350 lbs.

For Illustration, see Page 146E.

TOOL CABINETS.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.



KEEN KUTTER®

Heavy Oak Wall Cabinet with Two Paneled Doors; Three Inside Drawers, 3 inches Deep; Antique Finish, Finely Varnished and Hand Rubbed; Brass Plated Ball Tip Steel Hinges; Two Brass Hangers on Back; Brass Cylinder Lock, with Two Steel Keys; Complete with Outfit of Highest Grade Tools.

Dimensions of Cabinet:

Outside 32 inches High, 26 inches Wide, 10 inches Deep; Inside 30½ inches High, 24½ inches Wide, 8½ inches Deep.

No. K11W—KEEN KUTTER® Wall Cabinet, Complete with 86 Highest Grade Tools, etc. Each \$70.00

Contents of No. K11W KEEN KUTTER® Tool Cabinet:

- | | |
|--|--|
| 1 KEEN KUTTER Iron Jack Plane No. KK5C. | 1 KEEN KUTTER Oil Stone, Mounted, No. KM6. |
| 1 KEEN KUTTER Block Plane No. KK9½. | 1 KEEN KUTTER Beveled Oil Slip No. KBS. |
| 1 KEEN KUTTER Hand Saw No. 88, 22 inch. | 1 KEEN KUTTER Awl and Tool Set No. 50. |
| 1 KEEN KUTTER Rip Saw No. 88, 22 inch. | 1 KEEN KUTTER Screw Driver No. 50, 3, 5 and 8 inch. |
| 1 KEEN KUTTER Compass Saw No. 95, 12 inch. | 1 KEEN KUTTER Blue Brand Divider No. 691, 8 inch. |
| 1 KEEN KUTTER Hack Saw No. 188, 8 inch. | 1 KEEN KUTTER Blue Brand Scratch Awl, No. 111. |
| 12 KEEN KUTTER Hack Saw Blades No. KR, 8 inch. | 1 KEEN KUTTER Blue Brand Brad Awl No. 110. |
| 1 KEEN KUTTER Cabinet Saw No. 91, 12 inch. | 1 each KEEN KUTTER Nail Set No. 200, 7/32 and 1/32 inch. |
| 1 Coping Saw No. 100. | 1 KEEN KUTTER Black Jack Cold Chisel, ¾ inch. |
| 1 KEEN KUTTER Nail Hammer No. K512. | 1 KEEN KUTTER Side Cutting Plier No. 950, 7 inch. |
| 1 KEEN KUTTER Machinists' Hammer No. KM30. | 1 KEEN KUTTER Combination Plier, Nickel Plated, No. 160. |
| 1 KEEN KUTTER Tack Hammer No. K500. | 1 KEEN KUTTER Carpenters' Pincers, No. 808. |
| 1 KEEN KUTTER Shingling Hatchet No. KNO/1. | 1 KEEN KUTTER Glass Cutter No. 10. |
| 1 KEEN KUTTER Blue Brand Steel Square, 12x18 inch. | 1 KEEN KUTTER Cabinet Scraper, 3x5 inch. |
| 1 KEEN KUTTER Blue Brand Try Square No. 120, 6 inch. | 1 KEEN KUTTER Carpenters' Apron No. K. |
| 1 Sliding T Bevel. | 1 Pair KEEN KUTTER Tinners' Snips No. 2. |
| 1 KEEN KUTTER Drawing Knife, 8 inch. | 1 Black Jack Wrench No. BJ, 8 inch. |
| 1 KEEN KUTTER Ratchet Brace No. 104, 10 inch. | 1 Sure Grip Wrench No. 40. |
| 1 each KEEN KUTTER Special Auger Bit No. KS, 7/16, 5/16, | 1 Blue Brand Tape Line No. 6050. |
| 6/16, 5/16, 19/16, 12/16 and 16/16 inch. | 1 E. C. Simmons' Carpenters' Pencil No. 107. |
| 1 KEEN KUTTER Expansive Bit, large, No. KKL. | 1 E. C. Simmons' Redline Rule No. 620. |
| 1 each KEEN KUTTER Gimlet Bit, German Pattern, 5/32, | 1 Bench Vise. |
| 6/32, 8/32 inch. | 1 Marking Gauge. |
| 1 each KEEN KUTTER Countersink Bit No. 113 and 114. | 1 Boxwood Level. |
| 1 KEEN KUTTER Blue Brand Screw Driver Bit No. 103. | 1 Extra Grade Seasoned 2nd Growth Hickory Mallet. |
| 1 KEEN KUTTER Reamer Bit No. 115. | 1 Pair Malleable Carriage Clamps. |
| 1 KEEN KUTTER Hand Drill No. K3. | 1 Brass Plated Oiler. |
| 1 each KEEN KUTTER Special Soc. Fir. Beveled Chisel, No. | 6 Sheets KEEN KUTTER Sand Paper, Assorted. |
| SB, ¼, ⅝, ¾, 1, 1½ inch. | 1 4-oz. Can Kilncher Glue. |
| 1 KEEN KUTTER Socket Firmer Gouge, ½ inch. | 1 Spool Wire. |
| 1 KEEN KUTTER Mill File, 8 inch, with Handle. | 1 Package Assorted Nails and Brads. |
| 1 each KEEN KUTTER Special Slim Taper File, 4½ and 6 | 1 Package Assorted Screws. |
| inch, with Handle. | 1 Package Tacks. |
| 1 KEEN KUTTER Half Round Cabinet File, 10 inch, with | |
| Handle. | |

One in a Crate.

Weight of Cabinet with Tools about 99 lbs.; Crated 119 lbs.

-148-

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

TOOL CABINETS.



KEEN KUTTER*

Heavy Oak Corner Cabinet, with Two Paneled Doors; Three Inside Drawers, 3 inches Deep; Antique Finish, Finely Varnished and Hand Rubbed; Brass Plated Ball Tip Steel Hinges; Two Brass Hangers on Back; Brass Cylinder Lock, with Two Steel Keys; Complete with Outfit of Highest Grade Tools.

Dimensions of Cabinet:

Outside 32 inches High, 26 inches Wide at Front, 7 inches Wide at Back, 5 inches Deep at Side, 13½ inches Deep at Center; Inside 30½ inches High, 24½ inches Wide at Front, 5½ inches Wide at Back, 4 inches Deep at Side, 12 inches Deep at Center.

Each

No. K11C—KEEN KUTTER* Corner Cabinet, Complete with Outfit of 85 Highest Grade Tools, etc.....\$70.00

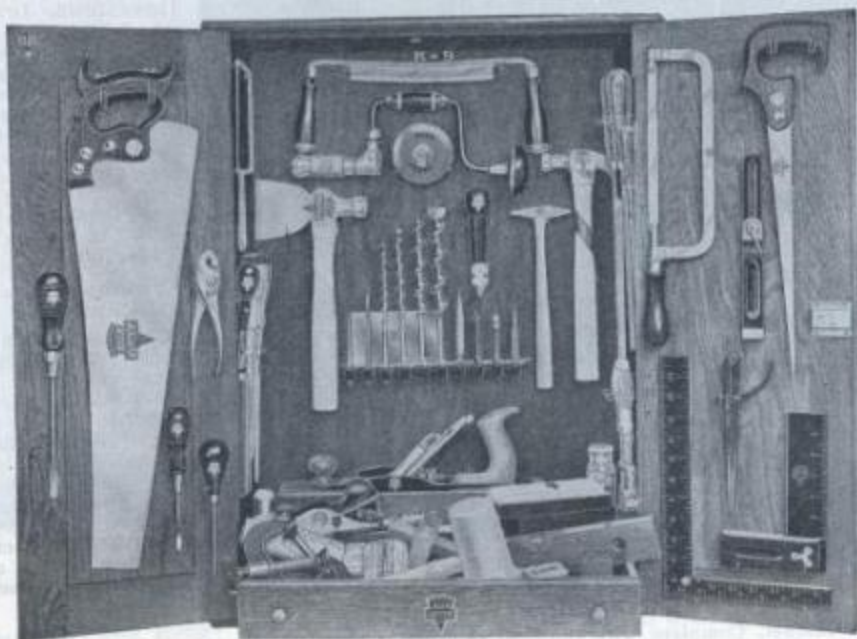
Contents of No. K11C KEEN KUTTER* Tool Cabinet.

- | | |
|---|--|
| 1 KEEN KUTTER Iron Jack Plane No. KK5C. | 1 KEEN KUTTER Half Round Cabinet File, 10 inch, with Handle. |
| 1 KEEN KUTTER Block Plane No. KK9½. | 1 KEEN KUTTER Oil Stone, Mounted, No. KM6. |
| 1 KEEN KUTTER Hand Saw No. 88, 22 inch. | 1 KEEN KUTTER Beveled Oil Slip No. KBS. |
| 1 KEEN KUTTER Rip Saw No. 88, 22 inch. | 1 KEEN KUTTER Awl and Tool Set No. 50. |
| 1 KEEN KUTTER Compass Saw No. 95, 12 inch. | 1 each KEEN KUTTER Screw Driver No. 50, 3, 5 and 8 inch. |
| 1 KEEN KUTTER Hack Saw No. 188, 8 inch. | 1 KEEN KUTTER Blue Brand Divider No. 691, 8 inch. |
| 12 KEEN KUTTER Hack Saw Blades No. KR, 8 inch. | 1 KEEN KUTTER Blue Brand Scratch Awl No. 111. |
| 1 KEEN KUTTER Cabinet Saw No. 91, 12 inch. | 1 KEEN KUTTER Blue Brand Brad Awl No. 110. |
| 1 Coping Saw | 1 each KEEN KUTTER Nail Set No. 200, 2/32 and 4/32 inch. |
| 1 KEEN KUTTER Nail Hammer No. K512. | 1 KEEN KUTTER Black Jack Cold Chisel, ¾ inch. |
| 1 KEEN KUTTER Machinists' Hammer No. KM30. | 1 KEEN KUTTER Side Cutting Plier No. 950, 7 inch. |
| 1 KEEN KUTTER Tack Hammer No. K500. | 1 KEEN KUTTER Comb'n. Plier, Nickel Plated, No. 160. |
| 1 KEEN KUTTER Shingling Hatchet No. KNO/L. | 1 KEEN KUTTER Carpenters' Pincer No. 808. |
| 1 KEEN KUTTER Blue Brand Steel Square, 12x18 inch. | 1 KEEN KUTTER Glass Cutter No. 10. |
| 1 KEEN KUTTER Blue Brand Try Square No. 120, 6 inch. | 1 KEEN KUTTER Cabinet Scraper, 3x5 inch. |
| 1 Sliding T Bevel. | 1 KEEN KUTTER Carpenters' Apron No. K. |
| 1 KEEN KUTTER Drawing Knife, 8 inch. | 1 Pair KEEN KUTTER Tinners' Snips No. 9. |
| 1 KEEN KUTTER Ratchet Brace No. 194, 10 inch. | 1 Black Jack Wrench No. BJ, 8 inch. |
| 1 each KEEN KUTTER Special Auger Bit No. KS, 4/16, 5/16, 9/16, 5/16, 10/16, 12/16 and 14/16 inch. | 1 Sure Grip Wrench No. 40. |
| 1 KEEN KUTTER Expansive Bit, large, No. KKL. | 1 Blue Brand Tape Line No. 8050. |
| 1 each KEEN KUTTER Gimlet Bit, German Pattern, 4/32, 6/32 and 8/32 inch. | 1 E. C. Simmons' Carpenters' Pencil No. 107. |
| 1 KEEN KUTTER Countersink Bit No. 113. | 1 E. C. Simmons' Redline Rule No. 620. |
| 1 KEEN KUTTER Countersink Bit No. 114. | 1 Bench Vise. |
| 1 KEEN KUTTER Blue Brand Screw Driver Bit, No. 103. | 1 Marking Gauge. |
| 1 KEEN KUTTER Reamer Bit No. 115. | 1 Boxwood Level. |
| 1 KEEN KUTTER Hand Drill No. K3. | 1 Extra Grade Seasoned 2nd Growth Hickory Mallet. |
| 1 each KEEN KUTTER Special Soc. Fir. Beveled Chisel, ¼, ⅜, ½, ¾, 1 and 1½ inch. | 1 Pair Malleable Carriage Clamps. |
| 1 KEEN KUTTER Socket Firmer Gouge, ½ inch. | 1 Brass Plated Oiler |
| 1 KEEN KUTTER Mill File, 8 inch, with Handle. | 6 Sheets KEEN KUTTER Sand Paper, Assorted. |
| 1 each KEEN KUTTER Special Slim Taper Files, 4½ and 6 inch, with Handles. | 1 4-oz. Can Klincher Glue. |
| | 1 Spool Wire |
| | 1 Package Assorted Nails and Brads. |
| | 1 Package Assorted Screws. |
| | 1 Package Tacks. |

Weight of Cabinet with Tools about 97 lbs.; Crated 120 lbs.
One in a Crate.

TOOL CABINETS.

TRADE MARK:
E. C. SIMMONS' **KEEN KUTTER**
REGISTERED.



Heavy Oak Wall Cabinet, with Two Paneled Doors; Inside Drawer, 3 inches Deep; Antique Finish, Finely Varnished and Hand Rubbed; Brass Plated Ball Tip Steel Hinges; Two Brass Hangers on Back; Brass Cylinder Lock, with Two Steel Keys; Complete with Outfit of Highest Grade Tools.

Dimensions of
Cabinet:

Outside -31 inches High,
22½ inches Wide, 8 inches
Deep; Inside 29½ inches
High, 21 inches Wide, 6½
inches Deep.

KEEN KUTTER*

No. K9—**KEEN KUTTER*** Wall Cabinet, Complete with Outfit of 50 Highest Grade Tools, etc. Each \$60.00

Contents of No. K9 **KEEN KUTTER*** Tool Cabinet:

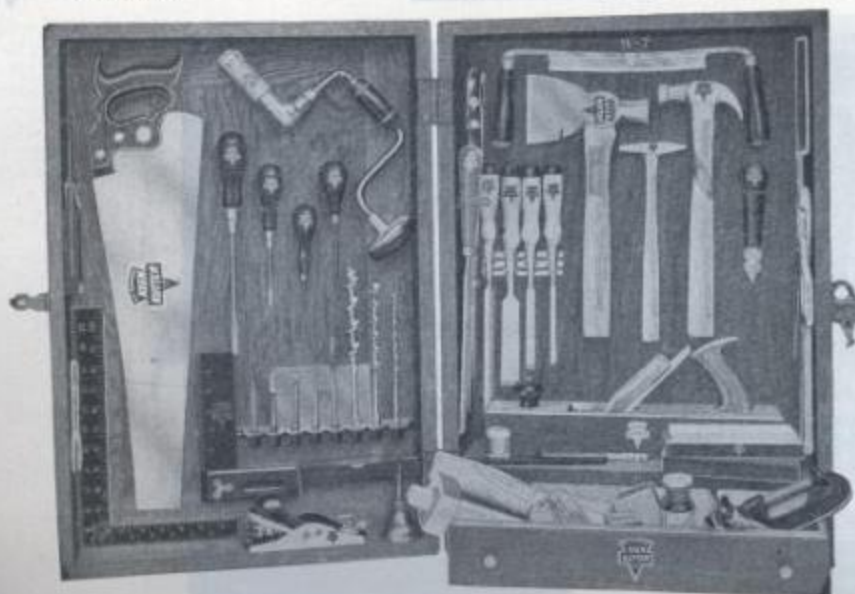
- | | |
|---|---|
| 1 KEEN KUTTER Jack Plane No. KK26. | 1 KEEN KUTTER Half Round Cabinet File, 10 inch, with Handle. |
| 1 KEEN KUTTER Block Plane No. KK9½. | 1 KEEN KUTTER Oil Stone, Mounted, No. KM6. |
| 1 KEEN KUTTER Hand Saw No. 88, 22 inch. | 1 KEEN KUTTER Awl and Tool Set No. 50. |
| 1 KEEN KUTTER Compass Saw No. 93, 12 inch. | 1 KEEN KUTTER Blue Brand Screw Driver No. 615, 3 inch. |
| 1 KEEN KUTTER Hack Saw No. 185. | 1 KEEN KUTTER Blue Brand Screw Driver No. 615, 6 inch. |
| 1 Coping Saw | 1 KEEN KUTTER Blue Brand Divider No. 691, 8 inch. |
| 1 KEEN KUTTER Nail Hammer No. K12. | 1 KEEN KUTTER Blue Brand Scratch Awl No. 111. |
| 1 KEEN KUTTER Riveting Hammer No. KR0. | 1 KEEN KUTTER Blue Brand Brad Awl No. 119. |
| 1 KEEN KUTTER Shingling Hatchet No. KNO/1. | 1 KEEN KUTTER Nail Set No. 200. |
| 1 KEEN KUTTER Blue Brand Steel Square No. K10. | 1 KEEN KUTTER Comb'n Plier, Nickel Plated, No. 160. |
| 1 KEEN KUTTER Blue Brand Try Square No. 120, 6 inch. | 1 KEEN KUTTER Glass Cutter No. 10. |
| 1 Sliding T Bevel. | 1 KEEN KUTTER Cabinet Scraper, 3x5 inch. |
| 1 KEEN KUTTER Drawing Knife, 8 inch. | 1 Blue Brand Tape Line No. 6050. |
| 1 KEEN KUTTER Ratchet Brace, 8 inch. | 1 E. C. Simmons' Carpenters' Pencil No. 107. |
| 1 KEEN KUTTER Special Auger Bit No. KS, ¾ inch. | 1 E. C. Simmons' Redline Rule No. 630. |
| 1 KEEN KUTTER Special Auger Bit No. KS, ¼ inch. | 1 Marking Gauge. |
| 1 KEEN KUTTER Special Auger Bit No. KS, ¾ inch. | 1 Boxwood Level. |
| 1 KEEN KUTTER Special Auger Bit No. KS, 1 inch. | 1 Never Slip Wrench, 8 inch. |
| 1 KEEN KUTTER Gimlet Bit, German Pattern, 4-32 inch. | 1 Extra Grade Seasoned 2nd Growth Hickory Mallet. |
| 1 KEEN KUTTER Gimlet Bit, German Pattern, 8-32 inch. | 1 Pair Malleable Carriage Clamps, 2½ inch. |
| 1 KEEN KUTTER Countersink Bit No. 113. | 1 Brass Plated Oiler No. 0. |
| 1 KEEN KUTTER Reamer Bit No. 115. | 6 Sheets KEEN KUTTER Sand Paper, Assorted. |
| 1 KEEN KUTTER Blue Brand Screw Driver Bit No. 103. | 1 2-oz. Can Klincher Glue. |
| 1 KEEN KUTTER Special Soc. Fir. Beveled Chisel, ¼ inch. | 1 Spool Wire No. 28T. |
| 1 KEEN KUTTER Special Soc. Fir. Beveled Chisel, ½ inch. | 1 Package Assorted Nails and Brads. |
| 1 KEEN KUTTER Special Soc. Fir. Beveled Chisel, 1 inch. | 1 Package Assorted Screws. |
| 1 KEEN KUTTER Soc. Fir. Gauge, ½ inch. | 1 Package Tacks. |
| 1 KEEN KUTTER Mill File, 8 inch, with Handle. | |
| 1 KEEN KUTTER Special Slim Taper File, 5½ inch, with Handle. | |

Weight of Cabinet with Tools about 70 lbs.; Crated 88½ lbs.
One in a Crate.

-150-

TRADE MARK
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

TOOL CABINETS.



Heavy Oak Wall Cabinet, with Paneled Box Door; Inside Drawer, 3 inches Deep; Antique Finish, Finely Varnished and Hand Rubbed; Brass Plated Hinges and Hasp; Two Brass Hangers on Back; Polished Brass Padlock, with Two Steel Keys; Complete with Outfit of Highest Grade Tools.

Dimensions of Cabinet:

Outside 27 inches High, 18½ inches Wide, 9 inches Deep; Inside 25½ inches High, 17 inches Wide, 7½ inches Deep.

KEEN KUTTER*

No. K7—KEEN KUTTER* Wall Cabinet, Complete with 44 Highest Grade Tools, etc..... Each \$40.00

Contents of No. K7 KEEN KUTTER* Tool Cabinet:

- | | |
|--|--|
| 1 KEEN KUTTER Jack Plane No. KJ. | 1 KEEN KUTTER Riveting Hammer No. KR0. |
| 1 KEEN KUTTER Block Plane No. KK9½. | 1 KEEN KUTTER Awl & Tool Set No. 50. |
| 1 KEEN KUTTER Hand Saw No. 88, 26 inch. | 1 KEEN KUTTER Glass Cutter No. 10. |
| 1 KEEN KUTTER Compass Saw No. 93, 12 inch. | 1 KEEN KUTTER Blue Brand Screw Driver No. 615, 3 inch. |
| 1 KEEN KUTTER Nail Hammer No. K12. | 1 KEEN KUTTER Blue Brand Screw Driver No. 615, 6 inch. |
| 1 KEEN KUTTER Shingling Hatchet No. KNS/1. | 1 KEEN KUTTER Blue Brand Scratch Awl No. 111. |
| 1 KEEN KUTTER Ratchet Brace, 8 inch. | 1 KEEN KUTTER Blue Brand Brad Awl, No. 110. |
| 1 KEEN KUTTER Special Auger Bit No. KS, ¾ inch. | 1 KEEN KUTTER Nail Set No. 200. |
| 1 KEEN KUTTER Special Auger Bit No. KS, ½ inch. | 1 KEEN KUTTER Blue Brand Try Square No. 120, 6 inch. |
| 1 KEEN KUTTER Special Auger Bit No. KS, ¼ inch. | 1 Sliding T Bevel. |
| 1 KEEN KUTTER Gimlet Bit, German Pattern, 4-32 inch. | 1 Marking Gauge. |
| 1 KEEN KUTTER Gimlet Bit, German Pattern, 8-32 inch. | 1 Coping Saw No. 100. |
| 1 KEEN KUTTER Drawing Knife, 8 inch. | 1 Sure Grip Wrench No. 40. |
| 1 KEEN KUTTER Special Soc. Fir. Chisel No. SA, ¼ inch. | 1 E. C. Simmons' Carpenters' Pencil No. 107. |
| 1 KEEN KUTTER Special Soc. Fir. Chisel No. SA, ½ inch. | 1 E. C. Simmons' Redline Rule No. 639. |
| 1 KEEN KUTTER Special Soc. Fir. Chisel No. SA, 1 inch. | 1 Rosewood Level. |
| 1 KEEN KUTTER Soc. Fir. Gouge, ½ inch. | 1 KEEN KUTTER Cabinet Scraper, 3x5 inch. |
| 1 KEEN KUTTER Oil Stone, Mounted, No. KM6. | 1 Pair Malleable Carriage Clamps. |
| 1 KEEN KUTTER Countersink Bit No. 113. | 1 Brass Plated Oiler |
| 1 KEEN KUTTER Blue Brand Screw Driver Bit No. 103. | 6 Sheets KEEN KUTTER Sand Paper, Assorted. |
| 1 KEEN KUTTER Mill File, 8 inch, with Handle. | 1 2-oz. Can Klincher Glue. |
| 1 KEEN KUTTER Special Slim Taper File, 5½ inch, with Handle. | 1 Spool Wire |
| 1 KEEN KUTTER Blue Brand Steel Square No. K10. | 1 Package Assorted Screws. |
| 1 KEEN KUTTER Blue Brand Divider No. 691, 6 inch. | 1 Package Assorted Nails and Brads. |
| 1 KEEN KUTTER Combination Plier, Nickel Plated, No. 160 | 1 Package Tacks. |

Weight of Cabinet with Tools about 57 lbs.; Crated 72 lbs.

One in a Crate.

TRADE MARK:
E. C. SIMMONS' **KEEN KUTTER**,
REGISTERED.

TOOL CABINETS.



KEEN KUTTER*

Heavy Oak Wall Cabinet, with Paneled Box Door; Inside Drawer, 3 inches Deep; Antique Finish, Finely Varnished and Hand Rubbed; Brass Plated Steel Hinges and Hasp; Two Brass Hangers on Back; Polished Brass Padlock, with Two Steel Keys; Complete with Outfit of Highest Grade Tools.

Dimensions of Cabinet:

Outside 26 inches High, 17½ inches Wide, 9 inches Deep. Inside 24½ inches High, 16 inches Wide, 7½ inches Deep.

No. K5—KEEN KUTTER* Wall Cabinet, Complete with 30 Highest Grade Tools, etc. Each \$24.00

Contents of No. K5 KEEN KUTTER* Tool Cabinet:

- 1 KEEN KUTTER Jack Plane No. KJ.
- 1 KEEN KUTTER Block Plane No. KK120.
- 1 KEEN KUTTER Hand Saw No. 88, 20 inch.
- 1 KEEN KUTTER Pad Saw No. KP.
- 1 KEEN KUTTER Blue Brand Nail Hammer No. B12.
- 1 KEEN KUTTER Shingling Hatchet No. KS/1.
- 1 KEEN KUTTER Brace, 8 inch.
- 1 KEEN KUTTER Special Auger Bit No. KS, ¾ inch.
- 1 KEEN KUTTER Special Auger Bit No. KS, ½ inch.
- 1 KEEN KUTTER Special Auger Bit No. KS, ¼ inch.
- 1 KEEN KUTTER Butt Chisel No. E, ½ inch.
- 1 KEEN KUTTER Butt Chisel No. E, 1 inch.
- 1 KEEN KUTTER Gimlet Bit, German Pattern, 4-32 inch.
- 1 KEEN KUTTER Gimlet Bit, German Pattern, 8-32 inch.
- 1 KEEN KUTTER Oil Stone No. K6.
- 1 KEEN KUTTER Mill File, 8 inch, with Handle.
- 1 KEEN KUTTER Special Slim Taper File, 5½ inch, with Handle.
- 1 KEEN KUTTER Nail Set No. 200.

- 1 Pair KEEN KUTTER Comb'n. Pliers No. 269.
- 1 KEEN KUTTER Blue Brand Try Square No. 120, 7½ inch.
- 1 KEEN KUTTER Blue Brand Screw Driver No. 615, 6 inch.
- 1 KEEN KUTTER Blue Brand Divider No. 691, 6 inch.
- 1 KEEN KUTTER Blue Brand Scratch Awl No. 111.
- 1 KEEN KUTTER Blue Brand Brad Awl No. 110.
- 1 KEEN KUTTER Awl and Tool Set No. 59.
- 1 KEEN KUTTER Cabinet Scraper, 3x5 inch.
- 1 E. C. Simmons' Carpenters' Pencil No. 107.
- 1 E. C. Simmons' Redline Rule No. 630.
- 1 Rosewood Level.
- 1 Marking Gauge.
- 1 Brass Plated Oiler
- 1 2-oz. Can Klincher Glue.
- 4 Sheets KEEN KUTTER Sand Paper, Assorted.
- 1 Spool Wire No.
- 1 Package Assorted Screws.
- 1 Package Assorted Nails and Brads.
- 1 Package Tacks.

Weight of Cabinet with Tools about 50 lbs.; Crated 63 lbs.

One in a Crate.

- 152 -

TRADE MARK:
E. C. SIMMONS' **KEEN KUTTER**,
REGISTERED.

TOOL CABINETS.



KEEN KUTTER*

Heavy Oak Wall Cabinet, with Paneled Door; Antique Finish, Finely Varnished and Hand Rubbed; Brass Plated Steel Hinges and Hasp; Two Brass Hangers on Back; Polished Brass Padlock, with Two Steel Keys; Complete with Outfit of Highest Grade Tools.

Dimensions of Cabinet:

Outside 24 inches High, 16 inches Wide, 6 inches Deep; Inside 22½ inches High, 14½ inches Wide, 4½ inches Deep.

No. K3—**KEEN KUTTER*** Wall Cabinet, Complete with Outfit of 21 Highest Grade Tools, etc. Each \$17.50

Contents of No. K3 **KEEN KUTTER*** Tool Cabinet:

- | | |
|---|--|
| 1 KEEN KUTTER Smooth Plane No. KS. | 1 KEEN KUTTER Awl and Tool Set No. 50. |
| 1 KEEN KUTTER Panel Saw No. 88, 18 inch. | 1 KEEN KUTTER Nail Set No. 200. |
| 1 KEEN KUTTER Blue Brand Nail Hammer No. B12. | 1 KEEN KUTTER Flat Nose Plier No. 089F, 5 inch. |
| 1 KEEN KUTTER Shingling Hatchet No. KS/1. | 1 KEEN KUTTER Cabinet Scraper, 3x5 inch. |
| 1 KEEN KUTTER Brace, 8 inch. | 1 E. C. Simmons' Carpenters' Pencil No. 107. |
| 1 KEEN KUTTER Auger Bit No. K, ¾ inch. | 1 E. C. Simmons' Redline Rule No. 680. |
| 1 KEEN KUTTER Auger Bit No. K, ½ inch. | 1 Marking Gauge. |
| 1 KEEN KUTTER Gimlet Bit, German Pattern, 4-32 inch. | 1 Brass Plated Oiler |
| 1 KEEN KUTTER Butt Chisel No. E, 1 inch. | 1 2-oz. Can Klincher Glue. |
| 1 KEEN KUTTER Oil Stone No. K6. | 1 Spool Wire |
| 1 KEEN KUTTER Blue Brand Try Square No. 120, 6 inch. | 2 Sheets KEEN KUTTER Sand Paper, Assorted. |
| 1 KEEN KUTTER Blue Brand Screw Driver No. 615, 5 inch. | 1 Package Assorted Screws. |
| 1 KEEN KUTTER Mill File, 8 inch, with Handle. | 1 Package Assorted Nails and Brads. |
| 1 KEEN KUTTER Special Silm Taper File, 5½ inch, with Handle. | 1 Package Tacks. |

Weight of Cabinet with Tools about 32 lbs.; Crated 44 lbs.

One in a Crate.

TRADE MARKS!
E. C. SIMMONS' **KEEN KUTTER**;
"BULL DOG,"
REGISTERED

TOOL SETS.



Heavy Ash Case, with Hinged Cover; Antique Finish, Finely Varnished and Hand Rubbed; Brass Plated Steel Hinges and Hasp; Polished Brass Padlock, with Two Steel Keys; Complete with Outfit of Highest Grade Tools.

Dimensions of Case:

Outside 27½ inches Long, 9 inches Wide, 5 inches Deep;
Inside 26 inches Long, 7½ inches Wide, 3½ inches Deep.

KEEN KUTTER*

No. K1—**KEEN KUTTER*** Tool Set, Complete with Outfit of 17 Highest Grade Tools, etc.....\$11.00
Contents of No. K1 **KEEN KUTTER*** Tool Set:

- | | |
|---|---|
| 1 KEEN KUTTER Block Plane No. KK120. | 1 KEEN KUTTER Nail Set No. 200. |
| 1 KEEN KUTTER Blue Brand Nail Hammer No. B12. | 1 KEEN KUTTER Cabinet Scraper, 3x5 inch. |
| 1 KEEN KUTTER Hand Saw No. 88, 18 inch. | 1 E. C. Simmons' Carpenters' Pencil No. 107. |
| 1 KEEN KUTTER Brace, 8 inch. | 1 E. C. Simmons' Redline Rule No. 689. |
| 1 KEEN KUTTER Auger Bit No. K, ¼ inch. | 1 Never Slip Wrench, 8 inch. |
| 1 KEEN KUTTER Auger Bit No. K, ½ inch. | 1 2-oz. Can Klincher Glue. |
| 1 KEEN KUTTER Gimlet Bit, German Pattern, 4-32 inch. | 2 Sheets KEEN KUTTER Sand Paper, Assorted. |
| 1 KEEN KUTTER Butt Chisel No. E, 1 inch. | 1 Spool Wire. |
| 1 KEEN KUTTER Mill File, 8 inch, with Handle. | 1 Coil Picture Wire |
| 1 KEEN KUTTER Special Slim Taper File, 5½ inch, with Handle. | 1 Package Furniture Nails |
| 1 KEEN KUTTER Blue Brand Screw Driver No. 615, 5 inch. | 1 Package Assorted Screws. |
| 1 KEEN KUTTER Flat Nose Plier No. 089F, 5 inch. | 1 Package Assorted Nails and Brads. |
| | 1 Package Tacks. |

Weight of Case with Tools about 18 lbs



BULL DOG*.

Stenciled and Labeled Hardwood Box, Cherry Stained, with Hinged Cover, 2 Hooks and Lock with Key; Complete with Outfit of High Grade Tools; Size of Box (inside measurement) 26 inches Long, 7¼ inches Wide, 3 inches Deep.

No. 96—**BULL DOG***, COMPLETE WITH TOOLS; Weight per set about 17½ lbs.....\$10.00
Per Set

Contents:

- | | |
|---|---|
| 1 only Fast Mail Panel Saw, No. 999, 22 inch. | 1 only Boxwood Rule, No. 61. |
| 1 only Sure Grip Bit Brace, No. N/10. | 1 Set Awls and Tools, No. 5. |
| 1 only Bay State Nail Hammer, No. BS/10½. | 1 only Button's Pattern Cutting Pliers, 6 inch. |
| 1 only American German Pattern Gimlet Bit, ½ inch. | 1 only Standard Screw Driver, No. 1, 5 inch. |
| 4 only Cast Steel Auger Bits (1 each, ¼, ½, ¾ and 1 inch. | 1 only "Leader" Level, No. 150. |
| 1 only CHIPAWAY Bronzed Half Hatchet, No. CH2. | 1 only Iron Block Plane, No. 110B. |
| 1 only Agricultural Wrench, 8 inch. | 1 only CHIPAWAY Oil Stone, ¾ lb. |

TOOL SETS.**IDEAL*.**

Stenciled Hardwood Box, with Hinged Cover and Two Hooks; Complete with Outfit of Standard Grade Tools; Size of Box (inside measurement) 28 inches Long, 7 $\frac{1}{4}$ inches Wide, 3 inches Deep.

Per Set

No. 97—IDEAL, COMPLETE WITH TOOLS; Weight per set about 15 lbs. \$8.00

Contents:

- | | |
|---|--|
| 1 only Fast Mail Panel Saw, No. 999, 22 inch. | 1 only Ohio Falls Bronzed Shingling Hatchet, No. OS/1. |
| 1 only Sure Grip Bit Brace, No. N8. | 1 only Agricultural Wrench, 8 inches. |
| 1 only American German Pattern Gimlet Bit, $\frac{1}{8}$ inch. | 1 only Boxwood Rule, No. 61. |
| 4 only Cast Steel Auger Bits (1 each, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ inch. | 1 only Standard Screw Driver, No. 1, 5 inch. |
| | 1 only Scioto Double Smooth Plane. |

Crated.

CANVAS TOOL BAGS.

No. 5/18.



No. 10.

Heavy White Duck Body; Two Leather Fastening Straps; Bright Buckles; Full Copper Riveted; Heavy Sewed and Reinforced.

SATCHEL PATTERN.

Two Round-sewed Leather Handles; Steel Folding Top Frame, with Lock and Key; Leather Bound Edges; Stiffened and Studded Bottom.

Per Dozen
No. 5/18—18 INCHES LONG, 5 $\frac{1}{2}$ inches Wide, 16 inches Deep; Weight per dozen about 32 lbs. \$27.00

No. 5/20—20 INCHES LONG, 5 $\frac{1}{2}$ inches Wide, 16 inches Deep; Weight per dozen about 39 lbs. 30.00

SHOULDER PATTERN.

13 inch Folding Flap Cover, with Heavy Riveted Duck Carrying Handle; Double Canvas Bottom; Extra Sewed Double Canvas Shoulder Strap, 2 $\frac{1}{2}$ inches Wide, with Leather Strapped Steel Snap Hook and Ring at Each End.

Per Dozen
No. 10—16 INCHES LONG, 6 inches Wide, 18 inches Deep; Weight per dozen about 24 lbs. \$24.00

One Dozen in a Bundle.



BENCHES.

MANUAL TRAINING.



No. T1.

Made of Best Quality Hard Maple, Kiln-dried; 50 inches Long, 32 inches High, 21 inches Wide; Has a Glued-up Top, 2 inches Thick and a Tool Rack for Tools; Has a No. 60 Toles Rapid Acting Vise in front, with 10 inch Jaws which Open 12 inches; Drawers 27 inches Wide, 20 inches Long and 6 inches Deep, fitted with Pulls, Locks and Keys.

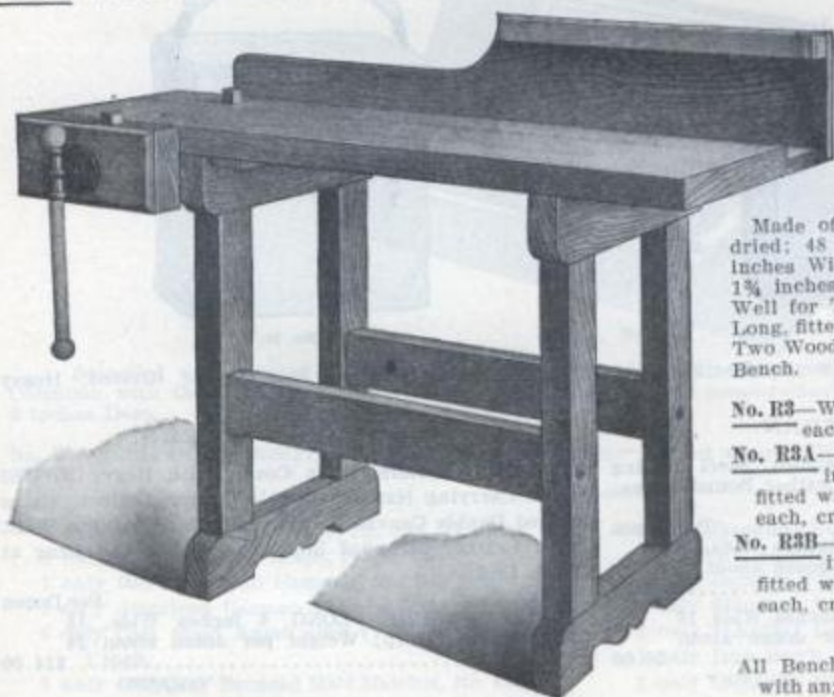
No. T1—WITH ONE DRAWER: Weight each, crated, about 128 lbs.

Each

\$30.00

No. T2—WITH TWO DRAWERS: Weight each, crated, about 140 lbs.

\$5.00



No. R3.

Made of Best Quality Hard Maple, Kiln-dried; 48 inches Long, 32 inches High, 20 inches Wide; Has a 14 inch Glued-up Top, 1 3/4 inches Thick, a Tool Rack and a 6 inch Well for Tools; Wood Front Vise 13 inches Long, fitted with 1 3/4 inch Iron Bench Screw; Two Wood Spring Stops furnished with each Bench.

Each

No. R3—WITHOUT DRAWER; Weight each, crated, about 115 lbs. \$15.00

No. R3A—WITH ONE DRAWER, 24 inches Wide, 6 inches Deep, fitted with Locks and Keys; Weight each, crated, about 135 lbs. 18.00

No. R3B—WITH TWO DRAWERS, 24 inches Wide, 6 inches Deep, fitted with Locks and Keys; Weight each, crated, about 150 lbs. 21.00

One in a Crate.

All Benches on this page can be equipped with any Vise shown on pages 218 and 219.

MT



BENCHES.



MANUAL TRAINING.

Made of Best Quality Hard Maple, Kiln-dried; 34 inches Long, 32 inches High, 18 inches Wide; Has a 12 inch Glued-up Top, 1 3/4 inches Thick, a Tool Rack and a 6 inch Well for Tools; Wood Front and Tail Vises 13 inches Long, with 1 1/4 inch Wood Bench Screws; Three Wood Spring Stops furnished with each Bench.

No. G97—As Described Above; Weight each, crated, about 110 lbs. Each \$15.00

MANUAL TRAINING.

Made of Best Quality Maple, Kiln-dried; 50 inches Long, 32 inches High, 20 inches Wide; Has a 13 inch Glued-up Top, 1 3/4 inches Thick, a Tool Rack and a 7 inch Well for Tools; Wood Front and Tail Vises 13 inches Long, with 1 1/4 inch Wood Bench Screws; Three Wood Spring Stops furnished with each Bench.



No. G40.

No. G40—As Described Above; Weight each, crated, about 110 lbs. Each \$17.00

No. G48—DOUBLE BENCH; Same in General Construction as No. G40, except 33 inches Wide; Has a 12 inch Glued-up Portion on each Side of a 9 inch Well for Tools; Two Front and Two End Vises; Six Wood Spring Stops furnished with each Bench; Weight each, crated, about 170 lbs. 30.00



CABINET MAKERS'.

Made of Best Quality Hard Maple, Kiln-dried; 60 inches Long, 34 inches High, 22 inches Wide; Has a 13 inch Glued-up Top 2 3/4 inches Thick, and a 9 inch Well for Tools; Wood Front and Tail Vises with 1 1/4 inch Wood Bench Screws.

No. G11—As Described Above; Weight each, crated, about 140 lbs. Each \$21.00
One in a Crate.

All Benches on this page can be equipped with any Vise shown on pages 218 and 219.

BENCHES.

MANUAL TRAINING.



No. G42.

Made of Best Quality Hard Maple, Kiln-dried; 50 inches Long, 32 inches High, 20 inches Wide; Has a 13 inch Glued-up Top 1 3/4 inches Thick, a Tool Rack and a 7 inch Well for Tools; Wood Front and Tail Vises 13 inches Long with 1 1/2 inch Wood Bench Screws; Three Drawers 18 inches Long, 18 inches Wide and 3 3/4 inches Deep; Cupboard 18 1/2 inches Long, 14 1/4 inches High and 10 inches Wide; Drawers and Door fitted with Locks and Keys; Three Wood Spring Stops furnished with each Bench.

No. G42—As Described Above; Weight each, crated, about 160 lbs. Each \$30.00

No. G50—DOUBLE BENCH; Same in General Construction as No. G42, except 33 inches Wide; Has a 12 inch Glued-up Portion on Each Side of a 9 inch Well for Tools; Two Front and Two Tail Vises; Single Cabinets, each with Three Drawers and a Cupboard; Drawers 14 inches Long, 15 1/4 inches Wide and 4 inches Deep; Cupboards 15 1/4 inches Long, 14 1/4 inches High and 8 inches Wide; Six Wood Spring Stops furnished with each Bench; Weight each, crated, about 260 lbs. 50.00



Made of Best Quality Hard Maple, Kiln-dried; 50 inches Long, 32 inches High, 20 inches Wide; Has a 13 inch Glued-up Top 1 3/4 inches Thick, a Tool Rack and a 7 inch Well for Tools; No. 7 Herriman Rapid Acting Iron Vise in Front with 7 inch Jaws which Open 8 inches; Drawer 18 inches Long, 30 inches Wide and 6 inches Deep, fitted with Pulls, Lock and Key; One Wood Spring Stop furnished with each Bench.

No. G98—As Described Above; Weight each, crated, about 150 lbs. Each \$27.00

One in a Crate.

All Benches on this page can be equipped with any Vise shown on pages 218 and 219.

BENCHES.

MANUAL TRAINING.



No. R10D.

Made of Best Quality Hard Maple, Kiln-dried; 48 inches Long, 32 inches High, 20 inches Wide; Has a 14 inch Glued-up Maple Top 2 inches Thick, a Tool Rack Flush with Top of Bench, and a 6 inch Well for Tools; Wood Front and Tail Vises with 1 1/4 inch Iron Bench Screws; Three Wood Spring Stops furnished with each Bench.

Each
No. R10—WITHOUT DRAWER; Weight each, crated, about 140 lbs. \$18.00
No. R10D—WITH DRAWER 30 inches Wide, 18 inches Long and 5 inches Deep, with Brass Pulls, Lock and Key; Weight each, crated, about 170 lbs. 22.00

Made of Best Quality Hard Maple, Kiln-dried; 36 inches Long, 32 inches High, 18 inches Wide; Has a 12 inch Glued-up Maple Top 2 inches Thick, a Tool Rack Flush with Top of Bench, and a 6 inch Well for Tools; Wood Front and Tail Vises with 1 inch Iron Bench Screws; Three Wood Spring Stops furnished with each Bench.

Each
No. R10A—WITHOUT DRAWER; Weight each, crated, about 130 lbs. \$16.00
No. R10AD—WITH DRAWER 16 inches Wide, 19 inches Long and 5 inches Deep, with Brass Pulls, Lock and Key; Weight each, crated, about 145 lbs. 19.00



No. R6A.

Made of Best Quality Hard Maple; 48 inches Long, 32 inches High, 20 inches Wide; Has a 14 inch Glued-up Top 1 3/4 inches Thick, a Tool Rack and a 6 inch Well for Tools; Wood Front and Tail Vises 12 inches Long, fitted with 1 1/4 inch Iron Bench Screws; Three Wood Spring Stops furnished with each Bench.

All Benches on this page can be equipped with any Vise shown on pages 218 and 219.

Each
No. R6—WITHOUT DRAWER; Weight each, crated, about 135 lbs. \$16.00
No. R6A—WITH ONE DRAWER 24 inches Wide, 18 inches Long, 6 inches Deep, with Brass Pulls, Lock and Key; Weight each, crated, about 160 lbs. 20.00
 One in a Crate.



BENCHES
BENCHES.

MANUAL TRAINING.



Made of Best Quality Hard Maple, Kiln-dried and Oiled; 48 inches Long, 32 inches High, 22 inches Wide; Has a 1 3/4 inch Glued-up Top 1 1/2 inches Thick, a Tool Rack and a 7 1/2 inch Well for Tools; Iron, Wood Faced Front and Tail Vises with 10 inch Jaws. Each

No. C/21—As Described Above; Weight each, crated, about 100 lbs. \$14.00



No. C/7.
Made of Best Quality Hard Maple, Kiln-dried and Oiled; 42 inches Long, 32 inches High, 20 inches Wide; Has a 1 3/4 inch Glued-up Top, a Tool Rack and a 5 1/2 inch Well for Tools. Each

No. C/7—WITH WOOD FRONT AND TAIL VISES with 10 inch Jaws; Weight each, crated, about 100 lbs. \$13.00

No. C/70—WITH WOOD FRONT VISE ONLY with 10 inch Jaws; Weight each, crated, about 95 lbs. 11.00

One in a Crate.

All Benches on this page can be equipped with any Vise shown on pages 218 and 219.

BENCH PLANES.

MT



BENCHES.

MANUAL TRAINING.



Double Bench; Made of Best Quality Hard Maple, Kiln-dried and Oiled; 48 inches Long, 32 inches High, 36 inches Wide; Has a 13½ inch Glued-up Portion on each side of an 8 inch Well for Tools; Two Front and Two End Wood Visas with 10 inch Jaws.

No. C/14—As Described Above; Weight each, crated, about 150 lbs. Each \$17.50



No. C/15.

Made of Best Quality Hard Maple, Kiln-dried and Oiled; 42 inches Long, 32 inches High, 32 inches Wide; Has a 14 inch Glued-up Top 2¾ inches Thick, a Tool Rack and a 6 inch Well for Tools; a No. 7 Herriman Rapid Acting Vise in Front with 7 inch Jaws which Open 9 inches.

No. C/15—WITHOUT DRAWER; Weight each, crated, about 135 lbs. Each \$16.50

No. C/16—WITH ONE DRAWER 23 inches Wide, 19 inches Long and 6 inches Deep; Weight each, crated about 150 lbs. 18.50

One in a Crate.

All Benches on this page can be equipped with any Vise shown on pages 218 and 219.



BENCHES

BENCHES.

MANUAL TRAINING.



Double Bench; Made of Best Quality Hard Maple, Kiln-dried; Top Shellaced and Cabinet Varnished; 60 inches Long, 32 inches High, 36 inches Wide; Glued-up Top 1 1/2 inches Thick; Two Front Vises No. 20 Abernathy Rapid Acting with 10 inch Jaws; Two Wood Tail Vises with 10 inch Jaws; Single Cabinets each with 3 Drawers and a Cupboard; Drawers 20 inches Long, 16 1/2 inches Wide and 6 inches Deep; Cupboard 6 1/2 inches Long, 17 1/2 inches Wide and 21 inches High; Drawers fitted with Locks and Keys.

No. C/17—As Described Above; Weight each, crated, about 300 lbs Each \$55.00



Made of Best Quality Hard Maple, Kiln-dried; Top Shellaced and Cabinet Varnished; 48 inches Long, 32 inches High, 22 inches Wide; Has a 1 3/4 inch Glued-up Top 1 1/2 inches Thick, a Tool Rack and a 7 1/2 inch Well for Tools; Wood Front and Tail Vises with 10 inch Jaws; 3 Drawers 16 1/2 inches Long, 15 1/2 inches Wide and 4 1/2 inches Deep; One Cupboard 18 inches Long, 9 inches Wide and 18 inches High; Drawers fitted with Locks and Keys.

No. C/13—As Described Above; Weight each, crated, about 150 lbs Each \$23.00

One in a Crate.

All Benches on this page can be equipped with any Vise shown on pages 218 and 219.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

BENCH PLANES.

KEEN KUTTER®

SELECTED AND SEASONED BEECHWOOD, FINELY VARNISHED; Ebonized Hardwood Knobs; Double Cutters, Forged from Highest Grade Crucible Steel, Oil Tempered, Full Polished, Sharpened and Whetted on an Oil Stone by Hand, READY FOR USE.



No. KS—SMOOTH; Length 8 inches; Size of Cutters, Assorted, 2, 2½ and 2¾ inches; Weight each about 2 lbs. \$1.25



No. KHS—HANDLED, SMOOTH; Length 9½ inches; Size of Cutters, Assorted, 2, 2½ and 2¾ inches; Weight each about 2¾ lbs. \$2.00



No. KJ—JACK; Length 15 inches; Size of Cutters, Assorted, 2½ and 2¾ inches; Weight each about 4 lbs. \$1.50



No. KRJ—JACK; RAZEE PATTERN; Length 15 inches; Size of Cutters, Assorted, 2½ and 2¾ inches; Weight each about 3½ lbs. \$1.70



No. KF—FORE; Length 20 inches; Size of Cutters, Assorted 2¾ and 2½ inches; Weight each about 5½ lbs. \$2.25



No. KRF—FORE; RAZEE PATTERN; Length 20 inches; Size of Cutters, Assorted 2¾ and 2½ inches; Weight each about 4¾ lbs. \$2.45



JOINTER; Size of Cutters, Assorted 2½ and 2¾ inches. Each

No. KP20—LENGTH 26 INCHES..... \$2.00

No. KP28—LENGTH 28 INCHES..... 2.20

No. KP30—LENGTH 30 INCHES..... 2.30

Weight Each about 7 lbs.



No. KRP26—JOINTER; RAZEE PATTERN; Length 26 inches; Size of Cutters, Assorted 2½ and 2¾ inches; Weight each about 4¾ lbs. \$2.20

One in a Cardboard Box.

FANCY WOOD PLANES.

BEECHWOOD, PLAIN FINISH; Cutters Forged from Tool Steel, Tempered and Polished; Average Length 9½ inches.

In ordering half pairs of Hollows and Rounds, be careful to give number of Plane, and whether Hollow or Round. For instance, if a Plane as per above cuts is wanted, say "one No. 72, ¾-inch HOLLOW, or one No. 72, ¾-inch ROUND," and thus avoid confusion.

No. 72F—HOLLOWS AND ROUNDS.

Size, inches	Hollow Plane.								Round Plane.			
	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	1 7/8	
Weight per pair about, lbs.	1 1/4	1 1/2	1 3/4	2	2 1/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	
Per pair	\$1.00	1.00	1.00	1.00	1.00	1.15	1.15	1.15	1.15	1.15	1.15	

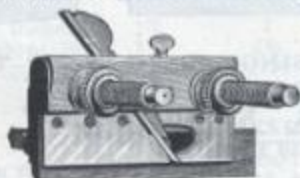


Hollow Plane.



Round Plane.

Each Plane Cuts only
One Size.
Packed Loose.



No. 95—With 8 Cutters, One each, ¼, 5/16, ¾, 7/16, ¾, 7/16, ½, ¾ inch..... \$5.50

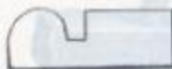


PANEL PLOW.
Each
No. 96½—Handled, with 8 Cutters, One each, ¼, 5/16, ¾, 7/16, ¾, 7/16, ½, ¾ inch..... \$6.50
No. 97—Handled, Box Fence with 8 Cutters, One each, ¼, 5/16, ¾, 7/16, ½, ¾ inch.. 6.85

Packed Loose; Weight Each about 3½ lbs.

FANCY WOOD PLANES.

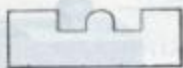
BEECHWOOD, PLAIN FINISH; Cutters Forged from Tool Steel, Tempered and Polished.



BEAD.

No. 37F—Single Beaded.

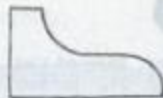
Size, in.	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$
Each.	\$0.50	.50	.50	.50
Size, inches.	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	
Each.	\$0.50	.50	.55	



BEAD.

No. 41F—Double Beaded Center.

Size, in.	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$
Each.	\$0.60	.60	.60
Size, inches.	$\frac{3}{8}$	$\frac{1}{2}$	
Each.	\$0.60	.60	



REVERSE OGEE.

No. 62F.

Size, inches.	$\frac{3}{4}$	$\frac{7}{8}$	1
Each.	\$0.75	.75	.75



ROMAN OGEE, Reverse, with Fence.

No. 62 $\frac{1}{2}$

Size, inches.	$\frac{3}{4}$	1
Each.	\$0.90	.90

Weight Each about 1 lb.

Each Plane Cuts Only One Size.



No. 116—SKEW RABBIT.

Size, inches.	$\frac{3}{4}$	1	$1\frac{1}{4}$
Wgt. each about, lbs.	1	$1\frac{1}{4}$	$1\frac{1}{4}$
Each.	\$0.60	.60	.65
Size, inches.	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Wgt. each about, lbs.	$1\frac{1}{2}$	2	2
Each.	\$0.70	.80	.90



SKEW RABBIT, With Handle and Two Side Cutters.

No. 119—WITH HANDLE ON TOP.

Size, inches.	$1\frac{1}{2}$	2
Each.	\$1.70	1.70

No. 119 $\frac{1}{2}$ —WITH HANDLE ON SIDE.

Size, inches.	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Each.	\$1.90	1.90	1.90

Weight each about 3 lbs.



No. 48F—DADO, With Brass Screw Top.

Size, inches.	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{8}$
Each.	\$1.50	1.50	1.50
Size, inches.	$\frac{3}{4}$	$\frac{7}{8}$	
Each.	\$1.50	1.50	

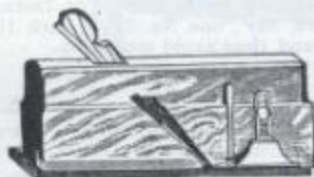
Weight each about $1\frac{1}{4}$ lbs.



No. 75F—MATCH.

Size, in.	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$
Per pair.	\$1.50	1.50	1.50
Size, inches.	$\frac{3}{4}$	1	
Per pair.	\$1.50	1.50	

Weight each about $2\frac{1}{2}$ lbs.



No. 53—FILLETSTER, With Cutter and Brass Side Stop.

Size, inches.	$1\frac{1}{4}$
Each.	\$1.40

Weight each about 3 lbs.



No. 91—NOSING; 2 Irons.

Size, in.	$\frac{3}{4}$	$\frac{7}{8}$	1
Each.	\$1.10	1.10	1.10
Size, in.	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$
Each.	\$1.10	1.10	1.20

Weight each about $1\frac{1}{2}$ lbs.



No. 30F—TOOTH.

Size, inches.	$2\frac{1}{2}$
Each.	\$1.00

Weight each about $1\frac{1}{2}$ lbs.

Packed Loose.

-165-

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

ADJUSTABLE PLANES.

KEEN KUTTER*

SELECTED AND SEASONED BEECHWOOD BOTTOMS; Knobs and Handles, Finely Varnished; Cast Iron Frames Enamelled Black; Full Polished Caps; CUTTERS ARE EXTRA HEAVY, which prevents "Chattering" when used on very hard wood or knots; Made of Highest Grade Crucible Steel, Oil Tempered, Full Polished, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE; Finest Screw and Lever Adjustment.



WOOD BOTTOM.

Nos.	KK23	KK24	Nos.	KK35	KK36
Style	SMOOTH	SMOOTH	Style	HLD. SMOOTH	HLD. SMOOTH
Length, inches	9	8	Length, inches	9	10
Size of Cutter, inches	1 3/4	2	Size of Cutter, inches	2	2 3/4
Weight each about, lbs.	3 3/4	3 3/4	Weight each about, lbs.	3 1/2	4 1/2
Each	\$1.35	1.35	Each	\$1.70	1.85

The Wood Parts are Selected, Well Seasoned and Varnished, will not Crack, Check or Warp.



The Planes which are used on Hard Wood are much more effective if they have a Strong Heavy Thick Cutter, as in the case of our KEEN KUTTER Iron Planes.

WOOD BOTTOM.

Nos.	KK26	KK27	KK28	KK29	KK30	KK31	KK32	KK33
Style	JACK	JACK	FORE	FORE	JOINTER	JOINTER	JOINTER	JOINTER
Length, inches	15	15	18	20	22	24	26	28
Size of Cutter, inches	2	2 1/2	2 3/4	3 1/4	2 3/4	2 3/4	2 3/4	2 3/4
Weight each about, lbs.	4 1/2	5	6 1/4	6 1/2	7	7 1/2	8	8 3/4
Each	\$1.50	1.70	1.85	1.85	2.00	2.00	2.20	2.20

IRON.

FINELY ENAMELED CAST IRON FRAMES; Bottoms Perfectly True and Smooth; Finely Varnished Rosewood Handles and Knobs; Full Polished Caps; CUTTERS ARE EXTRA HEAVY, which prevents "Chattering" when used on very hard wood or knots; Made of Highest Grade Crucible Steel, Oil Tempered, Full Polished, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE; Finest Screw and Lever Adjustments.



Corrugated Bottom.



IRON, SMOOTH BOTTOM.

Nos.	KK3	KK4	KK4 1/2	Nos.	KK5	KK5 1/2	KK6	KK7	KK8
Style	SMOOTH	SMOOTH	SMOOTH	Style	JACK	JACK	FORE	JOINTER	JOINTER
Length, inches	8	9	10	Length, in.	14	15	18	22	24
Size of Cutter, inches	1 3/4	2	2 3/4	Size Cutter, in.	2	2 3/4	2 3/4	2 3/4	2 3/4
Weight each about, lbs.	3 3/4	3 3/4	4 1/2	Wgt. abt., lbs.	4 3/4	5	7	7 1/2	9 3/4
Each	\$2.00	2.20	2.50	Each	\$2.50	2.85	3.20	3.65	4.35

IRON, CORRUGATED BOTTOM.

Nos.	KK3C	KK4C	KK4 1/2 C	Nos.	KK5C	KK5 1/2 C	KK6C	KK7C	KK8C
Style	SMOOTH	SMOOTH	SMOOTH	Style	JACK	JACK	FORE	JOINTER	JOINTER
Length, inches	8	9	10	Length, in.	14	15	18	22	24
Size of Cutter, inches	1 3/4	2	2 3/4	Size Cutter, in.	2	2 3/4	2 3/4	2 3/4	2 3/4
Weight each about, lbs.	3 3/4	3 3/4	4 1/2	Wgt. abt., lbs.	4	5	7	7 1/2	9 3/4
Each	\$2.00	2.20	2.50	Each	\$2.50	2.85	3.20	3.65	4.35

One in a Cardboard Box.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

IRON BLOCK PLANES.

KEEN KUTTER®

FINELY ENAMELED CAST IRON FRAMES and Caps; Bottoms Perfectly True and Smooth; Cutters made of Highest Grade Crucible Steel; Oil Tempered, Full Polished, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE; Finest Screw and Lever Adjustments.



No. KK9 $\frac{1}{2}$ —With Screw, Lever and Throat Adjustments; LENGTH 6 INCHES; Size of Cutter $1\frac{1}{4}$ inches; Weight each about $1\frac{1}{2}$ lbs. \$1.60

No. KK15—With Screw, Lever and Throat Adjustments; LENGTH 7 INCHES; Size of Cutter $1\frac{1}{4}$ inches; Weight each about $1\frac{1}{2}$ lbs. 1.70



No. KK9 $\frac{3}{4}$ —With Screw, Lever and Throat Adjustments; Rosewood Handle; Length 6 in.; Size of Cutter $1\frac{1}{4}$ in.; Weight each about $1\frac{1}{4}$ lbs. \$1.85

The name "KEEN KUTTER" the Wide World over stands for Quality and the Universal Popularity of our "KEEN KUTTER" Planes proves them worthy of the name.



KNUCKLE JOINT. Each
No. KK18—With Screw, Lever and Throat Adjustments; Nickel Plated Trimmings; Length 6 inches; Size of Cutter $1\frac{1}{4}$ inches; Weight each about $1\frac{1}{2}$ lbs. \$1.85

No. KK19—With Screw, Lever and Throat Adjustments; Nickel Plated Trimmings; Length 7 inches; Size of Cutter $1\frac{1}{4}$ inches; Weight each about $1\frac{1}{2}$ lbs. 1.95



No. KK110—NOT ADJUSTABLE; Length $7\frac{1}{2}$ inches; Size of Cutter $1\frac{1}{4}$ inches; Weight each about $1\frac{1}{2}$ lbs. \$0.70



No. KK120—With Lever Adjustment; Length $7\frac{1}{2}$ inches; Size of Cutter $1\frac{1}{4}$ inches; Weight each about $1\frac{1}{4}$ lbs. \$0.95



No. KK102—NOT ADJUSTABLE; Length $5\frac{1}{2}$ inches; Size of Cutter $1\frac{1}{4}$ inches; Weight each about 1 lb. \$0.55



No. KK102—With Lever Adjustment; Length $5\frac{1}{2}$ inches; Size of Cutter $1\frac{1}{4}$ inches; Weight about 1 lb. \$0.70



DOUBLE ENDER. Each
No. KK130—REVERSIBLE; NOT ADJUSTABLE; Length 8 inches; Size of Cutter $1\frac{1}{4}$ inches; Weight each about 2 lbs. \$1.00



No. KK220—With Screw Adjustment; Length $7\frac{1}{2}$ inches; Size of Cutter $1\frac{1}{4}$ inches; Weight about $1\frac{1}{2}$ lbs. \$0.95



LOW ANGLE. Each
No. KK60—With Screw Adjustment; LENGTH 6 INCHES; Size of Cutter $1\frac{1}{2}$ inches; Weight each about $1\frac{1}{4}$ lbs. \$1.75
No. KK65—With Screw Adjustment; LENGTH 7 INCHES; Size of Cutter $1\frac{1}{4}$ inches; Weight each about $1\frac{1}{4}$ lbs. 1.90



RABBIT AND BLOCK. Each
No. KK140—With Lever Adjustment; Length 7 inches; Size of Cutter $1\frac{1}{4}$ inches; Weight each about $1\frac{1}{2}$ lbs. \$1.60

One in a Cardboard Box.

-166 A-

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

ADJUSTABLE PLANES.

KEEN KUTTER*, IRON.

Cast Iron Frames; Bottoms Perfectly True and Smooth; Cutters Made of Highest Grade Crucible Steel, Oil Tempered; Full Polished, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE.

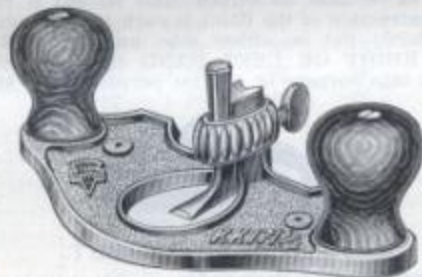


ROUTER.

No. KK71—Nickel Plated Frame; Length 7½ inches; Two Cutters, Size ¼ and ½ inch; Weight each about 2½ lbs. \$1.85

The Cutters can be Clamped to the Back of Upright Post and Outside of Stock; in this position THEY WILL REACH INTO CORNERS, route out mortises or smooth surfaces hard to reach with other tools.

The Small Attachment in cut is furnished with each Plane and can be substituted for the Collar that holds the Cutter when the work requires a Plane with a Closed Throat.



ROUTER, WITH CLOSED THROAT.

No. KK171½—Nickel Plated Frame; Length 7¾ inches; Two Cutters, Size ¼ and ½ inch; Weight each about 2 lbs. \$1.50



VENEER SCRAPER.

No. KK212—With Screw Adjustment; Adjustable to Any Angle; Finely Varnished Handles; Length 5¾ inches; Size of Cutter 3 inches; Weight each about 1 lb. \$2.25

Takes same Cutters as Scraper Plane No. KK312, shown on this Page.



IMPROVED SCRUB.

No. KK240—NOT ADJUSTABLE; Length 9½ inches; Size of Cutter 1¾ inches; Weight each about 2 lbs. \$1.00

This Plane is Particularly Adapted for Roughing down work before using a Jack or other Plane, having a Single Iron with Cutting Edge Rounded.



SCRAPER.

No. KK312—With Screw Adjustment; Knob and Handle Finely Varnished; Length 9 inches; Size of Cutter 3 inches; Weight each about 4½ lbs. \$2.00

Extra Cutters for No. KK312 Scraper; Size 3 inches; Weight each about ¼ lb.20

One in a Cardboard Box.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

ADJUSTABLE PLANES.

KEEN KUTTER*, IRON.

FINELY ENAMELED CAST IRON FRAMES; Bottoms Perfectly True and Smooth; Cutters made of Highest Grade Crucible Steel, Oil Tempered, Full Polished, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE.



CARRIAGE MAKERS' RABBET.

Finely Varnished Rosewood Handles and Knobs; Full Polished Caps; CUTTERS ARE EXTRA HEAVY, which prevents "CHATTERING" WHEN USED ON VERY HARD WOOD OR KNOTS.

- Each
- No. KK10½—With Screw and Lever Adjustments; Length 9 inches; Size of Cutter 2½ inches; Weight each about 3½ lbs. \$2.50
- No. KK10—With Screw and Lever Adjustments; Length 13 inches; Size of Cutter 2½ inches; Weight each about 4¼ lbs. 3.00



RABBET, WITH SPUR.

- Each
- No. KK190—NOT ADJUSTABLE; Length 8 inches; Width of Cutter 1½ inches; Weight each about 2½ lbs. \$1.15
- No. KK191—NOT ADJUSTABLE; Length 8 inches; Width of Cutter 1¼ inches; Weight each about 2¼ lbs. 1.15
- No. KK192—NOT ADJUSTABLE; Length 8 inches; Width of Cutter 1 inch; Weight each about 2 lbs. 1.15

Will lie perfectly flat on either side, and CAN BE USED WITH RIGHT OR LEFT HAND equally well, while planing into corners or against perpendicular surfaces.



RABBET AND FILLETSTER.

- Each
- No. KK78—Length 8¾ inches; Size of Cutter 1½ inches; Weight each about 2½ lbs. \$1.50

By removing the Arm to which the Fence is secured, a Handled Rabbet Plane is had, with Two Seats for the Cutter, to be used as a Bull Nose Rabbet if required. The construction of the Stock is such that the plane will lie perfectly flat on either side, and CAN BE USED WITH RIGHT OR LEFT HAND equally well while Planing into corners or against perpendicular surfaces.



BULL NOSE RABBET.

- Each
- No. KK75—NOT ADJUSTABLE; Length 4 inches; Size of Cutter 1 inch; Weight each about ¾ lb. \$0.55



STEEL CIRCULAR.

- Each
- No. KK115—With Screw and Lever Adjustments; Full Polished Caps; CUTTERS ARE EXTRA HEAVY, which prevents "CHATTERING" WHEN USED ON VERY HARD WOOD OR KNOTS; Length 10 inches; Size of Cutter 1½ inches; Weight each about 3¼ lbs. \$2.75

One in a Cardboard Box.

-167-

TRADE MARK
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

±EXTRA PARTS FOR KEEN KUTTER* PLANES.

FOR ILLUSTRATION OF PARTS SEE PAGE 166C.

±FOR KEEN KUTTER* WOOD BOTTOM PLANES.

For Planes Number	±Bottom No. 15	±Frog Complete No. 7	±Cap No. 8	±Handle No. 11	±Knob No. 13	±Handle Bolt No. 12	±Adjusting Nut No. 8	±Top Casting No. 16	±Frog Screw No. 37	±Cap Screw No. 10
KK23	Each \$0.75	Each \$0.55	Each \$0.35	Each	Each \$0.20	Each \$0.10	Each \$0.15	Each \$0.35	Dozen \$0.70	Dozen \$0.70
KK24	.75	.55	.35		.20	.10	.15	.35	.70	.70
KK26	.90	.55	.35	\$0.20	.20	.10	.15	.35	.70	.70
KK27	.90	.55	.35	.20	.20	.10	.15	.35	.70	.70
KK28	1.25	.55	.35	.20	.20	.10	.15	.35	.70	.70
KK29	1.25	.55	.35	.20	.20	.10	.15	.35	.70	.70
KK30	1.48	.55	.35	.20	.20	.10	.15	.35	.70	.70
KK31	1.48	.55	.35	.20	.20	.10	.15	.35	.70	.70
KK32	1.55	.55	.35	.20	.20	.10	.15	.35	.70	.70
KK33	1.55	.55	.35	.20	.20	.10	.15	.35	.70	.70
KK35	.75	.55	.35	.20	.20	.10	.15	.35	.70	.70
KK36	.90	.55	.35	.20	.20	.10	.15	.35	.70	.70

±FOR KEEN KUTTER* BLOCK PLANES.

For Planes Number	±Bottom No. 20	±Bottom No. 21	±Cap No. 24	±Knob No. 25	±Knob No. 35	±Adjust- ing Frog No. 31	±Adjust- ing Lever No. 28	±Adjust- ing Lever No. 41	±Mouth No. 22	±Throat Adj. No. 28	±Adjust- ing Screw No. 20	±Lateral Adj. Lever No. 33	±Adjust- ing Nut No. 40
KK91 _a	Each \$1.20	Each \$1.20	Each \$0.20	Each \$0.15	Each \$0.15	Each	Each \$0.10	Each \$0.10	Each \$0.25	Each \$0.20	Each	Each \$0.20	Each \$0.20
KK91 _b	1.20	1.20	.20	.15	.15		.10	.10	.25	.20		.20	.20
KK15	1.30	1.30	.20	.15	.15		.10	.10	.25	.20		.20	.20
KK18	1.20	1.20	.40	.15	.15		.10	.10	.25	.20		.20	.20
KK19	1.20	1.20	.40	.15	.15		.10	.10	.25	.20		.20	.20
KK60	1.10	1.10	.30	.20	.20	.20			.25	.20	.20		
KK65	1.30	1.30	.30	.20	.20	.20			.25	.20	.20		
KK102	.30	.30	.20										
KK103	.45	.45	.20				.10	.10					
KK110	.50	.50	.20	.20	.20								
KK120	.60	.60	.20	.20	.20		.10	.10					
KK130	.60	.60	.20	.20	.20								
KK140	1.30	1.30	.30	.20	.20		.10	.10					
KK220	.60	.60	.20	.20	.20	.20					.20		

±FOR KEEN KUTTER* CIRCULAR PLANES.

For Plane Number	±Bottom	±Frog Complete	±Cap	±Handle	±Top Casting	±Adjusting Nut	±Frog Screw	±Cap Screw
KK115	Each \$0.65	Each \$0.40	Each \$0.25	Each \$0.15	Each \$1.10	Each \$0.08	Dozen \$0.40	Dozen \$0.40

±FOR KEEN KUTTER* IRON RABBIT PLANES.

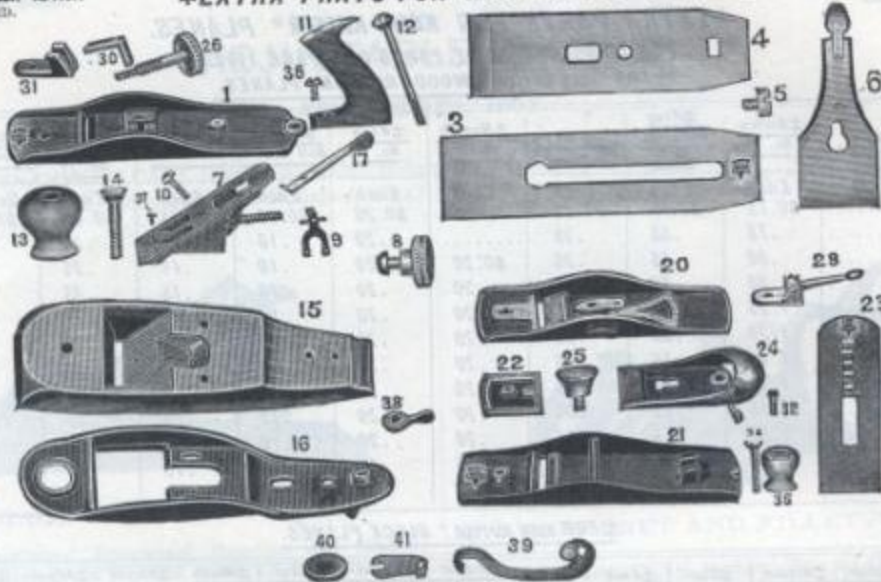
For Planes Number	±Bottom	±Cap	±Depth Gauge	±Fence	±Spurs and Screws
KK190	Each \$0.90	Each \$0.10	Each \$0.20	Each	Dozen \$0.60
KK191	.90	.10	.20		.60
KK192	.90	.10	.20		.60
KK18	1.00	.10	.20	.25	.60

Packed Loose.

In ordering above Parts be particular to give Number of Plane for which Part is wanted.
Extra Parts can be sent by Mail or Express at slight cost.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

±EXTRA PARTS FOR KEEN KUTTER* PLANES.



LIST SHOWING NAMES OF DIFFERENT PARTS.

PARTS OF KEEN KUTTER* ADJUSTABLE IRON AND WOOD BOTTOM PLANES.

- No. 1—Bottom (Iron Plane).
- No. 3—Plane Iron.
- No. 4—Plane Iron Cap.
- No. 5—Plane Iron Screw.
- No. 6—Cap.
- No. 7—Frog.
- No. 8—Brass Adjusting Nut.
- No. 9—Y** Adjusting Lever.
- No. 10—Cap Screws.
- No. 11—Handle.
- No. 12—Handle Bolt.
- No. 13—Knob.
- No. 14—Knob Bolt.
- No. 15—Bottom (Wood Plane).
- No. 16—Top Casting (Wood Plane).
- No. 17—Lateral Adjusting Lever.
- No. 36—Handle Screw.
- No. 37—Frog Screw.

PARTS OF KEEN KUTTER* BLOCK PLANES.

- No. 20—Bottom (Adjustable Throat).
- No. 21—Bottom.
- No. 22—Mouth Piece.
- No. 23—Plane Iron.
- No. 24—Cap.
- No. 25—Brass Knob.
- No. 26—Adjusting Screw.
- No. 28—Adjusting Lever.
- No. 30—Sliding Lever.
- No. 31—Adjustable Frog.
- No. 32—Cap Screw.
- No. 34—Knob Bolt.
- No. 35—Wood Knob.
- No. 38—Throat Adjusting Lever.
- No. 39—Lateral Adjusting Lever.
- No. 40—Adjusting Nut.
- No. 41—Longitudinal Adjusting Lever.

±FOR KEEN KUTTER* IRON PLANES.

For Planes Number	±Bottom No. 1	±Frog Complete No. 7	±Cap No. 4	±Handle No. 11	±Knob No. 13	±Handle Bolt No. 14	±Adjusting Nut No. 8	±Frog Screw No. 37	±Cap Screw No. 10
	Each	Each	Each	Each	Each	Each	Each	Dozen	Dozen
KK3 or KK3C	\$1.80	\$0.65	\$0.45	\$0.35	\$0.27	\$0.10	\$0.15	\$0.70	\$0.70
KK4 or KK4C	1.80	.65	.45	.35	.27	.10	.15	.70	.70
KK4 ¹ / ₂ or KK4 ¹ / ₂ C	2.20	.65	.45	.35	.27	.10	.15	.70	.70
KK5 or KK5C	2.20	.65	.45	.35	.27	.10	.15	.70	.70
KK5 ¹ / ₂ or KK5 ¹ / ₂ C	2.20	.65	.45	.35	.27	.10	.15	.70	.70
KK6 or KK6C	3.00	.65	.45	.35	.27	.10	.15	.70	.70
KK7 or KK7C	4.25	.65	.45	.35	.27	.10	.15	.70	.70
KK8 or KK8C	5.25	.65	.45	.35	.27	.10	.15	.70	.70
KK10	3.00	.65	.45	.35	.27	.10	.15	.70	.70
KK10 ¹ / ₂	2.75	.65	.45	.35	.27	.10	.15	.70	.70
KK212	2.20	.65	.45	.35	.27	.10	.15		
KK312	2.20	.65	.35	.35	.27	.10			
KK240	1.25		.20	.30	.27	.10			

Packed Loose.

In Ordering above Parts be particular to give Number of Plane for which Part is wanted.
Extra Parts can be sent by Mail or Express at slight cost.

ADJUSTABLE PLANES.

STANLEY'S.



CAST IRON FRAMES AND CAPS; Tempered and Polished Tool Steel Cutters.

CHAMFER.

Each

No. 72—Japanned; Length 9 inches; Size of Cutter 1 1/8 inches; Weight each about 3 1/2 lbs. \$2.20



CHAMFER.

Each

No. 72 1/2—Japanned, WITH BEADING AND MOULDING ATTACHMENT; Length 9 inches; Size of Cutter 1 1/8 inches; Weight each about 4 1/4 lbs. \$3.30



COMBINED BEADING AND MATCHING.

Each

No. 50—NICKEL PLATED; Length 9 inches, Includes Beading Cutters 3/8, 5/16, 3/4, 5/16, 3/4, 7/16 and 1/2 inch, and One Pair of 1/4 inch Matching Cutters; Weight each about 3 lbs. \$4.50
One in a Cardboard Box.



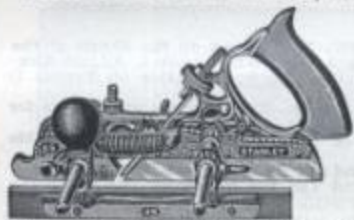
TONGUING AND GROOVING.

Each

No. 48—NICKEL PLATED; Length 10 1/2 inches; for Boards 3/4 to 1 1/4 inches Thick; Weight each about 3 lbs. \$2.75
One in a Cardboard Box.

COMBINED.

NICKEL PLATED CAST IRON FRAMES; Mahogany Handles, Tempered and Polished Tool Steel Cutters. STANLEY'S BEADING, Rabbet and Slitting. TRAUT'S ADJUSTABLE DADO, PLOW, etc.



No. 45—Length 11 inches; Weight each about 9 1/4 lbs. \$9.00
This Plane embraces a Beading and Center Beading Plane, Rabbet and Filletster, Dado, Plow, Matching

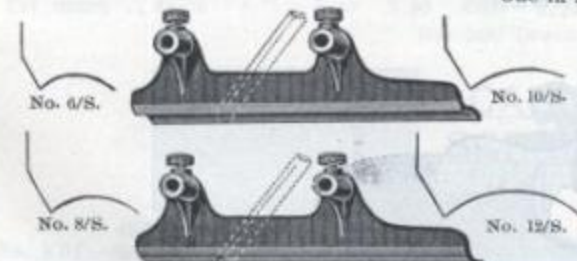
Plane, Superior Slitting Plane and Sash Plane. Each Plane has Seven Beading Tools (3/8, 5/16, 3/4, 5/16, 3/8, 7/16, and 1/2 inch); Ten Plow and Dado Bits (3/8, 5/16, 3/4, 5/16, 3/8, 7/16, 1/2, 3/8, 1/2 and 3/4 inch); a Slitting Blade, a Sash Tool and Tonguing Tool.

Planes Nos. 45 and 46 combine a Main Stock and a Sliding Section so arranged that Cutters of Different Widths can be used. Each Plane is fitted with Adjustable Fence or Guide and a Depth Gauge, and also with Spurs for use in working across the Grain.

One in a Wood Box.



No. 46—Length 10 inches; Weight each about 5 1/2 lbs. \$8.00
Complete with Eight Plow and Dado Bits (5/16, 3/4, 5/16, 3/8, 1/2, 3/8, 1/2, and 3/4 inch), a Filletster Cutter, a Tonguing Tool and a Slitting Tool.

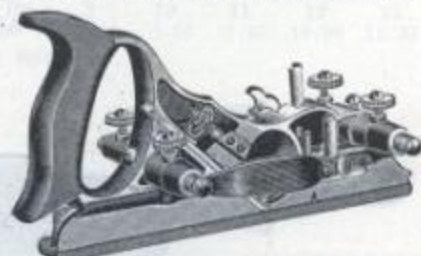


HOLLOWS AND ROUNDS.

Japanned Cast Iron, Polished Faces, Steel Set Screws. For use on Stanley's Plane No. 45.

Nos.	6/S	8/S	10/S	12/S
Cutter, wide, inch	1/2	3/4	1	1 1/4
Works, circle, inch	3/8	1	1 1/4	1 3/4
Per pair	\$1.50	1.50	1.50	1.50

One in a Cardboard Box; Weight each about 2 lbs.



SIEGLEY'S COMBINED.

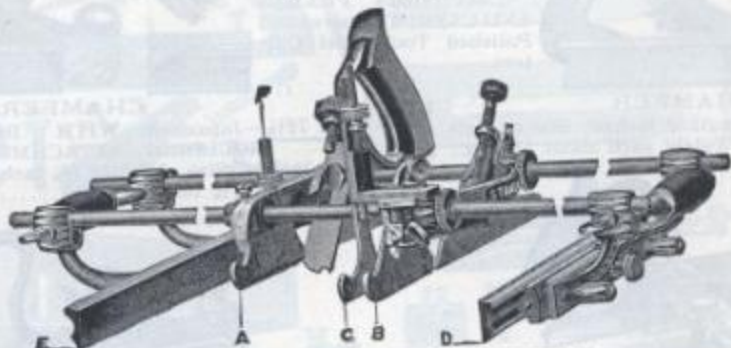
Each

No. 2/S(—NICKEL PLATED Cast Iron Frame; Mahogany Handle; Steel Adjusting Screws; Tempered and Polished Tool Steel Cutters; Weight each about 7 1/2 lbs. \$8.00
This Tool is a Combination Plow, Dado, Side and Center Bead Plane. It includes the following Bits: Plow Bits, 5/16, 3/4, 5/16, 3/8, 7/16, 1/2, 3/8, 1/2 inch; Bead Plane Bits, 5/16, 3/4, 5/16, 3/8, 7/16, 1/2 inch; Match Bit, 3/8 inch. One in a Wood Box.

ADJUSTABLE PLANES.

COMBINED.

This Tool, in the Hands of an Ordinary Carpenter, can be Used for All Lines of Work covered by a full assortment of so-called Fancy Planes.



STANLEY'S PATENT UNIVERSAL.

Each
No. 55—NICKEL PLATED CAST IRON FRAME; Mahogany Handles; Steel Adjusting Screws; With 52
Tempered and Polished Tool Steel Cutters; Weight each about 15½ lbs.....\$18.00

The 52 Cutters are arranged in four separate cases.

This Plane consists of:—
A Main Stock (A) with Two Sets of Transverse Sliding Arms, a Depth Gauge (F) Adjusted by a Screw, and a Slitting Cutter with Stop.
A Sliding Section (B), with a Vertically Adjustable Bottom.
The Auxiliary Center Bottom (C) is to be Placed in Front of the Cutter, as an Extra Support, or Stop, when needed. This Bottom is Adjusted both Vertically and Laterally.
Fences (D) and (E). Fence D has a Lateral Adjustment by means of a Screw, for Extra Fine work. The Fences can be Used on Either Side of the Plane, and the Rosewood Guides can be Tilted to Any Desired Angle, Up to 45 degrees, by Loosening the Screws on the Face. Fence (E) can be Reversed for Center Beading Wide Boards.
An Adjustable Stop to be used in Beading the Edges of Matched Boards is Inserted on Left Hand Side of Sliding Section (B).

Directions:

Moulding Plane.—Insert the Desired Cutter, and Adjust Bottom of Sliding Section (B) to Conform to the Shape of the Cutter, then Fasten this Section Firmly by means of the Check-Nuts on the Transverse Arms. When needed, Adjust Auxiliary Center Bottom (C) for an Additional Support in Front of the Cutter. By Tilting the Rosewood Guides on Fences D and E, Mouldings of Various Angles may be formed.
Match, Sash, Beading, Reeding, Fluting, Hollow, Round Plow, Rabbet and Filletster Plane.—Use in same manner as for Mouldings. In working Match and Sash Cutters, the Auxiliary Center Bottom (C) may be Used as a Stop.
Dado.—Remove the Fences (D and E) and Set the Spurs Parallel with the Edges of Cutter. Insert Long Adjustable Stop on Left Hand Side of Sliding Section.
Slitting Plane.—Insert the Cutter and Stop on Right Hand Side of the Main Stock and use Fence D or E for Guide.
Chamfer.—Insert the Desired Cutter, Fasten a Fence on Each Side of the Plane and Tilt the Rosewood Guides to the Desired Angle.

ROUTERS.

PATTERN MAKERS'.



Gray Iron, Japanned Finish.

No. 1—¾ inch Tempered Tool Steel Cutter; Length over all 7½ inches; 2½ inches Wide; Weight per dozen
about 11½ lbs. Per Dozen \$12.00

One-twelfth Dozen in a Cardboard Box.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER;
REGISTERED.

PLANE IRONS.



Made
Extra
Heavy
for use
on Very
Hard
Wood
or Knots.



KEEN KUTTER*

FORGED FROM HIGHEST GRADE CRUCIBLE STEEL, EXTRA HEAVY, which Prevents "Chattering;" Oil Tempered, Full Polished, SHARPENED AND WHETTED ON AN OIL STONE BY HAND, READY FOR USE.

SINGLE OR CUT; for KEEN KUTTER* Wood Bottom and Iron Planes.

No. KC—KEEN KUTTER*.

Size, inches	1½	2	2¼	2½	2¾	3
Weight per dozen about, lbs.	4	5	5½	5¾	6¼	8
Per dozen	\$4.40	4.70	5.10	5.40	5.80	6.70

One-half Dozen in a Wood Box.

DOUBLE; for KEEN KUTTER* Iron Planes.

No. KID—KEEN KUTTER*.

Size, inches	1½	2	2¼	2½	2¾	3
Weight per dozen about, lbs.	7¾	9	10	11¼	12¾	15
Per dozen	\$7.20	7.50	8.20	8.70	10.20	12.00

One-quarter Dozen in a Wood Box.

DOUBLE; for KEEN KUTTER* Wood Bottom Planes.

No. KWD—KEEN KUTTER*.

Size, inches	1½	2	2¼	2½	2¾	3
Weight per dozen about, lbs.	7¾	8¾	9¾	11¼	12	12
Per dozen	\$7.20	7.50	7.80	8.70	10.20	10.20

One-quarter Dozen in a Wood Box.



Highest
Grade
Tool Steel,
Carefully
Made.



KEEN KUTTER*

SOFT STEEL FORGED BODY, With Highest Grade Crucible Steel Bit, Oil Tempered, Full Polished, SHARPENED AND WHETTED ON OIL STONE BY HAND, READY FOR USE.

Will Fit Wood Bench Planes Only.

No. 10—KEEN KUTTER*; SINGLE OR CUT.

Size, inches	2	2¼	2½	2¾	3	3½
Wgt. per dozen about, lbs.	6¼	7	7¼	7¾	8¼	8¾
Per dozen	\$4.50	4.75	5.10	5.60	6.20	6.70

One-half Dozen in a Wood Box.

No. 12—KEEN KUTTER*; DOUBLE.

Size, inches	2	2¼	2½	2¾	3	3½
Wgt. per dozen about, lbs.	9	10	11	12	13	14
Per dozen	\$8.80	9.10	9.60	10.20	11.25	12.35



CABINET SCRAPERS.



KEEN KUTTER*, FLAT STEEL.

No. KKC—KEEN KUTTER*; Highest Grade Crucible Steel, Oil Tempered and Full Polished.

Size, inches	2x4	2½x5	3x5	3½x6	4x6
Weight per dozen about, lbs.	1½	2	2¾	3½	4
Per dozen	\$1.20	1.20	1.20	2.00	2.00

One Dozen in a Cardboard Box.

No. KK79—KEEN KUTTER*; Black Enamelled Cast Iron Frame; Highest Grade Crucible Steel Cutters; Oil Tempered, Full Polished; SHARPENED AND WHETTED BY HAND ON AN OIL STONE, READY FOR USE; Length 11 inches; Size of Cutter 2¼ inches; Weight each about 1½ lbs.

Each

One in a Cardboard Box.

\$1.00

MT



CABINET SCRAPERS.



STANLEY'S.

Each

No. 83—STANLEY'S; Adjustable; Japanned Cast Iron Frame and Clamp; Hardwood Handles; Polished and Tempered Tool Steel Cutters; Length 9½ inches; Size of Cutters 4 inches; Weight each about 1½ lbs. \$1.00

EXTRA CUTTERS FOR No. 83 SCRAPERS; Size 4 inches; Weight each about ¼ lb.20

Can be Adjusted to Any Desired Pitch; and may be worked toward or from the person using it. Roller acts as a Support to relieve the strain on the wrist and hands of the Workman. Handle can be Detached for Working into Corners.

One in a Cardboard Box.



Per Dozen

No. A1—Mahogany Finish Hardwood Frame, Length 12 inches; Tempered and Polished Tool Steel Blade 2¼x2¾ inches; Nickel Plated Cast Steel Face Plate; Weight per dozen about 12 lbs. \$12.00

One-twelfth Dozen in a Cardboard Box.



Per Dozen

No. 2—Plain Beechwood Handle 12 inches Long; Tempered and Polished Tool Steel Blade 3x3 inches; Malleable Iron Clamp and Screw; Weight per dozen about 9 lbs. \$4.50

Highest Grade French Steel, Tempered and Polished.



Concave and Convex.

No. 20.

Size, inches	2½x5	2½x6	3x5	3x6
Weight per dozen about, lbs.	1½	1½	1½	1½
Per dozen	\$1.80	2.20	2.20	2.65



Swan Neck.

Per Dozen

No. 25—5¼x3¼ inches; Weight per dozen about 1½ lbs. \$2.80

Packed Loose.

VENEER SCRAPERS.



Each

No. 12—Japanned Cast Iron Frame and Clamp; Steel Adjusting Screws; Polished Rosewood Handles; Tempered and Polished Tool Steel Cutters, Adjustable to any Angle; Length 5½ inches; Size of Cutter 3 inches; Weight each about 1 lb. \$2.25

One in a Cardboard Box.

SCRAPERS OR BURNISHERS.



Per Dozen

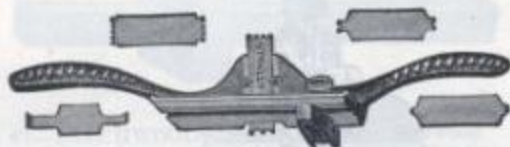
No. 3—Tempered and Polished Tool Steel Oval Blade ¾ inch Wide, 4 inches Long; Polished Applewood Handle with Nickel Plated Brass Ferrule; Length over all 8 inches; Weight per dozen about 1½ lbs. \$3.35

One-half Dozen in a Cardboard Box.



Per Dozen

No. 5—Tempered and Polished Tool Steel Square Blade, 7/32 inch Thick, 4½ inches Long, with Round Point Tapered 1 inch from Tip; Polished Applewood Handle, with Nickel Plated Brass Ferrule; Length over all 9 inches; Weight per dozen about 2 lbs. \$5.00

HAND BEADERS.

Per Dozen

No. 66—STANLEY'S; Nickel Plated Cast Iron
Frame and Handles; Seven Tempered and
Polished Tool Steel Cutters, fitted with Gauge
for Straight or Oval Work; Cutters are Sharp-
ened at Both Ends; Width of Cutters $\frac{1}{4}$ to 1
inch Assorted; Length over all 10 inches;
Weight per dozen about 16 lbs. \$12.00

For Beading, Reeding or Fluting Straight or Irregular Sur-
faces and for all kinds of Light Routing, with Square Gauge
for Straight and an Oval Gauge for Curved Work. Seven
Steel Cutters go with each Tool.

One-twelfth Dozen in a Cardboard Box.

ANGLE DIVIDERS.

A
Handy
Tool
for
Laying
out
Work.

Per Dozen

No. 30—STANLEY'S; Nickel Plated Cast Iron
Frame; Steel Arms and Adjusting Screws;
Length over all $7\frac{1}{4}$ inches; Weight per dozen
about 10 lbs. \$18.00

Graduated for Different Angles. Adapted especially for
Finding and Bisecting Angles, Fitting Mouldings or Other
Woodwork to any Angle; can be used as a Try or "T" Square.

SINGLE HANDED BEADERS.

For Beading, Reeding or Fluting Diagonal Lines, etc.

Per Dozen

No. 69—Cast Iron Frame and Steel Set Screw, Nickel Plated, with Six Assorted Steel Cutters and One
Blank; Hardwood Handle; Width of Blades $1\frac{1}{16}$ inch; Length of Handle $3\frac{1}{2}$ inches; Length over all
 $5\frac{1}{4}$ inches; Weight per dozen about 5 lbs. \$9.00

One-twelfth Dozen in a Cardboard Box.

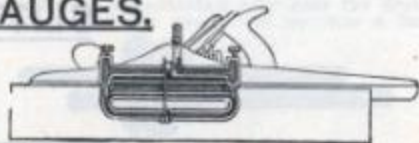
JOINTER GAUGES.

Showing Mode of Adjustments.

Per Dozen

No. 12—PERFECTION; Adjustable; Japanned
Cast Iron Frame; Polished Plate; Length
over all 9 inches; Weight per dozen about
24 lbs. \$18.00
Can be attached to any Iron or Wooden Jack or Jointer
Plane. Adjustable for Squaring, or to Any Desired Bevel.

One-twelfth Dozen in a Cardboard Box.



Per Dozen

No. 333—SHEPARDSON'S; Adjustable; Nickel
Plated Cast Iron Frame; Steel Adjusting
Screws; Length over all 8 inches; Weight per
dozen about 15 lbs. \$24.00
Can be attached to any Iron Jack or Jointer Plane. Ad-
justable for Squaring, or to Any Desired Bevel.

CHAMFER GAUGES.

Per Dozen

No. 30—FOR DRAWING KNIFE, Adjustable;
Nickel Plated Cast Iron Frame; Steel
Graduated Arm and Adjusting Screws; Fits 1
to $1\frac{1}{2}$ inch Blades; Weight per dozen about
6 lbs. \$8.00

One-twelfth Dozen in a Cardboard Box.

RULE GAUGES.

HANDY.

Per Dozen

No. 200—Polished Brass, with Thumb Lever to
Clamp Firmly on Rule; Sliding Bar on
One Side and Point on Reverse Side; 1 inch
Wide, $\frac{1}{4}$ inch Long; Weight per dozen about
7 ounces \$1.80
One Dozen on a Display Card; One Card in a Cardboard
Box.



BIT GAUGES.



No. 49—STANLEY'S ADJUSTABLE; Nickel Plated; Cast Iron Frame; Steel Set Screws; Length 2 1/4 inches; Adjustable to fit any size Bit up to 1 inch in Diameter; Weight per dozen about 4 1/2 lbs. \$7.20

When using this Tool the workman is able to bore any number of holes to a given depth. A stop being placed on both sides of the bit, when the proper depth is reached, the Bit remains upright and does not bend or break the worm. By loosening the Thumb Screws, the Shank of the Bit can be inserted in the Gauge, and the twist of the Bit turned to the required depth.

One-twelfth Dozen in a Cardboard Box.

ADJUSTABLE CHISEL GAUGES.

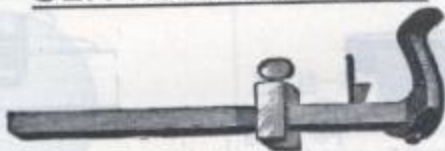


When attached to a 1/4 inch Chisel (with Beveled edge up) a Shaving of Any Desired Thickness can be raised, for Blind Nailing or Inlaying Wood Strips in Ornamental Surface Work.

No. 96—With Steel Stock, Set Screw and Cast Cap; Length 2 1/4 inches; Width 3/8 inch; Weight per dozen about 3/4 lb. \$2.40

One-half Dozen in a Cardboard Box.

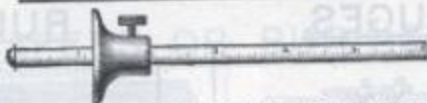
SLITTING GAUGES.



No. 84—Beechwood, Plain Finished; With Roller; 17 inch Bar, Marked in inches and 1/8ths; Length of Head 6 1/2 inches; Weight per dozen about 14 lbs. \$10.00

One-half Dozen in a Cardboard Box.

SCRATCH GAUGES.



Made of Polished Steel, with Hardened Cast Steel Head. The Beam is Graduated in 64ths of an inch. The Marker is a Thin Square Piece of Steel, Nicely Tempered, which is firmly held against the end of Beam, presenting Four Marking Points.

	No. 29.		
Length of Beam, inches.....		5	6
Diameter of Beam, inches		25/64	5/16
Weight each about, ozs.....		4	7
Each		\$1.00	1.25

One in a Cardboard Box.

-182-

MARKING GAUGES.



Marking. Per Dozen

- No. 61**—BEECHWOOD; Plain Finish; Boxwood Thumb Screw; Bar $8\frac{1}{2}$ inches Long; Graduated in inches and 16ths; Tempered Steel Point; Weight per dozen about 3 lbs. \$1.00
One Dozen in a Cardboard Box.

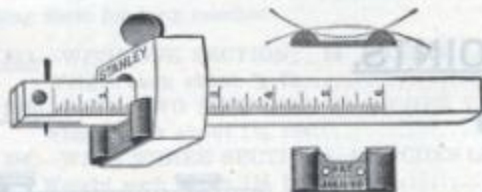


No. 65.

Marking. Per Dozen

- No. 65**—BOXWOOD; Polished; Brass Plate in Head; Brass Thumb Screw and Shoe; Bar $8\frac{1}{2}$ inches long; Graduated in inches and 16ths; Adjustable Tempered Steel Point; Weight per dozen about 4 lbs. \$6.00
One-half Dozen in a Cardboard Box.

- No. 62**—BEECHWOOD, Polished; Boxwood Thumb Screw; Bar $8\frac{1}{2}$ inches Long; Graduated in inches and 16ths; Adjustable Tempered Steel Point; Weight per dozen about 3 lbs. 2.00
One Dozen in a Cardboard Box.



STANLEY'S Improved. Per Dozen

- No. 161**—BEECHWOOD; Plain Finish; Boxwood Thumb Screw; Bar $8\frac{1}{2}$ inches Long; Graduated in inches and 16ths; Tempered Steel Point; Brass Face with Ribs on Head; For use on Concave or Convex Edges. \$2.00
- No. 162**—BEECHWOOD; Same as No. 161 but with Polished Finish and Adjustable Point. 3.00
Weight per dozen about $3\frac{1}{4}$ lbs.
One-half Dozen in a Cardboard Box.



Mortise and Marking. Per Dozen

- No. 77**—ROSEWOOD; Polished; Brass Plate on Head; Brass Thumb Screw and Shoe; Bar $8\frac{1}{2}$ inches Long; Graduated in inches and 16ths; Three Tempered Steel Points; One of which is Adjusted by Thumb Screw at end of Bar; Weight per dozen about 5 lbs. \$10.00
One-half Dozen in a Cardboard Box.



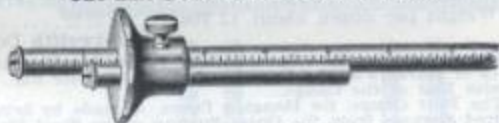
Mortise and Marking. Per Dozen

- No. 72**—BEECHWOOD; Polished; Boxwood Thumb Screw; Double Bar $8\frac{1}{2}$ inches Long; Graduated in inches and 16ths on both sides; Two Tempered Steel Points; Weight per dozen about 4 lbs. \$4.00



STANLEY'S Improved Mortise and Marking. Per Dozen

- No. 177**—ROSEWOOD; Polished; Brass Plate in Head; Brass Thumb Screw and Shoe; Bar $8\frac{1}{2}$ inches Long, Graduated in inches and 16ths; Three Tempered Steel Points, One of which is Adjusted by Thumb Screw at end of Bar; Brass Face with Ribs on Head; For use on Concave or Convex Edges; Weight per dozen about 5 lbs. \$11.00
One-half Dozen in a Cardboard Box.



Mortise and Marking. Per Dozen

- No. 100**—BARRETT'S Improved Combination Roller; Nickel Plated; CAST IRON HEAD; One $8 \times \frac{3}{4}$ -inch Steel Bar; Graduated in inches and 32nds; One $4 \times \frac{3}{4}$ -inch Plain Steel Bar; Tempered Steel Marking Wheels; Steel Thumb Screw; Weight per dozen about 9 lbs. \$10.00
The Steel Points are attached very near the Ends of the Bars, to admit of being used close up into a Rabbet or Corner.



Mortise and Marking. Per Dozen

- No. 91**—STANLEY'S; Nickel Plated CAST IRON HEAD; Steel Bars and Set Screws; Tempered Steel Points; Bars Graduated in inches and 16ths; Length $6\frac{1}{2}$ inches; Weight per dozen about 6 lbs. \$7.80



Butt Gauge. Per Dozen

- No. 95**—STANLEY'S Nickel Plated; CAST IRON Frame; Steel Bars and Set Screws; Tempered Steel Points; Length $2\frac{1}{4}$ inches; Weight per dozen about 6 lbs. \$9.00
Two Bars. One with Two Steel Cutters fixed upon it. When the Cutter at the Outer End of this Bar is Set for Gauging on the Edge of the Door, the Cutter at the Inner End of the Bar is Already Set for Gauging from the Back of the Jamb. The Other Bar has a Steel Cutter to Accurately Gauge for the Thickness of the Butt.
One-twelfth Dozen in Cardboard Box.

2 PANEL GAUGES.

No. 85 1/2—ROSEWOOD; Polished; Brass Thumb Screw and Shoe; Brass Face on Head and Front End of Bar; Tempered Steel Adjustable Point; Length of Bar 20 1/4 inches; Length of Head 7 inches; Weight per dozen about 11 lbs.\$18.00
One-half Dozen in a Cardboard Box.



No. 156—BEECHWOOD; Plain Finish; Boxwood Thumb Screw; Tempered Steel Adjustable Point; Length of Bar 18 inches; Length of Head 6 inches; Weight per dozen about 6 lbs. \$3.20
One Dozen in a Cardboard Box.

BUTT AND RABBET GAUGES.

Cut showing Gauge as used for Doors.



Cut showing Gauge as used for Mortising, etc.

No. 92—STANLEY'S; ROSEWOOD Head; Brass Plates Inserted in Face of Head; Brass Thumb Screw and Screw; Brass Double Bar, Graduated in inches and 16ths. One Bar slides within the Other and is Adjustable by Thumb Screw at end; Tempered Steel Marking Blades; Polished Steel Guide Plate; Weight per dozen about 12 lbs.\$15.00
One-twelfth Dozen in a Cardboard Box.

This Gauge has Two Bars, both of Brass, One Movable within the Other; also Three Blades or Markers. The Two Steel Blades or Markers at the Extreme End of the Inner Bar, can be moved to any position by means of the Thumb Screw at opposite End of the Gauge.

The Butt Gauge, for Hanging Doors, is made by bringing the Markers on the End of the Inner Bar, back of and to any required distance from the Outer Surface of the Steel Plate.

By placing One Edge of a Butt between the Surface of the Head and the Small Blade which stands up back of it, the Exact Thickness of the Butt is ascertained, and can be Accurately Gauged on both the door post and the door. The Movable Steel Plate affords a Perfect Guide for Gauging in, or near Rabbets of all kinds.



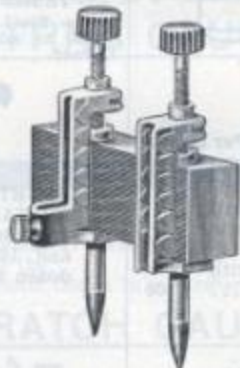
Polished Bronze Metal Frames and Set Screws; Tempered and Polished Steel Points. Per Pair

No. 1—SMALL; Length of Points 1 1/2 inches; Length over all 3 1/2 inches; Weight per pair about 1/4 lb.\$1.20

No. 2—MEDIUM; Length of Points 2 inches; Length over all 4 1/4 inches; Weight per pair about 1/2 lb.1.50

No. 3—LARGE; Length of Points 2 inches; Length over all 4 3/4 inches; Weight per pair about 1 lb.2.10

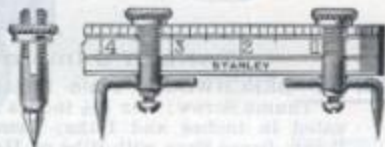
Two Pairs in a Cardboard Box.

TRAMMEL POINTS.

No. 4/S—STANLEY'S; Nickel-Plated Cast Iron Frames; Steel Set Screws; Tempered Steel Points; Length of Points 1 1/2 inches; Length over all 4 1/2 inches; Weight per pair about 1/2 lb.\$0.75

Can be attached to One Side of any Straight Stick, without regard to its Exact Size. The Form of the Socket makes it possible to use an Ordinary Lead Pencil or a Carpenter's Pencil.

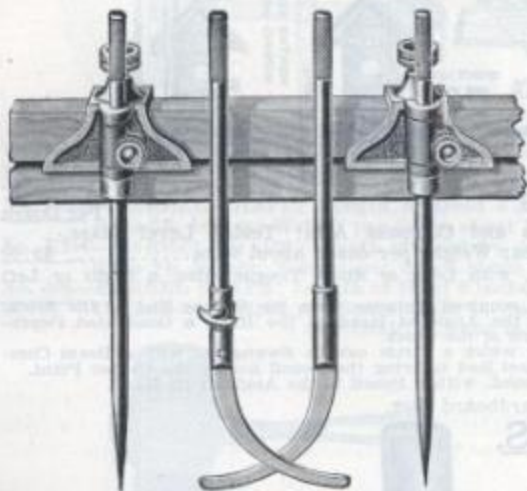
One Pair in a Cardboard Box.



No. 99—SETS; Two Polished Brass Trammel Heads and Set Screws, with Adjustable Tempered and Blued Finished Steel Points; One Brass Pencil Socket Head; Length of Heads 1 1/2 inches; Diameter 5/8 inch; Length of Points 3/4 inch; Weight per set about 2 ounces\$1.00

Can be attached to Folding Rules of Ordinary Width; and on Many Kinds of Work will take the Place of Regular Trammel Points, Callipers or Dividers.

One Set in a Cardboard Box.

EXTENSION TRAMMEL POINTS.

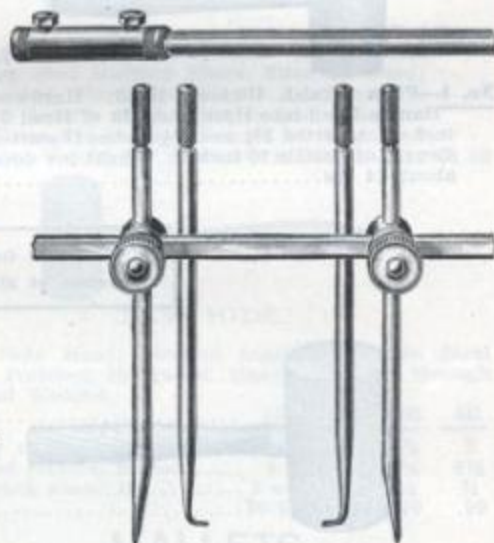
Bronze Frame with Steel Legs and Points, Tempered. The Points are Eccentric and may be Loosened and Rotated in their sockets to make Fine Adjustments. Either Point may be removed and a Common Pencil inserted. Complete with Calliper Legs.

No. 51A—Weight each about 1½ lbs..... Each \$3.25
One in a Cardboard Box.

Made of Polished Steel. The Beam is $\frac{5}{16}$ inch Round with One Side Flattened. It is made in One, Two or Three Sections of 14 inch Lengths each, and Coupled together by means of an Improved Socket Coupling and Grip Nut rigidly holding them for long reaches.

	Each
No. 58A —WITH ONE SECTION; 14 INCHES LONG; Weight each about $\frac{3}{4}$ lb.....	\$2.20
No. 58B —WITH TWO SECTIONS; 28 INCHES LONG; Weight each about 1¼ lbs.....	2.60
No. 58C —WITH THREE SECTIONS; 42 INCHES LONG; Weight each about 1½ lbs.....	3.00

One in a Cardboard Box.

SPACING CENTER PUNCH.

Made of Tool Steel, Tempered and Polished; Solid Punch with Guide Point set in a Socket with a Spiral Spring to press it down. When the Punch is Struck, the Guide presses back into its Socket, permitting the Punch to be held straight over its work, and Insuring Accurate Results. The Screw with Chuck Nut Sets the Spacer right for Small or Large Drill, and has a variation from $\frac{5}{64}$ to $\frac{3}{8}$ inches.

No. 118—As described above; Length over all 4½ inches; Weight per dozen about 2¼ lbs..... Per Dozen \$9.00

One-twelfth Dozen in a Cardboard Box.

ODD JOBS.



STANLEY'S.

Per Dozen

No. 1—Nickel Plated Cast Iron Frame; Steel Adjusting Screws and Compass Arm; Tested Level Glass, Complete with a 12 inch Graduated Rule; Length 4 inches; Weight per dozen about 6 lbs. \$9.00
 Attach the Tool to a Rule, making a Try-Square or a T-Square, with Long or Short Tongue; also, a Right or Left Hand Miter-Square. The Pointed Steel Rod is a Scratch Awl.
 A Marking-Gauge is made by Setting the Point or Pencil at any required distance from the Square End of the Stock. A Mortise-Gauge, also, by Inserting an Additional Point or Pencil in the Angle at Head of the Rule; a Graduated Depth-Gauge is Furnished by Extending the Rule Down from the Square End of the Stock.
 The Steel Point at Mitered End of the Tool forms a Center, from which a Circle can be Swung (as with a Beam Compass) 1½ to 13 inches in Diameter. For Small Circles, reverse the Steel Rod to bring the Pencil nearer the Center Point. A Circle of 25 inches Diameter can be Swung, if the Rule alone is used, with a Pencil in the Angle at its Head.

One-twelfth Dozen in a Cardboard Box.

MALLETS.



TINNERS' ROUND.
Per Dozen

No. 4—Plain Finish Hickory Head; Hardwood Handle fitted into Head; Length of Head 5½ inches; Assorted 2¾ and 2½ inches Diameter; Length of Handle 10 inches; Weight per dozen about 14 lbs. \$1.00



Per Dozen

No. 4/S—Plain Finish Selected Second Growth Hickory Head; Hardwood Handle, fitted into Head; Length of Head 6 inches; Assorted 2¾ and 2½ inches Diameter; Length of Handle 10 inches; Weight per dozen about 16 lbs. \$3.00

Your Mail Orders will receive our most careful attention at all times.



Heavy Varnished HICKORY HEAD; Plain Hardwood Handle, Mortised in Head.

Nos.	ROUND.		
	1	2	3
Length of Head, inches.....	5	5½	6
Diameter of Head, inches.....	3	3½	4
Length of Handle, inches.....	8½	8½	8¾
Weight per dozen about, lbs.....	12	18	27
Per dozen.....	\$1.50	2.00	2.50

Nos.	SQUARE.		
	8	9	10
Length of Head, inches.....	6	6½	7
Width of Middle, inches.....	3¾	3¾	3¾
Size of Face, inches.....	2½x3½	2½x3¾	3x4
Length of Handle, inches.....	8	8¾	8¾
Weight per dozen about, lbs.....	18	22	24
Per dozen.....	\$2.00	2.50	3.00

Same as above WITH LIGNUM-VITAE HEAD.

Nos.	LIGNUM-VITAE HEAD.		
	5	6	7
Length of Head, inches.....	5	5½	6
Diameter of Head, inches.....	3	3½	4
Length of Handle, inches.....	9	8½	8½
Weight per dozen about, lbs.....	22	34	42
Per dozen.....	\$3.00	4.00	5.50

Same as above WITH LIGNUM-VITAE HEAD.

Nos.	LIGNUM-VITAE HEAD.	
	12	13
Length of Head, inches.....	6½	7
Width of Middle, inches.....	3¾	4
Size of Face, inches.....	2½x3¾	3x4
Length of Handle, inches.....	8¾	8¾
Weight per dozen about, lbs.....	36	38
Per dozen.....	\$4.75	5.75

Packed Loose.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.



MALLETS.



KEEN KUTTER*

Made of Second Growth Field Hickory, Selected Stock; Shellaced; Hardwood Handle 10 1/4 inches Long extends through Head and FASTENED WITH OUR GRELLNER PATENT WEDGE.

- Per Dozen
- No. K216—ROUND; Length of Head 6 inches; Diameter of Head 2 1/2 inches; Weight per dozen about 14 lbs.. \$3.50
 - No. K306—BARREL SHAPE; Length of Head 6 inches; Diameter of Head at Center 3 inches; Diameter at Ends 2 3/4 inches; Weight per dozen about 18 lbs. 5.00
 - No. K316—BARREL SHAPE; Length of Head 5 1/2 inches; Diameter of Head at Center 3 1/2 inches; Diameter at Ends 2 3/4 inches; Weight per dozen about 26 lbs. 6.00
 - No. 406—BARREL SHAPE; Length of Head 6 inches; Diameter of Head at Center 4 inches; Diameter at Ends 3 1/4 inches; Weight per dozen about 39 lbs. 7.00

One-twelfth Dozen in a Paper Wrapper; Packed Loose.



Per Dozen

- No. 14—HEAVY VARNISHED HICKORY HEAD and Hardwood Handle, Mortised in Head; Polished Cast Iron Band on Each End of Head; Length of Head 6 inches; Diameter of Face 4 inches; Length of Handle 8 3/4 inches; Weight per dozen about 39 lbs. \$5.50



Per Dozen

- No. 15—JAPANNED CAST IRON HEAD, with Varnished Hickory Faces, fitted in Head; Varnished Hardwood Handle, mortised in Head; Length of Head 4 1/4 inches; Diameter of Faces 2 1/2 inches; Length of Handle 9 inches; Weight per dozen about 34 lbs. \$4.00



RAW HIDE FACED.

Fitted in Japanned Finish Malleable Iron Head; Plain Hardwood Handle extends through Head and Wedged.

Nos.	1H	2H	3H
Diameter of Face, inches.....	1 1/4	1 1/2	1 3/4
Length of Handle, inches.....	9 1/2	10	10
Weight of each about, lbs.....	1	1 1/2	2 1/4
Each.....	\$1.50	1.90	2.30



RAW HIDE.

Raw Hide Head; Riveted together by two Steel Rivets; Polished Hardwood Handle extends through Head and Wedged.

Nos.	1R	2R	3R	4R
Diameter of Face, inches.....	1 1/4	1 1/2	1 3/4	2
Length of Handle, inches.....	8	8	8 3/4	8 3/4
Weight each about, lbs.....	3 oz	1/2	3/4	1
Each.....	\$0.50	.60	.70	.90

MAULS.



RAWHIDE.

Made with Two Malleable Flanges with Rawhide Center; Wood Handle.

Nos.	1	2	3	4	5	6
Diameter at Center, in.	3	3 1/2	4 1/4	4 3/4	4 3/4	5
Width of Face, inches.	1 3/4	2 1/4	2 3/4	2 3/4	2 3/4	3
Length over all, in..	9	10 1/2	11	11 1/4	12 3/4	13 1/4
Weight each about, lbs.	3	4	6	8	10	12
Each.....	\$3.60	4.20	4.80	5.50	6.00	6.50

Packed Loose.

MALLETS.



STONE MASONS'.

No. 20—Plain Finish; Extra Selected and Seasoned Hickory Head; Hardwood Handle 6 inches Long, fitted in Head.

Pounds	5	5 1/2	6	6 1/2	7
Diameter of Head, inches	5 1/2	5 1/2	5 1/2	5 3/4	6
Width of Head, inches...	6 1/2	6 3/4	7	7	7
Per dozen.....	\$16.00	17.00	18.00	22.00	23.00

PLUMB BOBS.



No. 100.

Iron, Black Japanned; Adjusted Top.

S. H. CO.*

Nos.	100	200	300	400
Weight each, lbs.	1	2	3	4
Per dozen	\$3.00	5.50	8.00	12.00

One-half Dozen in a Wood Box.

Iron, Black Japanned; Adjusted Top.

Per Dozen

No. 23—Weight each 9½ ozs.	\$1.20
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One Dozen in a Cardboard Box.



No. 23.



No. 34.

Lead; Natural Color Polished Steel Point.

Per Dozen

No. 34—Weight each 12 ozs.	\$3.75
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Iron, Black Japanned; Adjusted Top.

Per Dozen

No. 601—Weight each 1 lb. 2 ozs.	\$2.25
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One-half Dozen in a Cardboard Box.



No. 601.



Polished Cast Brass, Hardened Steel Point; Adjusted Screw Top.

Per Dozen

No. 56—Weight each 6 ounces.	\$5.45
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No. 67—Weight each 11½ ounces.	7.50
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One-half Dozen in a Cardboard Box.



PERFECTION.

POLISHED AND LACQUERED BRASS CASE, filled with Lead; Hardened Steel Point, which is a part of Steel Rod passing through body to which Adjusted Screw Top is attached. The Rim or Bead around the Bob is to protect it from bruising or disfigurement from contact with other bodies or rough surfaces.

Nos.	110	120	130	140	150
Weight each, ozs.	8	14	24	36	56
Per dozen	\$9.00	12.00	15.00	18.00	24.00

One-twelfth Dozen in a Solid Wood Box with Screw Cover, fitted to its size, with Cord attached.



Showing Bob Apart.

Polished Cast Bronze Metal; Reversible Hardened Steel Center Pin, with Adjusted Bronze Screw Top.

No. 20R.

Weight, each	12 ozs.	1 lb.	2 lbs.	3 lbs.	4 lbs.	5 lbs.
Per dozen	\$28.75	34.50	56.50	72.00	86.50	102.00

One-twelfth Dozen in a Wood Box.



Cast Iron, Nickel Plated and Polished; Adjusted Top.

Per Dozen

No. 11—Weight each 5½ ounces.	\$18.00
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No. 12—Weight each 12 ounces.	24.00
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One Dozen in a Cardboard Box.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

BRICK TROWELS.

MT



The Bend of the Shank and Shape of the Handle are Carefully Modeled after Latest Approved Patterns for Expert use. Hung just Right. Handsome Tools.



KEEN KUTTER* Expert, Philadelphia Pattern, Wide Angle Heel.

KEEN KUTTER* Philadelphia Pattern, Regular Heel.

Highest Grade Crucible Steel Blade, Polished and Etched; Extra Ground and Oil Tempered; Blue Lacquered Steel Shank; Long Polished Steel Ferrule.

KEEN KUTTER* EXPERT.

Special Taper Ground, Heavy Heel, Flexible Point; Oil Finish White Gumwood Handle 5 1/2 inches Long.

No. KELB—KEEN KUTTER* EXPERT.

LONDON PATTERN, Round Heel.

Length of Blade, in...	10	10 1/2	11	11 1/2	12
Width at Heel, in...	4 5/16	4 9/16	4 3/4	4 7/8	5
Length over all, in...	16 1/4	17	17 3/4	17 1/2	18
Wgt. doz. about, lbs.	11	12	13	13 1/2	14
Per dozen	\$12.50	13.00	13.50	14.00	14.50

No. KEPB—KEEN KUTTER* EXPERT.

PHILADELPHIA PATTERN, Wide Angle, Square Heel.

Length of Blade, in...	10	10 1/2	11	11 1/2	12
Width at Heel, in...	4 3/4	5 1/8	5 1/4	5 1/2	5 3/4
Length over all, in...	16 1/4	16 3/4	17 1/4	17 1/2	18 1/4
Wgt. doz. about, lbs.	12	13	14	15	15 1/2
Per dozen	\$12.50	13.00	13.50	14.00	14.50

KEEN KUTTER*

Regular Shape and Grinding; With White Gumwood Handle.

No. KLB—KEEN KUTTER*.

LONDON PATTERN, Round Heel.

Handle 4 3/4 inches Long.

Length of Blade, in...	10	10 1/2	11	11 1/2	12
Width at Heel, in...	4 5/16	4 9/16	4 11/16	4 3/4	5
Length over all, in...	15 1/2	16	16 3/4	17	17 1/2
Wgt. doz. about, lbs.	10	12	12 1/2	13	14
Per dozen	\$10.00	10.50	11.00	11.50	12.00

No. KPB—KEEN KUTTER*.

PHILADELPHIA PATTERN, Regular Square Heel.

Handle 5 1/2 inches Long.

Length of Blade, in...	10	10 1/2	11	11 1/2	12
Width at Heel, in...	4 3/4	5 1/8	5 1/4	5 1/2	5 3/4
Length over all, in...	16	16 1/2	17 1/4	17 1/2	18
Wgt. doz. about, lbs.	12	13	14	15	16
Per dozen	\$10.00	10.50	11.00	11.50	12.00

One-half Dozen in a Cardboard Box.

POINTING TROWELS.

SQUARE HEEL.



High Grade.
Nicely Finished.

KEEN KUTTER*

HIGHEST GRADE CRUCIBLE STEEL Polished and Etched Blade; Black Lacquered Steel Shank; Heavy Polished Steel Ferrule; Select Cherry Handle 4 1/2 inches Long.

No. KP—KEEN KUTTER*.

Length of Blade, inches.....	4 1/2	5	5 1/2	6
Width of Heel, inches.....	2 1/4	2 1/2	2 3/4	2 11/16
Weight per dozen about, lbs.	2 3/4	3	3 1/4	3 1/2
Per dozen	\$3.50	3.60	3.70	3.90

One-half Dozen in a Cardboard Box.

CORNER TROWELS.



Double Handle Braces Protecting the Ends of the Handle.

KEEN KUTTER*

HIGHEST GRADE CRUCIBLE STEEL Polished Blade, Riveted to Malleable Handle Braces; Black Rubberoid Finish Hardwood Handle 4 inches Long.

No. 10—KEEN KUTTER*; Length of Blade 6 inches; Width 3 3/4 inches; Height over all 3 3/4 inches; Weight per dozen about 5 lbs.....\$10.00

Per Dozen

CORK FLOATS.

PLASTERERS'.

No. PF—Solid Cork, Smoothed on Both Sides; Length 12 inches; Width 6 inches; Thickness 1 1/4 inches; Weight per dozen about 6 lbs.....\$12.00

Per Dozen

Packed Loose.



TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

PLASTERING TROWELS.

KEEN KUTTER*



KEEN KUTTER*, CINCINNATI PATTERN.

HIGHEST GRADE FORGED CRUCIBLE STEEL Blade, Polished and Etched, Convex Ground and Oil Tempered; Blade Riveted to Polished Malleable Iron Mounting and Shank; Select Varnished Large Basswood Handle 4 inches Long; Tang Extends Through Handle and is Riveted at Back.

Nos.	S/10	S/10½	S/11	S/11½	S/12
Length of Blade, inches.....	10	10½	11	11½	12
Width of Blade, inches.....	4½	4¾	4¾	4 ¹¹ / ₁₆	5
Weight per dozen about, lbs.....	11	12	13	14	15
Per dozen	\$12.50	12.50	13.00	13.50	14.00

One-half Dozen in a Cardboard Box.

PLASTERERS' TROWELS.



No. K11½.

KEEN KUTTER* EXPERT.



No. KB11½.

Highest Grade Hand-hammered Crucible Steel Blade, Extra Polished and Etched, Carefully Ground by Hand, Slightly Convex; Oil Tempered; Blade Riveted at 1 inch Intervals to Long Polished Malleable Iron Mounting, with Wide Oval Shank; Select Black Rubberoid Finish Large Hardwood Handle, 4½ inches Long, with Front End Sloping to Shank to Form a Thumb-rest; Solid Tang Extends through Handle and is Fastened at the Back of the Handle with a Flush Set Steel Screw.

FINISHING.

23 Gauge Blade, with Long Mounting, Extending to one inch from Each End of Blade.

Nos.	K10½	K11	K11½	K12
Length of Blade, in..	10½	11	11½	12
Width of Blade, in....	4¾	4¾	4¾	4¾
Wgt. doz. about, lbs.	13	14	15	16
Per dozen	\$24.00	25.20	26.40	27.60

BROWNING.

21 Gauge Blade, with Extra Long Mounting, Extending to ¼ inch from Each End of Blade.

Nos.	KB10½	KB11	KB11½	KB12
Length of Blade, in..	10½	11	11½	12
Width of Blade, in....	4¾	4¾	4¾	4¾
Wgt. doz. about, lbs.	14	15	16	17
Per dozen	\$26.00	27.20	28.40	29.60

One-third Dozen in a Cardboard Box.

PLASTERERS' HAWKS.

KEEN KUTTER*



Highest Grade Heavy Rolled Aluminum; Sand Blast Finish Surface; Polished on Under Side; Black Finish Hardwood Handle, Detachable.

No.	Per Dozen
No. K2—13½x13½ inches; Length of Handle 5 inches; Weight per dozen about 28 lbs.	\$31.00

One-quarter Dozen in a Cardboard Box.

PLASTERERS' DARBIES.



Plate or Body made of Very Hard Rolled Aluminum, Polished on Both Sides; Natural Finish Hardwood Rib or Long Handle, and Detachable Upright Handle.

No. 2D—3½x44 inches, with One Handle and 18 inch Rib; Weight per dozen about 30 lbs.\$36.00

Packed Loose.

- 192 -

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

PLUMBS AND LEVELS.

KEEN KUTTER*.

(Patent Applied For)

BEST SELECTED STOCK, HIGHLY FINISHED; IMPROVED "HANDY" GROOVE on both Sides which gives a good grip on the Tool. The bubble has a Cat's Eye effect which makes it EASY TO READ; Simplex Adjustment.



LEVEL ONLY. Per Dozen

No. KK13—KEEN KUTTER*; ASSORTED LENGTHS, 12 TO 18 INCHES; Cherry, Mahogany Stained, Polished; One Piece Stock; Brass Top Plate; Side Views; Weight per dozen about 33 lbs.\$8.00



PLUMB AND LEVEL. Per Dozen

No. KK104—KEEN KUTTER*; ASSORTED LENGTHS, 12 TO 18 INCHES; Cherry, Mahogany Stained, Polished; One Piece Stock; Brass Top Plate; Side Views; Weight per dozen about 18 lbs.\$10.00

No. KK2—KEEN KUTTER*; ADJUSTABLE; ASSORTED LENGTHS, 24 TO 30 INCHES; Cherry, Mahogany Stained, Polished; One Piece Stock; Brass Top Plate; Side Views; Weight per dozen about 35 lbs. 18.50



PLUMB AND LEVEL. Per Dozen

No. KK0—KEEN KUTTER*; ASSORTED LENGTHS, 24 TO 30 INCHES; Cherry, Mahogany Stained, Polished; One Piece Stock; Brass Top Plate; Side Views; Weight per dozen about 33 lbs.\$12.50



PLUMB AND LEVEL. Per Dozen

No. KK3—KEEN KUTTER*; ADJUSTABLE; ASSORTED LENGTHS, 24 TO 30 INCHES; Cherry, Mahogany Stained, Polished; One Piece Stock; Cast Brass Tips and Brass Top Plates; Side Views; Weight per dozen about 36 lbs.\$20.00



PLUMB AND LEVEL. Per Dozen

No. KK5—KEEN KUTTER*; ADJUSTABLE; ASSORTED LENGTHS, 24 TO 30 INCHES; Cherry, Mahogany Stained, Polished; Triple Stock; Cast Brass Tips and Brass Top Plates; Plumb with Double Brass Plates; Weight per dozen about 36 lbs.\$33.00

One-half Dozen in a Case.



PLUMB AND LEVEL.

Per Dozen

No. KK30—KEEN KUTTER*; DUPLEX ADJUSTABLE; ASSORTED LENGTHS, 24 TO 30 INCHES; Cherry, Mahogany Stained, Polished; One Piece Stock; Cast Brass Tips and Brass Top Plates; Double Duplex Plate; Weight per dozen about 36 lbs.\$27.50
One-half Dozen in a Case.



PLUMB AND LEVEL.

Per Dozen

No. KK50—KEEN KUTTER*; ADJUSTABLE; ASSORTED LENGTHS, 26 TO 30 INCHES; Double Glasses; Select Solid Cherry Wood Stock, Highly Polished; Full Brass Bound; Heavy Brass Corners and Ends; Square Top Plates; Weight per dozen about 56 lbs.\$75.00



PLUMB AND LEVEL.

Per Dozen

No. KK40—KEEN KUTTER*; ADJUSTABLE; ASSORTED LENGTHS, 26 TO 30 INCHES; Double Glasses; Finest Mahogany, Highly Polished; One Piece Stock, Full Brass Bound; Solid Heavy Corners and Ends; Square Top Plate; Brass Side Views; Weight per dozen about 52 lbs.\$120.00



PLUMB AND LEVEL.

Per Dozen

No. KK45—KEEN KUTTER*; ADJUSTABLE; ASSORTED LENGTHS, 26 TO 30 INCHES; Double Glasses; Finest Mahogany, Highly Polished; One Piece Stock; Double Plumb; Full Brass Bound; Solid Heavy Corners and Ends; Square Top Plate; Brass Side Views; Weight per dozen about 56 lbs.\$140.00
One-twelfth Dozen in a Cardboard Box;
One-half Dozen in a Case.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER;
REGISTERED.

PLASTERING TROWELS
PLUMBS AND LEVELS



PLUMBS AND LEVELS.

KEEN KUTTER*.

(Patent Applied For)

BEST SELECTED STOCK, HIGHLY FINISHED: IMPROVED "HANDY" GROOVE on both Sides which gives a good grip on the Tool. The bubble has a Cat's Eye effect which makes it EASY TO READ; Simplex Adjustment.



PLUMB AND LEVEL.

No. KK35—KEEN KUTTER*: MASONS'; ADJUSTABLE; LENGTH 42 INCHES. White Pine, Mahogany Stained; One Piece Stock; Brass Top Plate; Side Views; Adapted for Plumb and Line; Weight per dozen about 45 lbs. Per Dozen
\$33.00



PLUMB AND LEVEL.

No. KK25—KEEN KUTTER*: MASONS'; ADJUSTABLE; LENGTH 48 INCHES. White Pine, Mahogany Stained; One Piece Stock; Double Glasses; Adapted for Plumb and Line; Weight per dozen about 45 lbs. Per Dozen
\$33.00
One-half Dozen in a Case.



PLUMBS AND LEVELS.

JAPANNED CAST IRON FRAME with Nickel Plated Edges; Adjustable Proved Glasses encased in Nickel Plated Steel Casing; One Level Glass and Two Plumb Glasses.

No. 36—STANLEY'S.

Length, inches.....	12	18	24
Weight per dozen about, lbs.....	24	36	48
Per dozen.....	\$21.00	24.00	27.00

One-twelfth Dozen in a Cardboard Box.

NICKEL PLATED CAST IRON FRAME; Ground Glasses encased in Nickel Plated Adjustable Steel Eclipse Cases, which Protect Glass from being broken; One Level Glass and Two Plumb Glasses.

No. 37—STANLEY'S.

Length, inches.....	18	24
Weight per dozen about, lbs.....	36	48
Per dozen.....	\$42.00	48.00



MACHINIST'S LEVEL.

NICKEL PLATED, CAST IRON FRAME; Nickel Plated Steel Top, Screwed to Frame; Two Side Views.

No. 38½—LENGTH 4 INCHES; Weight per dozen about 3½ lbs. Per Dozen
\$4.50
No. 39½—LENGTH 6 INCHES; Weight per dozen about 7 lbs. 5.50
One-half Dozen in a Cardboard Box.

PLUMBS AND LEVELS.



CAST IRON FRAME; Japanned Center and Polished Edges; Brass Center Cylinder, with Inclinometer Graduations and Indicator; Can be used as a Plumb, Level or Inclinometer.



DAVIS'.
Machinists' Iron Plumbs, Levels and Inclinometers.

Per Dozen
No. 1D—Length 7 inches; Weight per dozen about 18 lbs. \$24.00
No. 2D—Length 12 inches; Weight per dozen about 24 lbs. 30.00

Per Dozen
No. 3D—Length 18 inches; Weight per dozen about 42 lbs. \$36.00
No. 4D—Length 24 inches; Weight per dozen about 60 lbs. 42.00

One-twelfth Dozen in a Cardboard Box.



CAST IRON FRAME; Japanned Center and Polished Edges; Glasses encased in Nickel Plated Steel Casings; Adjustable; One Level Glass and Two Plumb Glasses.



DAVIS'.
Carpenter's and Machinist's Double.

Per Dozen
No. 6D—Length 6 inches; Weight per dozen about 12 lbs. \$24.00
No. 7D—Length 12 inches; Weight per dozen about 24 lbs. 27.00

Per Dozen
No. 8D—Length 18 inches; Weight per dozen about 36 lbs. \$30.00
No. 9D—Length 24 inches; Weight per dozen about 48 lbs. 36.00

One-twelfth Dozen in a Cardboard Box.

BIT AND SQUARE LEVEL.



Per Dozen
No. 44—Cast Brass Frame and Set Screw; Width 1½ inches; Fits Regular Steel Squares and Auger Bits; Weight per dozen about 2 lbs. \$3.60
One-twelfth Dozen in a Cardboard Box.

LEVEL SIGHTS.



Cut shows Level Sight and mode of attachment.
Per Dozen Pairs
No. 1—STANLEY'S; Adjustable; Cast Iron Frame, Polished and Blued Finish; Steel Set Screws; Width of Clamp 1½ inches; Fastened to Lever by Set Screws; Weight per dozen pairs about 3 lbs. \$9.00
One-twelfth Dozen Pairs in a Cardboard Box.

POCKET LEVELS.



Nickel Plated Hexagon Shape Steel Case; Proved Glasses.

No. 31.
Length, inches 2¼ 3¼
Wgt. per doz. about, lbs. ¼ 1
Per dozen \$4.20 6.00



Per Dozen
No. 200—Polished Rosewood; Nickel Plated Steel Top Plate; LENGTH 6 INCHES; Weight per dozen about 2 lbs. \$4.50
One-half Dozen in a Cardboard Box.



Japanned Cast Iron; Steel Set Screws.
Per Dozen
No. 40—Japanned Cast Iron Top Plate; Length 3¼ inches \$2.75
No. 41—Brass Top Plate; Length 3¼ inches ... 2.90
Weight per Dozen about 2 lbs.
One Dozen in a Cardboard Box

LEVEL GLASSES.



No. 4 } Length, inches 1¼ 1½ 1¾ 2 2½ 3 3½ 1¼, 3, 3½
Per gross \$7.80 7.80 7.80 9.00 10.25 12.75 14.25 11.60
One-twelfth Gross in a Cardboard Box; Weight per Gross about 2½ lbs.



For KEEN KUTTER Levels.
These are the same Glasses as are used in the KEEN KUTTER Plumbs and Levels.

Nos.	K 1½	K 2	K 2½	K 3	KAS Assorted	
Length inches	1½	2	2½	3	1½, 2, 2½, 3	
Per Gross	\$10.00	10.00	10.00	10.00	10.00	

One-twelfth Gross in a Cardboard Box; Weight per Gross about 1½ lbs.

BOXWOOD RULES.



Selected Boxwood; Polished Brass Trimmings; Lines and Figures marked Black; Graduations on Both Sides.



- One Foot, Four Fold. Per Dozen
No. 69—Round Joint; Middle Plates; Graduated in inches, 8ths and 16ths; Width, folded, $\frac{5}{8}$ inch; Weight per dozen about $\frac{1}{2}$ lb. \$1.75
 One Dozen in a Cardboard Box.



- Two Feet, Four Fold. Per Dozen
No. 68—Round Joint; Middle Plates; Graduated in inches, 8ths and 16ths; Width, folded, 1 inch; Weight per dozen about $1\frac{1}{2}$ lbs. \$2.50
 One Dozen in a Cardboard Box.



- Two Feet, Four Fold. Per Dozen
No. 63 $\frac{1}{2}$ —Square Joint; Edge Plates; Graduated in inches, 8ths, 10ths and 16ths; Width, folded, $\frac{3}{4}$ inch; Weight per dozen about 1 $\frac{1}{2}$ lbs. \$4.25
No. 62 $\frac{1}{2}$ —Same as No. 63 $\frac{1}{2}$, except FULL BOUND; Weight per dozen about 2 lbs. 8.00



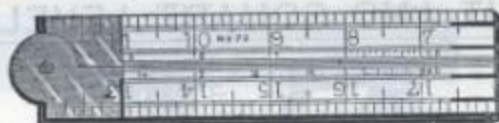
- Two Feet, Four Fold. Per Dozen
No. 61—Square Joint; Middle Plates; Graduated in inches, 8ths and 16ths; Width, folded, 1 inch \$3.00
No. 63—Square Joint; Edge Plates; Graduated in inches, 8ths, 10ths, 12ths and 16ths, and Drafting Scale; Width, folded, 1 inch 4.00
No. 84—Square Joint; HALF BOUND; Graduated in inches, 8ths, 10ths, 12ths and 16ths, and Drafting Scale; Width, folded, 1 inch 6.50
No. 62—Square Joint; FULL BOUND; Graduated in inches, 8ths, 10ths, 12ths and 16ths, and Drafting Scale; Width, folded, 1 inch 8.00
No. 60—Double Arch Joint; FULL BOUND; Graduated in inches, 8ths, 10ths, 12ths and 16ths, and Drafting Scale; Width, folded, 1 inch 10.75
 Weight per dozen about 2 $\frac{1}{4}$ lbs.



- One Foot, Four Fold. Per Dozen
No. 65—Square Joint; Middle Plates; Graduated in inches, 8ths and 16ths; Width, folded, $\frac{5}{8}$ inch; Weight per dozen about $\frac{1}{2}$ lb. \$2.00



- One Foot, Four Fold. Per Dozen
No. 55—Arch Joint; Middle Plates; Graduated in inches, 8ths and 16ths; Width, folded, $\frac{5}{8}$ inch; Weight per dozen about $\frac{1}{2}$ lb. \$2.50
No. 57—Arch Joint; FULL BOUND; Graduated in inches, 8ths and 16ths; Width, folded, $\frac{5}{8}$ inch; Weight per dozen about $\frac{1}{2}$ lb. 6.25



- Two Feet, Four Fold. Per Dozen
No. 70—Square Joint; Middle Plates; Graduated in inches, 8ths and 16ths, and Drafting Scale; Width, folded, 1 $\frac{1}{8}$ inches. \$4.00
No. 72 $\frac{1}{2}$ —Square Joint; FULL BOUND; Graduated in inches, 8ths, 10ths and 16ths, and Drafting Scale; Width, folded, 1 $\frac{1}{8}$ inches; Weight per dozen about 2 $\frac{1}{4}$ lbs. 9.00



- Two Feet, Four Fold. Per Dozen
No. 51—Arch Joint; Middle Plates; Graduated in inches, 8ths, 10ths, 12ths and 16ths, and Drafting Scale; Width, folded, 1 inch \$3.50
No. 53—Arch Joint; Edge Plates; Graduated in inches, 8ths, 10ths, 12ths and 16ths, and Drafting Scale; Width, folded, 1 inch 4.50
No. 52—Arch Joint; HALF BOUND; Graduated in inches, 8ths, 10ths, 12ths and 16ths, and Drafting Scale; Width, folded, 1 inch 7.25
No. 54—Arch Joint; FULL BOUND; Graduated in inches, 8ths, 10ths, 12ths and 16ths, and Drafting Scale; Width, folded, 1 inch 8.75
 Weight per dozen about 2 $\frac{1}{4}$ lbs.



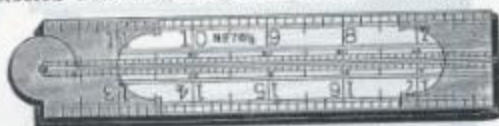
- Two Feet, Two Fold. Per Dozen
No. 2—Arch Joint; Bitted; Graduated in inches, 8ths, 10ths and 16ths, and Octagon Scale; Width, folded, 1 $\frac{1}{4}$ inches; Weight per dozen about 2 lbs. \$5.00
 One-half Dozen in a Cardboard Box.

-198-

BOXWOOD RULES.



Selected Boxwood; Polished Brass Trimmings; Lines and Figures marked Black; Graduations on Both Sides.



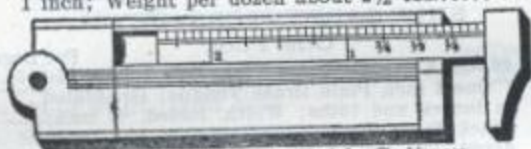
Two Feet, Four Fold. Per Dozen

- No. 77—Double Arch Joint; Bitted; Graduated in inches, 8ths, 10ths and 16ths, and Drafting Scale; Width, folded, 1 1/4 inches.....\$ 6.50
 No. 78—Same as No. 77, except HALF BOUND... 10.00
 No. 78 1/2—Same as No. 77, except FULL BOUND. 12.00
 Weight per Dozen about 2 1/4 lbs.



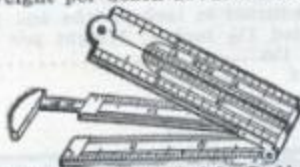
Three Feet, Four Fold. Per Dozen

- No. 66 1/2—Brass Mountings; Arch Joint; Middle Plates; Graduated in inches and 16ths; Width, folded, 1 inch; Weight per dozen about 3 lbs. \$5.00
 No. 66 3/4—Brass Mountings; FULL BRASS BOUND; Arch Joint; Middle Plates; Graduated in inches and 16ths; Width, folded, 1 inch; Weight per dozen about 2 1/2 lbs..... 15.00



Six Inches, Two Fold, Caliper.

- No. 36—Square Joint; Graduated in inches, 6ths, 10ths, 12ths and 16ths; Width, folded, 3/4 inch; Weight per dozen about 1 lb..... \$4.50



One Foot, Four Fold, Caliper. Per Dozen

- No. 32—Arch Joint; Edge Plates; Graduated in inches, 8ths, 10ths, 12ths and 16ths; Width folded, 1 inch; Weight per dozen about 1 3/4 lbs. \$7.00
 No. 32 1/2—Same as No. 32, except FULL BOUND; Weight per dozen about 2 lbs..... 10.00
 No. 32 1/2 R—RIGHT-HAND; Otherwise same as No. 32 1/2; Weight per dozen about 2 lbs.... 10.00



Two Feet, Four Fold, Caliper. Per Dozen

- No. 84 1/2—FULL BRASS BOUND; Square Joint; Graduated in inches, 8ths, 10ths, 12ths and 16ths; Width, folded, 1 inch; Weight per dozen about 2 1/4 lbs.\$15.00

Nos. 69EM and 68EM, One Dozen; Balance of Page One-half Dozen in a Cardboard Box.



Graduated in Meters on One Side; Inches on other side. Per Dozen

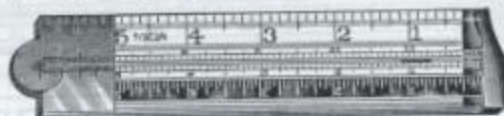
- No. 69EM—ONE FOOT, Four Fold; Round Joint; Middle Plates; Width, folded, 3/4 inch; Weight per dozen about 1/2 lb..... \$1.75
 No. 68EM—TWO FOOT, Four Fold; Round Joint; Middle Plates; Width, folded, 1 inch; Weight per dozen about 1 1/2 lbs..... 2.50
 No. 84EM—TWO FOOT, Four Fold; Square Joint; HALF BRASS BOUND; Width, folded, 1 inch; Weight per dozen about 2 lbs..... 6.50
 No. 62EM—TWO FOOT, Four Fold; Square Joint; FULL BRASS BOUND; Width, folded, 1 inch; Weight per dozen about 2 lbs..... 8.00
 No. 32EM—ONE FOOT, Four Fold, CALIPER, ARCH JOINT; Edge Plates; Width, folded, 1 inch; Weight per dozen about 2 lbs. 7.00



STANLEY; BLINDMAN'S.

Two Feet, Four Fold; Figures are Extra Large and Distinct.

- No. 7—Square Joint; Middle Plates; Graduated in inches, 8ths and 16ths; Width, folded, 1 1/2 inches; Weight per dozen about 2 lbs.....\$11.00



One Foot, Two Fold, Caliper.

- No. 36 1/2—Square Joint; Graduated in inches, 8ths, 10ths, 12ths and 16ths; Width, folded, 1 1/2 inches; Weight per dozen about 2 lbs..... \$6.50



Two Feet, Four Fold, Caliper.

- No. 83 1/2—Arch Joint; Edge Plates; Graduated in inches, 8ths, 10ths and 16ths, and Drafting Scale; Width, folded, 1 1/4 inches; Weight per dozen about 2 1/2 lbs.....\$12.00

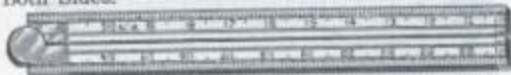


One Foot, Four Fold, Caliper.

- No. 3—Square Joint; Full Bound; Graduated in inches, 8ths and 16ths; Width, folded, 3/4 inch; Weight per dozen about 1 lb.....\$12.00

RULES.

SELECTED BOXWOOD; Polished Brass Trimmings; Figures and Lines marked Black; Graduations on Both Sides.



Two Foot, Two Fold. Per Dozen
No. 18—Square Joint; Graduated in inches, 8ths and 16ths; Width, Folded, 1 1/4 inches; Weight per dozen about 2 lbs. \$4.00
 One-half Dozen in a Cardboard Box.



Architects', Two Feet, Four Fold. Per Dozen
No. 53 1/2—BOXWOOD; Brass Mountings; Arch Joint; Edge Plates; Graduated in inches, 8ths, 10ths, 12ths and 16ths. Inside Edges Beveled; Architects' Drafting Scale; 1 inch Wide, folded; Weight per dozen about 1 1/2 lbs. \$8.00
 One Dozen in a Cardboard Box.



BLACKSMITH'S RULES.
 Two Feet, Two Fold. Per Dozen
No. 17—Polished Spring Brass; Figures and Lines Stamped; Invisible Joint Rivet; Graduated in inches and 16ths; Width, folded, 5/8 inch; Thickness 3/4 inch; Weight per dozen about 2 3/4 lbs. \$6.00
 One-half Dozen in a Cardboard Box.



Carriage Makers', Four Feet, Four Fold. Per Dozen
No. 94—BOXWOOD; Arch Joint; Full Brass Bound; Figures and Lines Marked in Black; Graduated in inches, 8ths and 16ths; Width Folded 1 1/2 inches; Weight per dozen about 5 1/4 lbs. \$24.00
 One-half Dozen in a Cardboard Box.

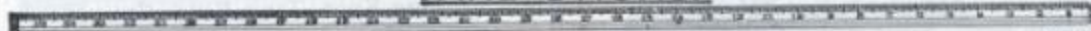


Combination, One Foot, Two Fold. Per Dozen
No. 056—BOXWOOD; Square Brass Joint; Full Brass Bound; Graduated in 10ths, 12ths, 16ths and 24ths, and Drafting Scale; 1 1/16 inch Wide, folded; 5/8 inch Thick; fitted with Steel Tongue, Graduated to all Angles up to 45 degrees, and Level Glass, can be used as Carpenters' Rule, Level, Square, Plumb, Bevel, Inclinator, Drafting Scale and Bevel Protractor; Full Instructions for use with each Rule; Weight per dozen about 4 1/2 lbs. \$40.00
 One-twelfth Dozen in a Cardboard Box.



SHIP CARPENTERS' BEVEL.
 One Foot. Per Dozen
No. 42—BOXWOOD; Brass Tips; One 7 inch and One 4 inch Plain Brass Tongue; Graduated in inches and 16ths; Width, folded, 5/8 inch; Black Figures and Lines; Weight per dozen about 1 1/2 lbs. \$4.00
 One Dozen in a Cardboard Box.

YARD STICKS.



Per Dozen
No. 41—SELECTED AND POLISHED MAPLE; Brass Tips; Figures and Lines marked Black; Width 1 inch; Graduated in inches and 8ths \$3.50
 Weight per Dozen about 3 lbs.
 One Dozen in a Package.

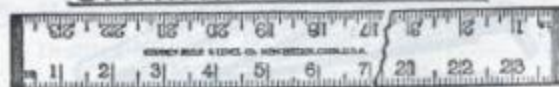
Per Dozen
No. 50—SELECTED AND POLISHED HICKORY; Brass Capped Ends; Figures and Lines marked Black; Width 1 inch; Graduated in inches and 8ths. \$4.50

EXTENSION RULES.



SELECTED AND SEASONED MAPLE; Brass Tips and Clamps; Figures and Lines marked Black; Width 1 inch; Graduated in inches and 16ths.
 Per Dozen
No. 24—EXTENDS FROM 2 TO 4 FEET; Weight per dozen about 8 lbs. \$8.00
No. 48—EXTENDS FROM 4 TO 8 FEET; Weight per dozen about 12 lbs. 10.00
 One-half Dozen in a Package.

PATTERN MAKERS' SHRINKAGE RULES.



Per Dozen
No. 30—SELECTED BOXWOOD; 24 INCHES LONG; Brass Tips; Figures and Lines marked Black; Width 1 1/4 inches; Graduated in inches, 8ths and 16ths; Measures 12 1/4 inches to the foot; Weight per dozen about 2 lbs. \$15.00

-200A-

ZIG ZAG RULES.



S. H. Co.*

Flexible Hardwood, Concealed Steel Rivets; Stiff Springs at Joints, to hold Rule rigid when open; Black Figures and Lines; Steel Joints; Brass Tips; Graduated in Feet, Inches, 8ths and 16ths; Length of Joints 6 inches; Width, folded, $\frac{5}{8}$ inch.

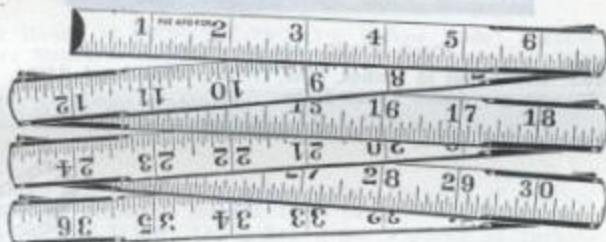
Enameled White.

	Per Dozen
No. 503—3 FEET, Six Fold	\$4.20
No. 504—4 FEET, Eight Fold	5.60
No. 505—5 FEET, Ten Fold	7.00
No. 506—6 FEET, Twelve Fold	8.40

Enameled Yellow.

	Per Dozen
No. 603—3 FEET, Six Fold	\$3.00
No. 604—4 FEET, Eight Fold	4.00
No. 605—5 FEET, Ten Fold	5.00
No. 606—6 FEET, Twelve Fold	6.00

One-half Dozen in a Cardboard Box; Weight per Dozen about $2\frac{1}{2}$ lbs.



Flexible Hardwood, Enameled Yellow; $\frac{5}{8}$ Inches Wide; Concealed Rivets; Blued Steel Joints and Tips; Black Figures and Lines; Graduated on both Sides in inches, 8ths and 16ths.

	Per Dozen
No. 3ZR—3 FEET, Six Fold	\$3.00
No. 4ZR—4 FEET, Eight Fold	4.00
No. 5ZR—5 FEET, Ten Fold	5.00
No. 6ZR—6 FEET, Twelve Fold	6.00

One Dozen in a Cardboard Box; Weight per Dozen about $2\frac{1}{2}$ lbs.



IVORY RULES.

SELECTED IVORY; Finely Polished German Silver Trimmings; Lines and Figures Marked Black; Graduations on Both Sides of Rule and Caliper.



One Foot, Four Fold. Per Dozen

No. 90—Round Joint; Middle Plates; Graduated in inches, 8ths and 16ths; Width, folded, $\frac{1}{2}$ inch; Weight per dozen about 1 lb. \$10.00

One Dozen in a Cardboard Box.



One Foot, Four Fold. Per Dozen

No. 92—Square Joint; Edge Plates; Graduated in inches, 8ths and 16ths; Width, folded, $\frac{1}{2}$ inch; Weight per dozen about 1 lb. \$17.00

One-half Dozen in a Cardboard Box.



One Foot, Four Fold. Per Dozen

No. 88—Arch Joint; Full Bound; Graduated in inches, 8ths and 16ths; Width, folded, $\frac{1}{2}$ inch; Weight per dozen about 1 lb. \$32.00



Two Feet, Four Fold. Per Dozen

No. 85—Square Joint; Edge Plates; Graduated in inches, 8ths, 10th, 12ths and 16ths; Width, folded, $\frac{1}{2}$ inch; Weight per dozen about 2 lbs. \$54.00



Two Feet, Four Fold. Per Dozen

No. 87—Arch Joint; Full Bound; Graduated in inches, 8ths, 10ths, 12ths and 16ths, and Drafting Scale; Width, folded, 1 inch; Weight per dozen about 3 lbs. \$80.00

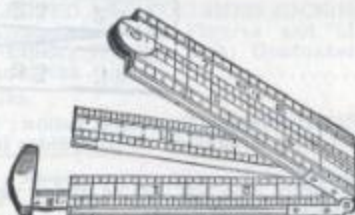


Six Inches, Two Fold, Caliper.

Per Dozen

No. 38—Square Joint; Graduated in inches, 8ths, 10ths and 16ths; Width, folded, $\frac{1}{2}$ inch; Weight per dozen about 1 lb. \$15.00

No. 40 $\frac{1}{2}$ —Square Joint; FULL BOUND; Graduated in inches, 8ths and 16ths; Width folded, $\frac{1}{2}$ inch; Weight per dozen about 1 lb. . 24.00



One Foot, Four Fold, Caliper.

Per Dozen

No. 39—Square Joint; Edge Plates; Graduated in inches, 8ths, 10th, 12ths and 16ths; Width, folded, $\frac{1}{2}$ inch; Weight per dozen about 1 $\frac{1}{2}$ lbs. \$38.00

No. 40—Square Joint; FULL BOUND; Graduated in inches, 8ths and 16ths; Width, folded, $\frac{1}{2}$ inch; Weight per dozen about 1 $\frac{1}{2}$ lbs. 44.00

No. 40R—RIGHT HAND; Otherwise same as No. 40; Weight per dozen 1 $\frac{1}{2}$ lbs. 44.00

One-half Dozen in a Cardboard Box.

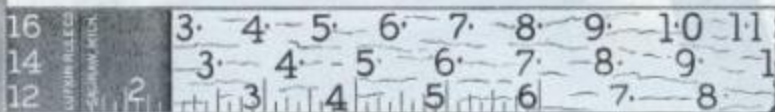
-202-

BOARD AND LOG RULES.



FINEST SELECTED HICKORY, with Figures Clearly Burned In; Tempered and Polished Steel Heads Brazed to Heavy Brass Shoulders, attached to Rule with Heavy Rivets.

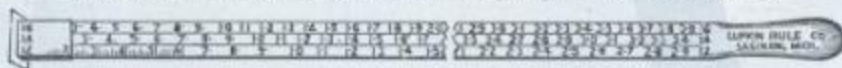
BOARD.



No. 300D—Diamond Head; Length 3 feet; Width $1\frac{1}{4}$ inches; 3 Tier; Measures lengths 8 to 18 feet \$23.00

No. 378D—Diamond Head; Length 3 feet; Width $\frac{1}{2}$ inch; 3 Tier; Measures lengths 8 to 18 feet. 23.00

Handles on Above Same as No. 100; Weight per dozen about 6 lbs.



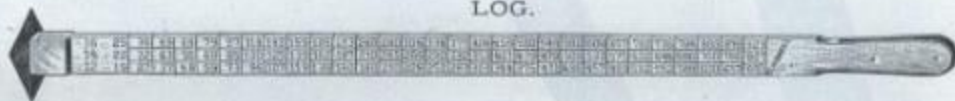
Per Dozen

No. 300—Square Head; LENGTH 3 FEET; Width $1\frac{1}{4}$ inches; 3 Tier; Measures lengths 12 to 22 feet..... 23.00

No. 800—Square Head; LENGTH 3 FEET; Width $1\frac{1}{4}$ inches; 4 Tier; Measures lengths 8 to 22 feet..... 25.00

Weight per Dozen about 8 lbs.

LOG.

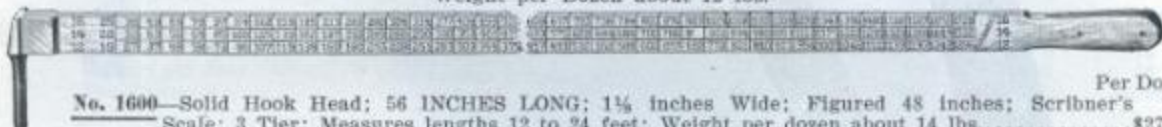


Per Dozen

No. 1400—Square Head; 42 INCHES LONG; $1\frac{1}{4}$ inches Wide; Figured 36 inches; Scribner's Scale, 3 Tier; Measures lengths 8 to 20 feet \$23.00

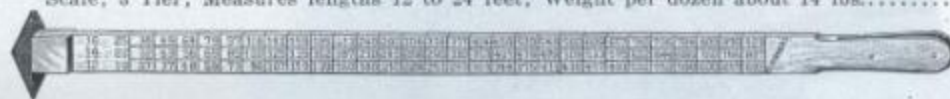
No. 1500—Square Head; 56 INCHES LONG; $1\frac{1}{4}$ inches Wide; Figured 48 inches; Scribner's Scale; 3 Tier; Measures lengths 12 to 24 feet 27.00

Weight per Dozen about 12 lbs.



Per Dozen

No. 1600—Solid Hook Head; 56 INCHES LONG; $1\frac{1}{4}$ inches Wide; Figured 48 inches; Scribner's Scale; 3 Tier; Measures lengths 12 to 24 feet; Weight per dozen about 14 lbs.....\$27.00



Per Dozen

No. 2400—Square Head; 56 INCHES LONG; $1\frac{1}{4}$ inches Wide; Figured 48 inches; Combined Doyle and Scribner's Scale, 3 Tier; Measures lengths 12 to 24 feet\$27.00

No. 2500—Square Head; 42 INCHES LONG; $1\frac{1}{4}$ inches Wide; Figured 36 inches; Combined Doyle and Scribner's Scale, 3 Tier; Measures lengths 8 to 20 feet 23.00

No. 3400—Square Head; 56 INCHES LONG; $1\frac{1}{4}$ inches Wide; Figured 48 inches; Doyle's Scale, 3 Tier; Measures lengths 8 to 20 feet..... 27.00

No. 3500—Square Head; 42 INCHES LONG; $1\frac{1}{4}$ inches Wide; Figured 36 inches; Doyle's Scale, 3 Tier; Measures lengths 8 to 20 feet 23.00

Weight per Dozen about 12 lbs.

Note—The Combined Doyle and Scribner Scale Log Rule uses Doyle Figures up to 28 inches Diameter, and Scribner Figures from 29 inches upward.

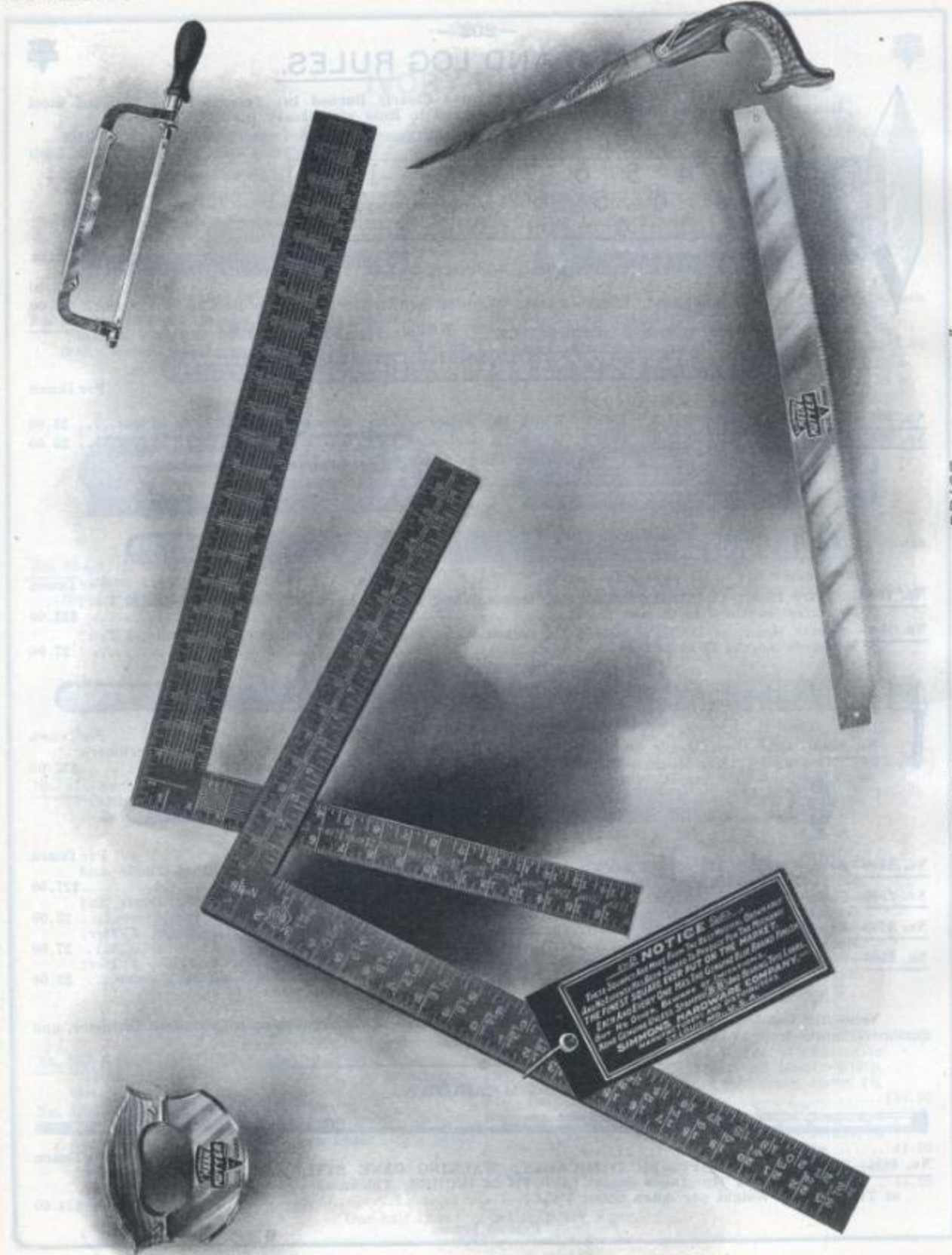
LOG MEASURES.



Per Dozen

No. 48 $\frac{1}{2}$ —SELECTED AND POLISHED HICKORY; WALKING CANE STYLE; Octagon Shape; Heavy Brass Head and Tip; Doyle Scale; LENGTH 36 INCHES; Thickness at Head $\frac{1}{4}$ inch; Thickness at Tip $\frac{1}{2}$ inch; Weight per dozen about 7 lbs..... \$24.00

Packed Loose.



ATTENTION NOTICE
First Square and Level from the Simmons Division
America's Largest and Best Square to Measure for the Pros and
THE FINEST SQUARE EVER PUT ON THE MARKET
FOR ANY OTHER SQUARE. Because of its
and Ground Level. Simmons Division, Construction Dept.
SIMMONS HARDWARE COMPANY
MILWAUKEE, WIS. U.S.A.

"THE RECOLLECTION OF QUALITY REMAINS LONG AFTER THE PRICE IS FORGOTTEN" - E.C. SIMMONS
TRADE MARK REGISTERED.

TRADE MARKS:
E. C. SIMMONS' KEEN KUTTER;
REGISTERED.

SQUARES.

KEEN KUTTER Tools have found their way into the Markets of the World and are Popular in many Foreign Countries.



NOTE—The White Filled Figures and Lines on the Blued Back Ground make KEEN KUTTER Blue Brand Squares easy to read where the light is poor. The Blued Finish prevents the blinding effect noticeable when a polished Steel Square is used in the bright sunlight.

Warranted Accurate
in Cut and Marking.

No. K2. KEEN KUTTER BLUE BRAND*.

One Piece, Weldless, Highest Grade Crucible Steel, with Dark Fire Blued and Lacquered Finish; Markings Filled with White Enamel, and Accurately Cut.

Graduated in 1, 1/2, 3/4, 5/8, 1/2, 1/16 inches, with Hundredth Scale, and Brace, Octagon and Essex Board Measures; Body 24 inches Long, 2 inches Wide; Tongue, 1 1/2 inches Wide.

Nos.	K/1	K1/16	K1/18
Length of Tongue, inches.....[Assorted	16, 17, 18]	16	18
Weight per dozen about, lbs.....	30	29	32
Per dozen	\$66.00	65.00	66.00

Graduated in 1, 1/2, 3/4, 5/8, 1/2, 1/16 inches, with Board and Brace Measures; Body 24 inches Long, 2 inches Wide; Tongue 1 1/2 inches Wide.

Nos.	K/3	K3/16	K3/18
Length of Tongue, inches.....[Assorted	16, 17, 18]	16	18
Weight per dozen about, lbs.....	30	29	32
Per dozen	\$55.00	55.00	55.00

No. K10—TONGUE 8 INCHES LONG, 1 inch Wide; Body 12 inches Long, 1 1/2 inches Wide; Graduated in 1, 1/2, 3/4, 5/8, 1/2, 1/16 inches; Weight per dozen about 11 lbs.....\$40.00

No. K12—TONGUE 8 INCHES LONG, 1 inch Wide; Body 12 inches Long, 1 1/2 inches Wide; Graduated in 1, 1/2, 3/4, 5/8, 1/2, 1/16 inches; Weight per dozen about 11 lbs..... 46.00

No. K14—TONGUE 16 INCHES LONG, 1 1/2 inches Wide; Body 24 inches Long, 2 inches Wide; Graduated in 1, 1/2, 3/4, 5/8 inches, with Board Measure; Weight per dozen about 29 lbs..... 46.00

No. K18—TONGUE 12 INCHES LONG, 1 inch Wide; Body 18 inches Long, 1 1/2 inches Wide; Graduated in 1, 1/2, 3/4, 5/8, 1/2, 1/16 inches; Weight per dozen about 15 lbs.....\$52.00

Graduated in 1, 1/2, 3/4, 5/8, 1/2, 1/16 inches, with Hundredth Scale, and Brace, Octagon and Essex Board Measures; Body 24 inches Long, 2 inches Wide; Tongue 1 1/2 inches Wide.

Nos.	K/100	K100/16	K100/18
Length of Tongue, inches.....[Assorted	16, 17, 18]	16	18
Weight per dozen about, lbs.....	30	29	30
Per dozen	\$80.00	80.00	80.00

FRAMING, OR RAFTER, WITH PATENT FRAMING TABLES.

Warranted
Accurate
in Cut and
Marking.



No. KF14.

KEEN KUTTER BLUE BRAND*; Framing.

One Piece, Weldless, Highest Grade Crucible Steel, with Dark Fire Blued and Lacquered Finish; Markings Filled with White Enamel, and Accurately Cut.

No. KF1—ASSORTED TONGUES, 16, 17, 18 INCHES LONG, 1 1/2 inches Wide; Body 24 inches Long, 2 inches Wide; Graduated in 1, 1/2, 3/4, 5/8, 1/2, 1/16 inches, with Hundredth Scale, and Brace Octagon and Essex Board Measures; Weight per dozen about 30 lbs.....\$94.00

No. KF3—ASSORTED TONGUES, 16, 17, 18 INCHES LONG, 1 1/2 inches Wide; Body 24 inches Long, 2 inches Wide; Graduated in 1, 1/2, 3/4, 5/8, 1/2, 1/16 inches, with Board and Brace Measures; Weight per dozen about 30 lbs..... 82.00

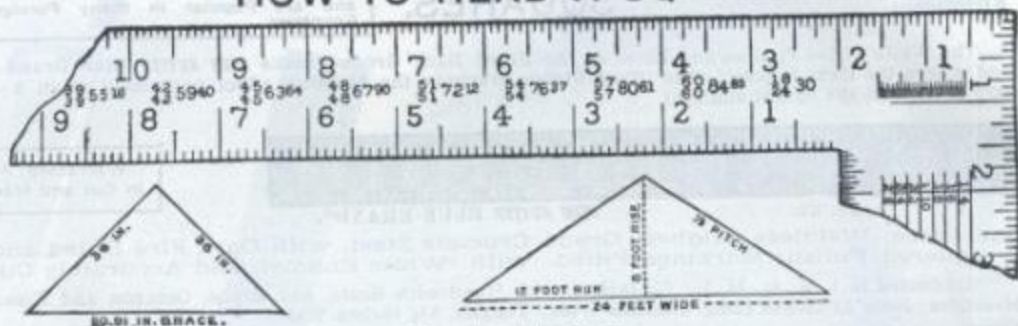
No. KF14—TONGUE 16 INCHES LONG, 1 1/2 inches Wide; Body 24 inches Long, 2 inches Wide; Graduated in 1, 1/2, 3/4, 5/8, 1/16 inches, with Board Measure; Weight per dozen about 29 lbs... 74.00

No. KF100—ASSORTED TONGUES, 16, 17, 18 INCHES LONG, 1 1/2 inches Wide; Body 24 inches Long, 2 inches Wide; Graduated in 1, 1/2, 3/4, 5/8, 1/10, 1/12, 1/16, 1/32 inches, with Hundredth Scale, and Brace, Octagon and Essex Board Measures; Weight per dozen about 30 lbs.....106.00

One-fourth Dozen in a Box; Four Dozen in a Case.

Illustrated Pamphlet, describing the Use, accompanies each Square.

HOW TO READ A SQUARE.

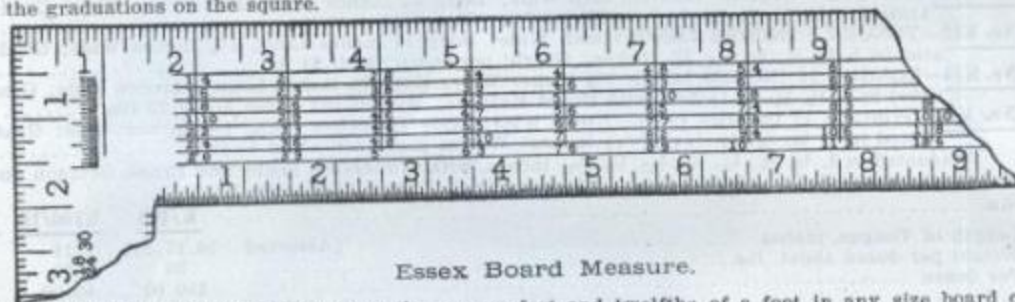


Hundredth Scale.

THE HUNDREDTH SCALE is intended to be used with the brace scale or any tables where decimal fractions occur. It is located near the brace scale. The sub-divisions, or 1-20 inch marks, make it easier to count the fine divisions. This makes it practicable to lay off the exact number of feet, inches, and down to one one-hundredth of an inch required in the table, instead of guessing at it. The length of a rafter pattern may be made with this scale as close as 1-100 of an inch in length.

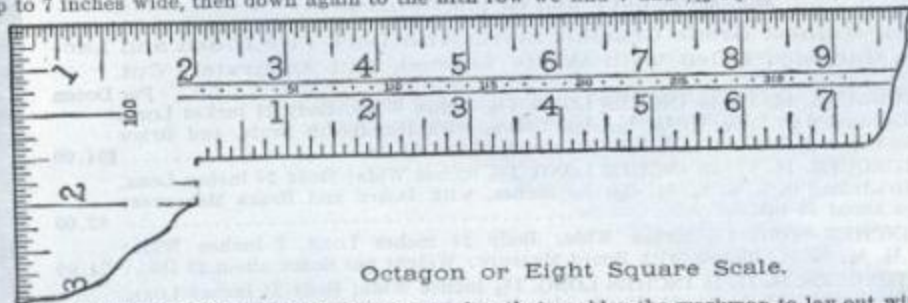
Brace Measure.

THE BRACE MEASURE TABLE is a convenient arrangement of the usual length of braces used in a large range of timber frames, both large and small, covering runs from eighteen inches to sixty inches, by three inches difference in length. The run is given in the two left-hand numbers, as, for instance, $2\frac{1}{2}$ means 54 inches each way from the corner. The length of the brace is given at the right-hand of the $2\frac{1}{2}$ 76.37. This can be laid off on a brace pattern with the use of the hundredth scale accurately without guess work or figuring the decimal into some of the graduations on the square.



Essex Board Measure.

THE ESSEX BOARD MEASURE gives the square feet and twelfths of a foot in any size board or timber. The tables of figures are arranged on inch lines which are made to reach across the whole width of the tables. Boards one inch thick are given in the tables; for any other size multiply the figures given in the tables by the thickness of the timber. The way to read the tables may be learned by the following example: A board 13 feet long, 7 inches wide, 1 inch thick. As a matter of convenience the tables are arranged so that the figures on the long, 7 inch marks on the top edge form a part of the tables, and may be used for the width of the board or timber. It will be noticed that under the 13 inch mark at the top, the smaller figures, 8, 9, 10, etc., may be used for the lengths, as there are likely to be more widths of boards than lengths. This leads us naturally to look at 12 first, as the length figures are under it. There we find 13 in the fifth longitudinal row; then, looking back on the top to 7 inches wide, then down again to the fifth row we find 7 and $\frac{7}{12}$ square feet, the product of above example.

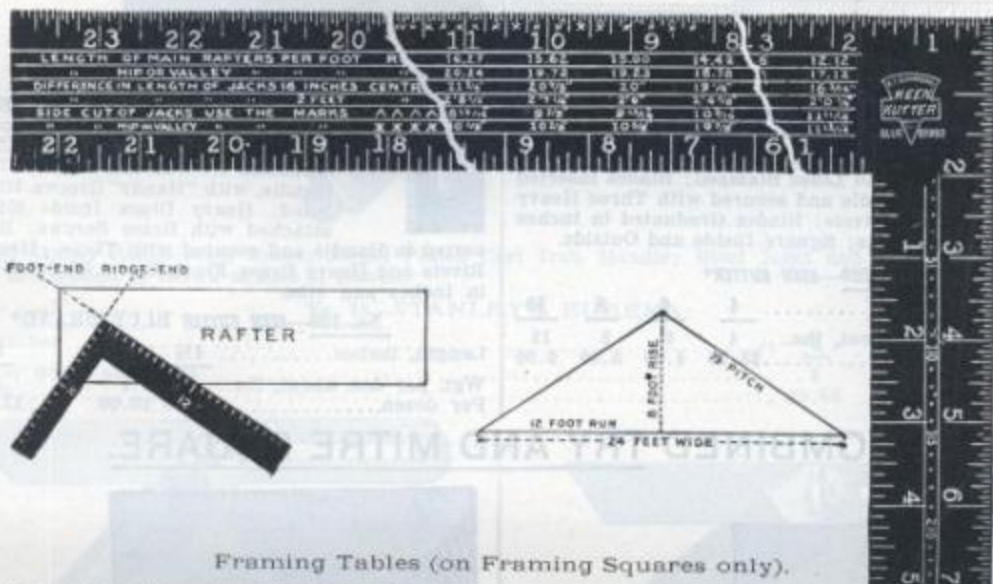


Octagon or Eight Square Scale.

THE OCTAGON SCALE is arranged on a plan that enables the workman to lay out with a gauge, or in any convenient manner, lines parallel with the four sides of a timber. When the corners are chamfered off to these lines, there will be eight equal sides on the timber. The end may be used, or if the chamfer does not come to the end a center line may be drawn through the length to be cut octagon, and the corner lines laid off by the scale. The rule is to take 5-24 of the width of the timber and lay it off each side of the center, then cut off the corners up to the line; thus the marks on the square are 5-24 inch apart for one inch square. Simply set the dividers into the first and fifth marks for a five inch square, etc.

- 229 -

HOW TO READ A SQUARE. (Continued.)



Framing Tables (on Framing Squares only).

Framing tables on the trade mark side, or face of the square.

The six rows of figures on the body, or widest blade, are each lettered at the left end of the body indicating their use.

FIRST: Look at the inch line figures on the outside, or top edge, of the body for the figure that is the same as the rise of your roof. Under this figure will be found all the figures giving lengths of rafters and all side cuts. The run is 1 foot on every table. There are seventeen of these tables, commencing at 2 inches and continuing to 18 inches.

FOR EXAMPLE: Take 8 inches rise to the foot or third pitch under the 8 inch line figure. For length of common rafters, use the first figures in the table, 14.42 inches, multiply by half the width of the building, which will give the whole length of the rafters. Suppose the width to be 20 feet, the rafters would be 144.20 inches long, or 12.01 feet.

FOR LENGTH OF "HIP" OR "VALLEY" rafter use the second figures, 18.78 inches, and again multiply by half the width of the building, 10 feet, and the result, 15.65 feet, is the length required. For top and bottom cuts of rafters, common and "Jacks," use the 8 inch and 12 inch marks on body and tongue, either way as most convenient. (The 8 inches is the vertical, or top, of the rafter, and the 12 inches is the horizontal, or bottom.) For "Hip" and "Valley" rafters, use 8 inches and 17 inches, proceeding same as before.

FOR LENGTH OF "JACK" RAFTERS, using third pitch as in previous example, the third number in the 8 inch table, 19 1/4 inches, is the length of the first "Jack" when they are spaced 16 inches between centers, and also the difference between the lengths of the others, each one 19 1/4 inches longer than the one nearer the first one.

The fourth figure in the same 8 inch table, 2 feet 4 1/2 inches, is the length of the first "Jack" rafter 2 feet between centers, also the difference in length of the others.

FOR SIDE CUT ON "JACKS," ETC., the fifth figures in the table under the 8 inch mark are 10 5/16 inches. These refer to the graduation marks on the outside edge of the body. Put that 10 5/16 inch mark on the edge of the "Jack" and the 12 inch mark on the tongue on the same edge, mark the tongue for side cut of "Jack." This also gives the right angle to cut planer and mouldings on the jet that run up the gable. The level planer and moulding cuts, roof boards and shingles can be marked on the body side of square or the references transposed, using the 12 inch on the body and the body reference given in the table on the tongue.

"HIP" AND "VALLEY" rafter side cuts are marked by using the last figure in the table same as before.

Please notice that the 12 inch mark on the tongue is always used in all angle cuts, both top and bottom and side cuts, thus leaving the workman but one number to remember when laying out side or angle cuts. This is the figure taken from the fifth or sixth number in the table. The cuts come always on the right hand or tongue side. When marking boards these can be reversed for convenience at any time by taking the 12 inch mark on the body and using the body reference on the tongue.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

TRY SQUARES.



High Class
Tools.

HIGHEST GRADE CRUCIBLE STEEL,
Extra Heavy Blade; with Cast Iron
Handle, FULL NICKEL PLATED; Fig-
ures and Lines Stamped; Blades inserted
in Handle and secured with Three Heavy
Iron Rivets; Blades Graduated in Inches
and 8ths; Square Inside and Outside.

No. 220—KEEN KUTTER*

Length, inches.....	4	6	8	10
Weight per dozen about, lbs....	4	6	8	12
Per dozen.....	\$3.25	4.00	5.00	6.00



HIGHEST GRADE CRUCIBLE STEEL,
Extra Heavy Blade, Polished and Blued;
FIGURES AND LINES CLEARLY
MARKED IN WHITE; Selected Rosewood
Handle, with "Handy" Groove, Highly Pol-
ished; Heavy Brass Inside Edge Plate
attached with Brass Screws; Blades in-
serted in Handle and secured with Three Heavy Iron
Rivets and Heavy Brass Flush Burs; Blades Graduated
in inches and 8ths.

No. 120—KEEN KUTTER BLUE BRAND*

Length, inches.....	4½	6	9	12
Wgt. per doz. about, lbs..	4	5	8	11
Per dozen.....	\$7.50	10.00	13.00	17.00

COMBINED TRY AND MITRE SQUARE.



Rolled Steel Blade, Polished; Figures
and Lines Stamped; Nickel Plated Cast
Iron Handle; Blade inserted in Handle
and secured with Three Iron Rivets;
Blade Graduated in inches and 8ths.

No. 1—STANLEY'S.

Length, inches.....	4	6	8
Weight per dozen about, lbs.....	3¼	4½	8
Per dozen.....	\$5.00	6.25	7.50



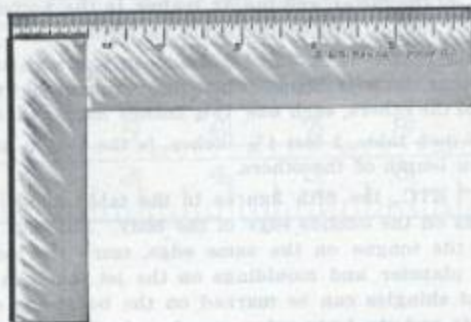
Rolled Steel Blade, Blued Finish; Fig-
ures and Lines Stamped; Polished Rose-
wood Handle, with "Handy" Groove;
Brass Inside Edge Plate attached to
Handle with Brass Pins; Blade inserted
in Handle and secured with Two Iron
Rivets; Blade Graduated in inches and 8ths.

No. 2—WINTERBOTTOM'S.

Length, inches.....	4½	6	7½	9
Weight per dozen about, lbs....	3	4	6	7
Per dozen.....	\$5.40	6.00	7.20	8.40

One-half Dozen in a Cardboard Box.

STEEL SQUARES.



Steel, Natural Finish; Graduated in 32nds on Both Corners of the Outside Edge.

No.	590	592	594	596	598
Length of Blade, inches.....	2	4	6	9	12
Width of Blade, inches.....	¾	1 5/16	1 ¼	1 ½	1 7/8
Length of Beam, inches.....	2	2 9/16	3 ¾	5	6 1/16
Weight per dozen about, lbs.	3	5	10 ¾	21	30
Per dozen	\$24.00	30.00	40.00	72.00	84.00

Packed Loose.

- 232 -

SLIDING T BEVELS.

Nickel Plated Rolled Steel Blade; Nickel Plated Cast Iron Handle; Steel Joint and Clamp Screw; Blade Clamped in Position by Screw at End of Handle.

No. 18—STANLEY'S EUREKA.

Length, inches	<u>6</u>	<u>8</u>	<u>10</u>
Weight per dozen about, lbs.....	5	6	7
Per dozen	\$6.60	8.40	9.10



Rolled Steel Blue Finish Blade; Polished Rosewood Handle; Brass Tips on Handle; Brass Thumb Screw; Steel Joint Screw; Blade Clamped in position by Thumb Screw at Joint; "Handy" Groove in Handle.

No. 25H—STANLEY'S.

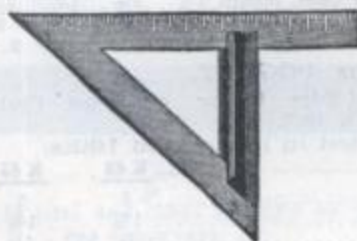
Length, inches	<u>6</u>	<u>8</u>	<u>10</u>	<u>12</u>
Weight per dozen about, lbs.....	2½	3	4	6
Per dozen	\$3.95	4.30	4.65	5.00



Rolled Steel Blue Finish Blade; Polished Rosewood Handle; Brass Tips on Handle; Brass Thumb Screw; Steel Joint Screw; Blade Clamped in position by Thumb Screw at Joint.

No. 25—DISSTON'S.

Length, inches	<u>6</u>	<u>10</u>	<u>12</u>
Weight per dozen about, lbs....	3	4	5
Per dozen	\$5.75	6.75	7.50

MITRE SQUARES.

FOX'S.

No. 50—Length 10 inches; Rolled Steel Nickel Plated Blade and Handle; Figures and Lines Stamped; Blade attached to Handle with Two Iron Rivets; Graduated in inches and 8ths; Weight per dozen about 6 lbs. \$12.00

Per Dozen

One-half Dozen in a Cardboard Box.



Nickel Plated Rolled Steel Blade; Nickel Plated Cast Iron Handle; Blade attached to Handle with Four Iron Rivets.

No. 16—STANLEY'S.

Length, inches	<u>8</u>	<u>10</u>
Weight per dozen about, lbs.....	8	9
Per dozen	\$7.70	8.80

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

MT



2. TAPE LINES.



KEEN KUTTER® CHESTERMAN PATTERN.

Finest Grain Kip Leather, Black Glaze Finish; Brass Mountings, Nickel Plated; Extended Folding Handle; Best WOVEN LINEN Tape, with Metallic Warp and Waterproof Enamel; Inch Figures and Lines in Black, and Feet in Red markings; Width of Tape $\frac{5}{8}$ inch; Graduated in Feet and Twelfths.

Nos.	K 51	K 52	K 53	K 50
Length of Tape, feet	25	50	75	100
Diameter of Case, inches	3 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5 $\frac{1}{2}$
Weight per dozen about, lbs.	6	9 $\frac{1}{4}$	12 $\frac{1}{4}$	15 $\frac{1}{2}$
Per dozen	\$27.00	36.00	48.00	60.00

GRADUATED IN 10ths and 100ths OF FEET ON ONE SIDE, FOR SURVEYORS' USE.

Nos.	K51/S	K52/S	K53/S	K50/S
Length of Tape, feet	25	50	75	100
Diameter of Case, inches	3 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5 $\frac{1}{2}$
Weight per dozen about, lbs.	6	9 $\frac{1}{4}$	12 $\frac{1}{4}$	15 $\frac{1}{2}$
Per dozen	\$27.00	36.00	48.00	60.00

One-twelfth Dozen in a Cardboard Box.



BLUE BRAND® REGULAR.

FINE BLUE ENAMELED STEEL CASE, with Brass Binding and Mountings; Oil Finished Heavy Warp COTTON TAPE, marked in Clear Blue Color; Folding Brass Winding Handle; Width of Tape $\frac{1}{2}$ inch; Graduated in inches and 4ths on one side.

Nos.	6025	6050	6066	6075	6100
Length of Tape, feet	25	50	66	75	100
Diameter of Case, inches	2 $\frac{3}{4}$	3 $\frac{1}{2}$	4 $\frac{1}{4}$	4 $\frac{1}{4}$	4 $\frac{3}{4}$
Wgt. per doz. about, lbs.	3	4 $\frac{1}{2}$	6	6	7
Per dozen	\$3.75	5.00	6.00	7.50	9.00



BLUE BRAND® RAILROAD.

FINE BLUE ENAMELED STEEL CASE, with Brass Binding and Mountings; Oil Finished Extra Heavy Warp COTTON TAPE with TEN STRANDS OF HEAVY LINEN THREAD interwoven lengthwise through entire Length; Figures and Lines marked in Clear Blue Color; Folding Brass Winding Handle; Width of Tape $\frac{3}{16}$ inch; Graduated in inches and 4ths on one side.

Nos.	25RR	50RR	66RR	75RR	100RR
Length of Tape, feet	25	50	66	75	100
Diameter of Case, inches	2 $\frac{3}{4}$	3 $\frac{1}{2}$	4 $\frac{1}{4}$	4 $\frac{1}{4}$	4 $\frac{3}{4}$
Wgt. per doz. about, lbs.	3	4 $\frac{1}{2}$	6	6	7
Per dozen	\$5.00	6.75	8.00	9.50	12.00

KEEN KUTTER POCKET.

Nickel Plated Brass Case, Round Edge, Spring Wind and Center Stop; Marked on One Side; Width of Tape $\frac{1}{4}$ inch.

Steel Tape, Graduated in inches and 16ths.

Nos.	K 43	K 45	K 48
Length, feet	3	5	8
Diameter of Case, inches	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Weight per dozen about, lbs.	$\frac{7}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$
Per dozen	\$9.00	12.00	18.00

Linen Tape, Graduated in inches and 8ths.

Nos.	K 73	K 75
Length, feet	3	5
Diameter of Case, inches	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Weight per dozen about, lbs.	$\frac{3}{4}$	1
Per dozen	\$4.00	6.00

One-half Dozen in a Cardboard Box.



-234-

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

UNIVERSAL TAPES. KEEN KUTTER TAPE LINES.



KEEN KUTTER®

Finest Grain Kip Leather, Black Glaze Finish; Brass Mountings, Nickel Plated; Extended Folding Handles; Finest Quality STEEL TAPE, 3/8 INCH WIDE; Graduated in Feet, Twelfths (Inches and Eighths). Instantaneous Markings, so that The Feet and Inch readings are always before the eye. SEE ILLUSTRATION.

Nos.	K 61	K 62	K 63	K 60
Length of Tape, feet.....	25	50	75	100
Diameter of Case, inches...	2 3/4	3 1/4	4 1/4	4 3/4
Weight per dozen about, lbs.	5 1/4	8	12	14 1/4
Per dozen	\$48.00	60.00	72.00	84.00

These Tapes have the Improved Method of marking, which overcomes the usual errors and annoyances in reading the Old Style Tape Line. The chief difficulty in reading a Steel Tape arises from the fact that the Bright Surface of the figures requires one to get just the proper light to distinguish them. In taking a measurement, the total length usually falls somewhere between the exact feet, and the reading before the eye is for the fraction of a foot only. It becomes necessary, therefore, to refer back to the foot figure before the total reading can be had. In doing this, in nine cases out of ten, the fractional reading is lost or forgotten and it is necessary to take a second measure to avoid error. This Improved Method consists of the repetition of a Foot Reading at every inch, in figures, easily distinguished from the subdivision figures, thereby bringing the Total Reading Instantaneously before the eye. For instance, suppose the total length measured should fall at 46 feet, 7 1/4 inches, the reading on the tape would appear as in the cut below.



GRADUATED IN 10ths AND 100ths OF FEET ON ONE SIDE FOR SURVEYORS' USE.

Nos.	±K61/S	±K62/S	±K63/S	±K60/S
Length of Tape, feet....	25	50	75	100
Diameter of Case, inches.	2 1/4	3 1/4	4 1/4	4 1/2
Weight per doz. about, lbs.	5 1/4	8	12	14 1/4
Per dozen.....	\$48.00	60.00	72.00	84.00

One-twelfth Dozen in a Cardboard Box.



KEEN KUTTER® JUNIOR.

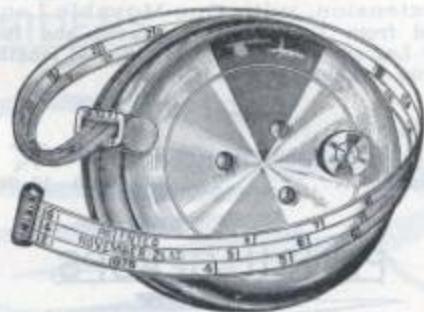
A First-class Durable Steel Tape, Light, Compact and about One-half the Size and Weight of our regular KEEN KUTTER Steel Tape Lines. Finest Grain Kip Leather, Black Glaze Finish. Brass Mountings, Nickel Plated; Extended Folding Handles; Fine STEEL TAPE 3/8 INCH WIDE; Graduated in Feet, Twelfths (inches and eighths).

Nos.	K 81	K 82	K 83	K 80
Length of Tape, feet.....	25	50	75	100
Diameter of Case, inches.....	2 1/4	2 3/4	3 3/8	3 3/4
Weight per dozen about, lbs....	2 3/4	4 1/2	6 3/4	8 1/4
Per dozen	\$39.00	48.00	60.00	78.00

GRADUATED IN 10ths and 100ths OF FEET ON ONE SIDE FOR SURVEYORS' USE.

Nos.	±K81/S	±K82/S	±K83/S	±K80/S
Length of Tape, feet....	25	50	75	100
Diameter of Case, inches	2 1/4	2 3/4	3 3/8	3 3/4
Weight per doz. about, lbs	2 3/4	4 1/2	6 1/2	8 1/4
Per dozen.....	\$39.00	48.00	60.00	78.00

One-twelfth Dozen in a Cardboard Box.



WADLEIGH'S-LUMBERMAN'S.

No. 110—Heavy Polished Brass Case and Mountings; FINE LINEN TAPE; Brass Winding Knob; Width of Tape 9/16 inch; LENGTH OF TAPE 50 FEET; Figures and Lines marked Black; Combination Graduation in feet, inches and Board Measure; Figured to measure boards, Lengths 12, 14, 16, 18 and 20 feet; Diameter of Case 3 3/8 inches; Weight per dozen about 7 lbs.....\$30.00

One-half Dozen in a Cardboard Box.

TAPES ONLY.

No. 110T—TAPES ONLY; To fit Cases of No. 110
Tape Lines\$18.00
One-twelfth Dozen in a Cardboard Box.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

DIVIDERS.



KEEN KUTTER*

Forged from Highest Grade Crucible Steel, Oil Tempered, Full Nickel Plated.

No. 10—KEEN KUTTER*.

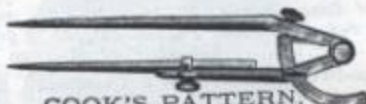
Length, inches	6	7	8	10	12
Wgt. per doz. about, lbs.	3½	4½	5	8½	10
Per dozen	\$5.50	6.50	7.50	10.00	12.00

No. 1—STANDARD.

Forged from Tool Steel; Tempered and Polished; Brass Joints.

Length, inches	6	7	8	10	12
Wgt. per doz. about, lbs.	3½	4½	5	8½	10
Per dozen	\$5.50	6.50	7.50	10.00	12.00

6, 7 and 8 inch, One Dozen; 10 and 12 inch, One-half Dozen in a Cardboard Box.



COOK'S PATTERN,

Extension, with One Movable Leg.

Forged from Tool Steel, Tempered and Polished; Movable Leg can be Adjusted to different lengths, or a Pencil can be substituted in its place.

No. 2—COOK'S.

Length, inches	6	7	8
Weight per dozen about, lbs.	4	4½	5
Per dozen	\$9.00	10.00	11.00

PENCIL CLASPS.



Showing Clasp as used. Per Dozen

No. 8—STANLEY'S: Length 1 inch; Malleable Iron, Nickel Plated; For use on Compass or Dividers; Weight per dozen about ½ lb. \$1.25
One Dozen on an Easel Card; Two Cards in a Box.



No. 8099—EXCELSIOR: Set Screw Adjustment; Stamped Steel Nickel Plated Holder; Polished Tool Steel Tempered Point; Weight per dozen about ¼ lb. \$3.00
One Dozen in a Package

PENCIL COMPASSES.

This Handy Pencil Compass, is used by Carpenters, Mechanics, Draughtsmen, etc.; can be carried in Pocket for constant use.



Per Dozen



KEEN KUTTER* SPRING,
With Solid Nut.

Highest Grade Crucible Steel, Polished and Tempered; Strong Steel Spring.

Nos.	K 64	K 66	K 68
Length, inches	4	6	8
Weight per dozen about, lbs.	1	3¼	4½
Per dozen	\$9.00	10.20	12.00

One-quarter Dozen in a Cardboard Box.



STARRETT'S Yankee Spring, Solid Nut.

Forged from High Grade Tool Steel, Tempered and Polished; Heavy Steel Spring at Head.

No. 83—STARRETT'S.

Length, inches	3	4	6
Weight per dozen about, lbs.	1	1½	2½
Per dozen	\$8.40	9.00	10.20

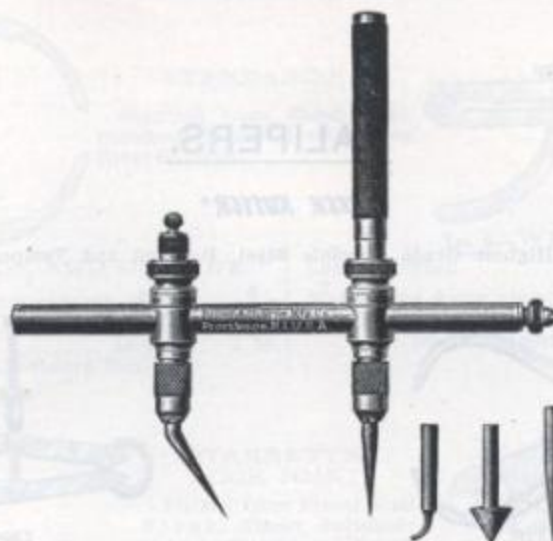


STARRETT'S EXTENSION,
With Two Movable Legs.

Forged from High Grade Tool Steel, Tempered and Polished; Legs can be Adjusted to different Lengths, or a Pencil can be substituted in place of either one.

No. 85—STARRETT'S.

Length, not extended, inches	7	9
Weight per dozen about, lbs.	8	12
Per dozen	\$15.00	18.00

UNIVERSAL DIVIDERS.

Steel, Natural Finish. The Scriber Point Holder has both Fine and Quick Adjustment; The Fine Adjustment is obtained by a Screw enclosed in a Beam, which engages the Nut on the Scriber Point Holder. The Scriber Point is Adjustable either side of the center. The Posts are Clamped by Knurled Nuts and held in place by Spring Friction when the Nuts are unclamped for setting the Joints. A "V" Point is furnished for use in Describing a Circle about a hole already drilled. A Calliper Point is also included. The Beam is 4 inches Long and the Points can be set to describe a Circle 8 inches in diameter.

No. 856—Weight each about 4 ozs. Each \$3.00
Packed Loose.

EXTENSION DIVIDERS.

Bronzed Body with Steel Points, Nickel Plated; A Common Pencil fits either Socketed Leg, while an Auxiliary Holder fits Reversed End of either Short Point for an Extension. The Head, with Short Point is 8 inches Long and may be extended 2 inches more; Will Caliper 10 inches Outside and 12½ inches Inside. With Short Points it will scribe a 24 inch and with Long Points a 34 inch Circle.

No. 90B—Complete with Short and Long Points; Weight each about 1½ lbs. Each \$2.25



Head and Arms made of Malleable Iron, and the rest Steel, Polished; A Common Pencil fits either Socketed Leg; The Smallest Size is 7 inches Long; Can be Adjusted to 9 inches and will Scribe a 22 inch Circle; Will Caliper 11 inches Outside and 13 inches Inside. The Second Size is 9 inches Long and can be Adjusted to 12 inches and will Scribe a 30 inch Circle and Caliper 14 inches Outside and 16 inches Inside.

No. 85C—7 INCH; Complete as described Above; Weight each about 1 lb. Each \$2.25
No. 85D—9 INCH; Complete as Described Above; Weight each about 1½ lbs 2.50
No. 85A—7 INCH; WITH DIVIDER LEGS ONLY; Weight each about ¾ lb. 1.25
No. 85B—9 INCH; WITH DIVIDER LEGS ONLY; Weight each about 1 lb. 1.50

One in a Cardboard Box.

TRADE MARK:
E. G. SIMMONS' KEEN KUTTER
REGISTERED.

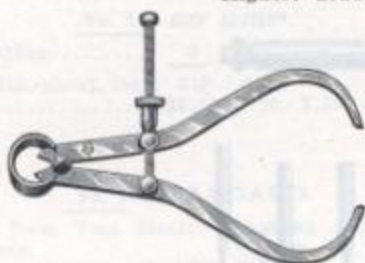
UNIVERSAL DIVIDERS



CALIPERS.

KEEN KUTTER®

Highest Grade Crucible Steel, Polished and Tempered.



OUTSIDE.



INSIDE.

Spring; Solid Nut.

Nos.	K 34	K 36	K 38	Nos.	K 24	K 26	K 28
Length, inches	4	6	8	Length, inches	4	6	8
Weight per dozen about, lbs.	1¾	2½	4¾	Weight per dozen about, lbs.	1¾	3	4½
Per dozen	\$9.00	10.20	12.00	Per dozen	\$9.00	10.20	12.00



OUTSIDE.



INSIDE.

Firm Joint.

Nos.	K 46	K 48	K 410	Nos.	K 56	K 58	K 510
Length, inches	6	8	10	Length, inches	6	8	10
Weight per dozen about, lbs.	2½	4½	6	Weight per dozen about, lbs.	2	4	5
Per dozen	\$7.80	9.60	10.80	Per dozen	\$7.80	9.60	10.80

Nos.	K 412	K 414	K 416	Nos.	K 512	K 514	K 516
Length, inches	12	14	16	Length, inches	12	14	16
Weight per dozen about, lbs.	10	11½	18	Weight per dozen about, lbs.	8¾	9½	14
Per dozen	\$12.00	18.00	21.00	Per dozen	\$12.00	18.00	21.00

One-fourth Dozen in a Cardboard Box.

CALIPERS.

MT



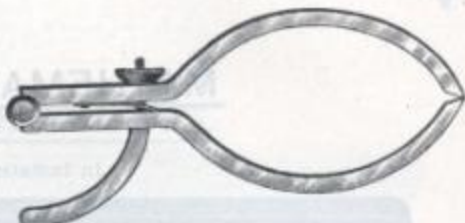
STANDARD.

Stamped from Sheet Steel,
Polished; Heavy Beveled Iron
Rivet at Joint.

No. 9—DOUBLE INSIDE AND OUTSIDE.

Length, inches	4	6
Weight per dozen about, lbs.	1	2
Per dozen	\$4.00	5.50

One Dozen in a Cardboard Box.



No. 5—WING OUTSIDE.

Length, inches	6
Weight per dozen about, lbs.	3
Per dozen	\$7.00

One-half Dozen in a Cardboard Box.



**STARRETT'S.
LOCK JOINT.**

Forged from Finest Tool
Steel, Finely Polished;
Heavy Clamping Thumb
Screw at Joint.



No. 37—STARRETT'S INSIDE TRANSFER.

Length, inches	4	6	8	10	12
Wgt. dozen about, lbs.	2	3½	6	8	12
Per dozen	\$15.00	18.00	21.00	24.00	27.00

Can be used as a Common Caliper and also for use inside of chambered cavities, over flanges, etc.; Removed and replaced without losing the Size Caliper. This is done by loosening the Nut binding one Arm to the Auxiliary Leaf and Swinging it out or in while the Joint is locked, to clear the obstruction, then moving it back against stop, where it will show the exact size measured.

One-quarter Dozen in a Cardboard Box.

No. 36—STARRETT'S OUTSIDE TRANSFER.

Length, inches	4	6	8	10	12
Wgt. dozen about, lbs.	3	4	6	8	12
Per dozen	\$15.00	18.00	21.00	24.00	27.00



**FIRM JOINT.
Hermaphrodite.**

Tempered Steel, Natural Finish, with Adjustable Point.

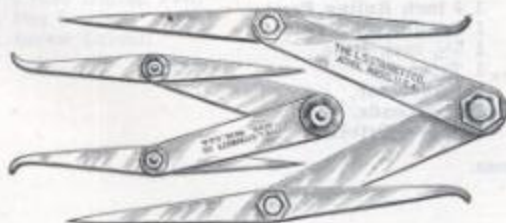
Nos.	1054	1055	1056
Length, inches	4	6	8
Weight per dozen about, lbs.	1½	2¼	4¾
Per dozen	\$7.80	9.60	12.00

Packed Loose.



**SPRING; KEYHOLE.
Polished Steel; Solid Nut.**

Nos.	969	971
Length, inches	3	4
Weight per dozen about, lbs.	1½	2
Per dozen	\$12.00	13.20



DOUBLE; POLISHED STEEL.

This Instrument, as will be seen from the illustration, is a Combination of a Divider, an Inside and Outside Caliper. It has Starrett's Improved Firm Friction Joints.

No. 44.

Length, inches	6	8
Weight each about, ozs.	7	10
Per dozen	\$15.00	18.00

One-quarter Dozen in a Cardboard Box.



MATHEMATICAL INSTRUMENTS.

NICKEL PLATED.

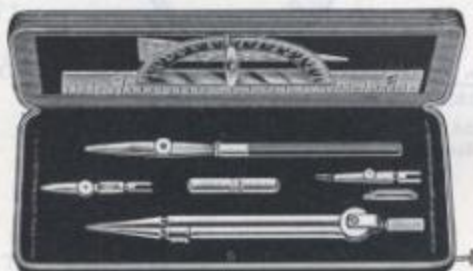
In Imitation Morocco Covered Cases, Velvet Lined.



No. 40—Size of Case $6\frac{1}{2} \times 2\frac{3}{4}$ inches; Weight per set about 5 ozs. \$1.30

Contents:

- 1 5 inch Divider,
- 1 Extra Pen and Pencil Point,
- 1 $5\frac{1}{2}$ inch Rule,
- 1 Triangle,
- 1 Protractor,
- 1 Box Leads,
- 1 Screw Driver.



No. 41—Size of Case $6\frac{1}{2} \times 2\frac{3}{4}$ inches; Weight per set about 5 ozs. \$1.65

Contents:

- 1 5 inch Divider,
- 1 Extra Pen and Pencil Point,
- 1 5 inch Ruling Pen,
- 1 $5\frac{1}{2}$ inch Rule,
- 1 Triangle,
- 1 Protractor,
- 1 Box Leads,
- 1 Screw Driver.



No. 43—Size of Case $6\frac{1}{2} \times 3$ inches; Weight per set about 6 ozs. \$2.00

Contents:

- 2 5 inch Dividers,
- 1 Extra Pen and Pencil Point,
- 1 5 inch Ruling Pen,
- 1 $5\frac{1}{2}$ inch Rule,
- 1 Triangle,
- 1 Protractor,
- 1 Box Leads,
- 1 Screw Driver.



No. 44—Size of Case $6\frac{1}{2} \times 3\frac{1}{4}$ inches; Weight per set about 7 ozs. \$2.25

Contents:

- 2 5 inch Dividers,
- 1 Extra Pen and Pencil,
- 1 5 inch Ruling Pen,
- 1 Lengthening Bar,
- 1 $5\frac{1}{2}$ inch Rule,
- 1 Triangle,
- 1 Protractor,
- 1 Box Leads,
- 1 Screw Driver.

Packed Loose.

-241-

MATHEMATICAL INSTRUMENTS.

NICKEL PLATED.

In Imitation Morocco Covered Cases, Velvet Lined.



No. 45—Size of Case $3\frac{1}{4} \times 3\frac{1}{2}$ inches; Weight per set about 8 ozs. Per Set \$3.15

Contents:

- | | | |
|-------------------------------|---------------------------------------|-----------------|
| 1 5 inch Divider, | 1 5 inch Ruling Pen, | 1 Protractor, |
| 1 5 inch Compass, | 1 $3\frac{3}{4}$ inch Spring Bow Pen, | 1 Box Leads, |
| 1 Extra Pen and Pencil Point, | 1 $5\frac{1}{2}$ inch Rule, | 1 Screw Driver. |
| 1 Lengthening Bar, | 1 Triangle, | |

GERMAN SILVER AND STEEL.

In Leather Covered Cases, Velvet Lined.



No. 11—Size of Case 7x3 inches; Weight per set
about 7 ozs. Per Set \$3.00

Contents:

- 1 6 inch Divider,
- 1 Extra Pen and Pencil Point,
- 1 Lengthening Bar,
- 1 5 inch Ruling Pen,
- 1 Box Leads,
- 1 Screw Driver.



No. 12—Size of Case $8 \times 3\frac{1}{2}$ inches; Weight per set
about 9 ozs. Per Set \$4.50

Contents:

- 1 6 inch Divider,
- 1 6 inch Compass,
- 1 Extra Pen Point,
- 1 Lengthening Bar,
- 1 5 inch Ruling Pen,
- 1 $3\frac{3}{4}$ inch Spring Bow Pen,
- 1 Box Leads,
- 1 Screw Driver.

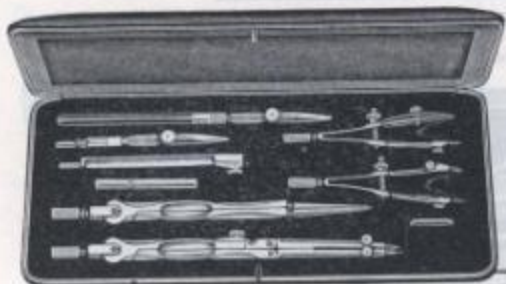
Packed Loose.



MATHEMATICAL INSTRUMENTS.

GERMAN SILVER AND STEEL.

In Leather Covered Cases, Velvet Lined.

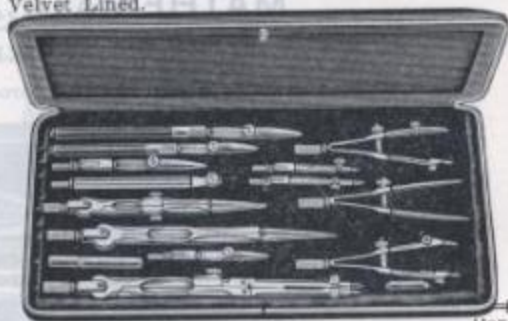


Per Set

No. 13—Size of Case $8\frac{1}{2} \times 3\frac{3}{8}$ inches; Weight per set about 10 ozs. \$5.25

Contents:

- 1 6 inch Divider,
- 1 6 inch Compass,
- 1 Extra Pen Point,
- 1 Lengthening Bar,
- 1 5 inch Ruling Pen,
- 1 $3\frac{1}{4}$ inch Spring Bow Pen,
- 1 $3\frac{1}{4}$ inch Spring Bow Pencil,
- 1 Box Leads,
- 1 Screw Driver.

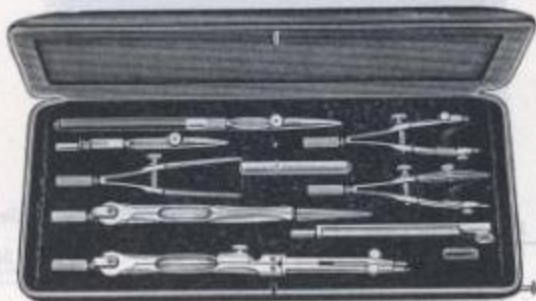


Per Set

No. 5—Size of Case $9\frac{1}{4} \times 4\frac{1}{4}$ inches; Weight per set about 14 ozs. \$9.00

Contents:

- 1 6 inch Divider,
- 1 6 inch Compass,
- 1 $4\frac{1}{4}$ inch Compass,
- 2 Extra Pen Points,
- 1 Extra Pencil Point,
- 1 Extra Needle Point,
- 1 Lengthening Bar,
- 1 5 inch Ruling Pen,
- 1 $4\frac{1}{4}$ inch Ruling Pen,
- 1 $3\frac{1}{2}$ inch Spring Bow Spacer,
- 1 $3\frac{1}{4}$ inch Spring Bow Pen,
- 1 $3\frac{1}{4}$ inch Spring Bow Pencil,
- 1 Box Leads,
- 1 Screw Driver.



Per Set

No. 14—Size of Case $8\frac{1}{2} \times 4$ inches; Weight per set about 11 ozs. \$6.00

Contents:

- 1 6 inch Divider,
- 1 6 inch Compass,
- 1 Extra Pen Point,
- 1 Lengthening Bar,
- 1 5 inch Ruling Pen,
- 1 $3\frac{1}{4}$ inch Spring Spacer,
- 1 $3\frac{1}{4}$ inch Spring Bow Pen,
- 1 $3\frac{1}{4}$ inch Spring Bow Pencil,
- 1 Box Leads,
- 1 Screw Driver.



FOLDING POCKET CASE.

Per Set

No. 25—Size of Case $8\frac{1}{2} \times 4\frac{1}{4}$ inches; Weight per set about 12 ozs. \$11.00

Contents:

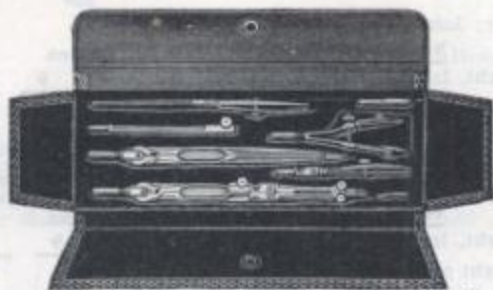
- 1 6 inch Divider,
- 1 6 inch Compass,
- 1 Extra Pen Point,
- 1 Lengthening Bar,
- 1 5 inch Ruling Pen,
- 1 $4\frac{1}{4}$ inch Ruling Pen,
- 1 $3\frac{1}{2}$ inch Spring Bow Spacer,
- 1 $3\frac{1}{2}$ inch Spring Bow Pen,
- 1 $3\frac{1}{2}$ inch Spring Bow Pencil,
- 1 Box Leads,
- 1 Screw Driver.

Packed Loose.

-243-

MATHEMATICAL INSTRUMENTS.

Highest Grade German Silver and Steel.
In Genuine Morocco Folding Pocket Cases, Velvet Lined.



No. 23—Size of Case $8\frac{1}{2} \times 3$ inches; Weight per set about 9 ozs. \$12.00

Contents:

- 1 6 inch Divider,
- 1 6 inch Compass,
- 1 Extra Pen Point,
- 1 Lengthening Bar,
- 1 5 inch Ruling Pen,
- 1 $3\frac{1}{2}$ inch Spring Bow Pen,
- 1 Box Leads,
- 1 Screw Driver.



Pivot Joint; Self-Centering Handle. Per Set
No. 24—Size of Case 9×4 inches; Weight per set about 11 ozs. \$15.00

Contents:

- 1 6 inch Divider,
- 1 6 inch Compass,
- 1 Extra Pen Point,
- 1 Lengthening Bar,
- 1 5 inch Ruling Pen,
- 1 $4\frac{1}{4}$ inch Ruling Pen,
- 1 $3\frac{1}{2}$ inch Spring Bow Spacer,
- 1 $3\frac{1}{2}$ inch Spring Bow Pen,
- 1 $3\frac{1}{2}$ inch Spring Bow Pencil,
- 1 Box Leads,
- 1 Screw Driver.

**DIVIDERS.**

Polished Brass Legs, with Steel Tips.

No. D204— $5\frac{1}{2}$ INCH; Weight per dozen about $1\frac{1}{4}$ lbs. Per Dozen \$6.00
No. 205— $6\frac{1}{2}$ INCH; Weight per dozen about $1\frac{1}{2}$ lbs. 7.20

**SPRING BOW SPACER.**

German Silver; Metal Handle.

No. 176— $3\frac{1}{2}$ INCH; Weight per dozen about $\frac{3}{4}$ lb. Per Dozen \$12.00

**SPRING BOW PEN.**

German Silver; Metal Handle.

No. 178— $3\frac{1}{2}$ INCH; Weight per dozen about $\frac{3}{4}$ lb. Per Dozen \$18.00



No. 179.



No. 182.

RULING PENS.

German Silver; Bone Handle.

No. 179—5 INCH; WITH FAST JOINT; Weight per dozen about $\frac{3}{4}$ lbs. Per Dozen \$4.00
No. 181— $4\frac{1}{2}$ INCH; WITH HINGED BLADE; Weight per dozen about $\frac{3}{4}$ lbs. 10.00
No. 182—5 INCH; WITH HINGED BLADE; Weight per dozen about $\frac{1}{2}$ lbs. 10.00

Packed Loose.



TRIANGLES.



No. 284



No. 285



No. 286



No. 287

POLISHED PEAR-WOOD; Open Center; Joints Framed and Glued.

No. 284—Angles 30, 60 and 90 Degrees.

Height, inches	7	9	11	13
Weight per dozen about, lbs.	1/2	3/4	1	1 1/4
Per dozen	\$5.00	6.00	7.20	9.60

No. 285—Angles 45, 45 and 90 Degrees.

Height, inches	5	7	9	11
Weight per dozen about, lbs.	1/2	3/4	1	1 1/4
Per dozen	\$5.00	6.00	7.20	9.60

POLISHED BLACK HARD RUBBER; Open Center; Made in One Piece.

No. 286—Angles 30, 60 and 90 Degrees.

Height, inches	4	6	8	10
Weight per dozen about, lbs.	1/4	3/8	1/2	1
Per dozen	\$6.00	8.40	12.00	15.60

No. 287—Angles 45, 45 and 90 Degrees.

Height, inches	4	6	8	10
Weight per dozen about, lbs.	3/8	1/2	3/4	1
Per dozen	\$8.40	10.80	16.80	24.00

IMPROVED XYLONITE (Transparent).

No. 1855—Angles 30, 60 and 90 Degrees.

Size, inches	4	5	6	7	8
Per dozen	\$3.00	4.20	4.80	5.40	6.60
Size, inches	9	10	11	12	
Per dozen	\$7.80	9.00	10.20	12.00	

No. 1856—Angles 45, 45 and 90 Degrees.

Size, inches	4	5	6	7	8
Per dozen	\$4.20	5.40	6.00	7.80	9.00
Size, inches	9	10	11	12	
Per dozen	\$11.40	13.20	16.20	19.80	

Packed Loose; These Triangles are Very Light and can be sent by mail.

IRREGULAR CURVES.



Cuts 1/7 Actual Size.

HARDWOOD.

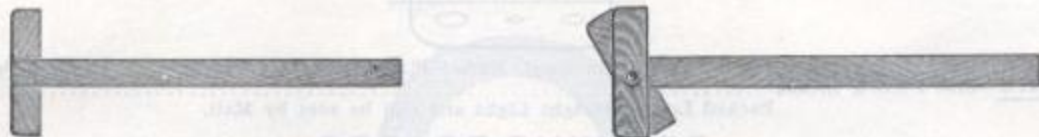
No.	Per Dozen
8821A	\$ 2.25
8821B	3.00
8821C	3.40
8821D	3.40
8821E	3.40
8821F	3.00
8821G	3.40
8821H	2.25
8821I	3.40
8821K	3.75
8821L	2.00
8821M	4.90

XYLONITE (Transparent).

No.	Per Dozen
8823A	\$ 4.50
8823B	6.00
8823C	6.75
8823D	6.75
8823E	6.75
8823F	6.00
8823G	6.75
8823H	4.50
8823I	6.75
8823K	7.50
8823L	4.10
8823M	9.75

Packed Loose; These Goods are Very Light and can be sent by mail.

T SQUARES.



POLISHED PEAR-WOOD; Heads secured with Four Brass Screws and Glued.

FIXED HEAD.

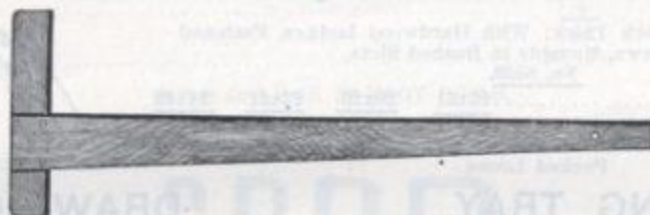
No. 1P.

Length of Blade, inches.....	24	30	36
Length of Head, inches.....	9	10	11
Weight per dozen about, lbs.....	3	3½	6
Per dozen	\$10.80	12.50	15.60

FIXED HEAD on One Side, Swivel Head on Other Side.

No. 2P.

Length of Blade, inches.....	24	30	36
Length of Head, inches.....	9	10	11
Weight per dozen about, lbs.....	5	6	7
Per dozen	\$21.00	27.00	30.00



Mahogany Head and Blade, Edges Ebony Lined; Beveled Edge; Fixed Head; Blade Tapered to Prevent Spring. Drawing Edge is in Line with Middle of Head.

No. 2400.

Length, inches	30	36	42	48	54
Weight per dozen about, lbs.....	4	5	6	7½	12
Per dozen	\$14.40	16.80	19.20	22.20	27.00

Packed Loose.

PROTRACTORS.



BRASS, Finely Polished; Figures and Lines Stamped; Half Circle; Used for Finding Angles.

	Per Dozen
No. 238—LENGTH 4 INCHES; Graduated in Degrees	\$ 6.00
No. 239—LENGTH 5 INCHES; Graduated in Degrees and Half Degrees.....	12.00
No. 240—LENGTH 6¼ INCHES; Graduated in Degrees and Half Degrees.....	15.00
Weight per Dozen about ½ lb.	

TRIANGULAR SCALES.



Length 12 inches; Divided to Scales of $\frac{3}{32}$, $\frac{3}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{3}{8}$, 1 , $1\frac{1}{2}$ and 3 inches to the foot and inches and 16ths; Width $\frac{3}{4}$ inch.

	Per Dozen
No. 64M—POLISHED ROLLED STEEL; Weight per dozen about 2 lbs.....	\$30.00
No. 64—BOXWOOD; Selected and Polished Boxwood; Weight per dozen about 1 lb.....	12.00

Packed Loose.



ERASING SHIELDS.



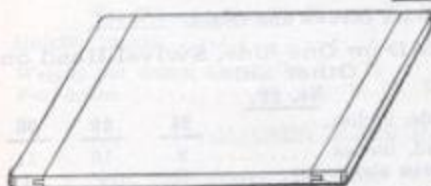
Very Thin Steel, Nickel Plated.

No. 3411M—Size 2 $\frac{1}{2}$ x3 $\frac{3}{4}$ inches

Packed Loose; Weight Light and can be sent by Mail.

Per Dozen
\$3.00

DRAWING BOARDS.



Whitewood; About $\frac{3}{8}$ inches Thick; End Cleats Tongued and Grooved; Both Sides Flat.

No. 8500.

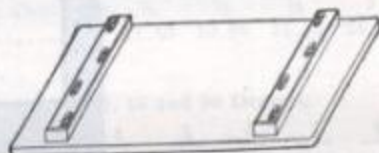
Size, inches	12x17	16x21	18x23	20x26	23x31
Weight per dozen about, lbs.	22	52	62	80	96
Per dozen	\$6.40	9.30	12.40	15.50	20.00

Pine Wood; About $\frac{5}{8}$ inch Thick; With Hardwood Ledges, Fastened by Screws, Movable in Bushed Slots.

No. 8520.

Size, inches	16x21	20x26	23x31	31x42
Weight per dozen about, lbs.	5	7	9 $\frac{1}{2}$	18 $\frac{1}{2}$
Per dozen	\$15.00	19.80	33.40	54.00

Packed Loose.



WHITLING TRAY.



For Elementary Work.

Made of Seasoned Poplar, Planed and Smoothed; $\frac{1}{2}$ inch board; Dove-tailed Frame, Reinforced; Size 14 $\frac{1}{2}$ by 20 inches; Complete with One Sloyd Knife, One Try Square, One 12 inch Rule, One Triangle, One Pencil Compass, One "T" Square and One Eraser.

Per Dozen

No. 4—Complete, as Described Above; Weight per dozen about 60 lbs. \$38.00
Packed Loose.

DRAWING KITS.



Made of Kiln Dried Maple; Each Kit Consists of 1 Drawing Board, 1 "T" Square and 2 Triangles.

Nos.	1	2	3
Size, inches	10x12	13x19	17x22
Weight each about, lbs.	1	1 $\frac{1}{2}$	2
Each	\$0.75	1.25	2.25

Packed Loose.

THUMB TACKS.

Solid Steel Head; Extra Quality Steel Points.

Per Gross

No. 10—Diameter of Head $\frac{3}{8}$ inch; Length of Point $\frac{1}{4}$ inch; Weight per gross about $\frac{1}{2}$ lbs. \$ 1.20
No. 12—Diameter of Head $\frac{1}{2}$ inch; Length of Point $\frac{3}{16}$ inch; Weight per gross about 10 ounces 1.50
Solid Steel Head, Enameled Red, White and Blue; Extra Quality Steel Points.

Per Gross

No. 34—ASSORTED COLORS, Red, White and Blue; Diameter of Head $\frac{3}{8}$ inch; Length of Point $\frac{3}{8}$ inch; Weight per gross about $\frac{3}{4}$ lb. \$ 4.00

One Dozen on a Wood Block; Twelve Blocks (One Gross Tacks) in a Cardboard Box.

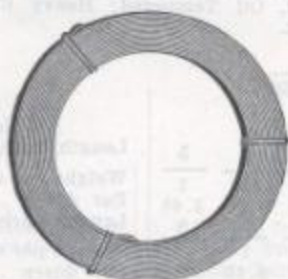
Solid Brass Head, Extra Quality Steel Points.

Per Gross

No. 13—Diameter of Head $\frac{3}{8}$ inch; Length of Point $\frac{1}{4}$ inch; Weight per gross about $\frac{1}{2}$ lb. \$ 2.00
No. 14—Diameter of Head $\frac{1}{2}$ inch; Length of Point $\frac{3}{16}$ inch; Weight per gross about 10 ounces 2.25
No. 15—Diameter of Head $\frac{3}{8}$ inch; Length of Point $\frac{3}{8}$ inch; Weight per gross about $\frac{3}{4}$ lb. 2.50

VENETIAN IRON AND BINDERS.

VENETIAN IRON.



Venetian Iron in Coils.

Low Carbon Annealed Flat Steel Wire, Natural Finish; Very Pliable; $\frac{3}{64}$ inch Thick; 50 feet in a Coil.

Width, inches	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{8}$
Weight per coil, ozs.	10	13	19	32
Per pound	\$0.12 $\frac{1}{2}$.12	.12	.12

SOLD ONLY IN 50 FOOT COILS.

BINDERS.



$\frac{1}{4}$ in. $\frac{3}{16}$ in. $\frac{1}{4}$ in. $\frac{3}{8}$ in.

Cuts full size.

Low Carbon Annealed Flat Steel Wire, Natural Finish; Very Pliable; $\frac{1}{32}$ inch Thick.

Size of opening, inches	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{3}{8}$
Weight per 100, ozs.	$\frac{2}{3}$	$\frac{4}{3}$	1	$1\frac{2}{3}$
Per hundred	\$0.10	.10	.10	.10

100 in an Envelope.



Cuts show Illustrations of Venetian Iron and Binders.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

PLIERS.

KEEN KUTTER*

Forged from Highest Grade Crucible Steel, Oil Tempered; Heavy Rivet at Joint.



No. 089F—Flat Nose.

		Polished Jaws; Natural Finish Handles.		
		3	4	5
Length, inches		3	4	5
Weight per dozen about, lbs.		¾	1½	3
Per dozen		\$3.20	3.20	3.60
Length, inches		6	7	8
Weight per dozen about, lbs.		4	7	10
Per dozen		\$5.00	6.40	7.75

No. 890R—Round Nose.

		Natural Finish Handles and Jaws.		
		3	4	5
Length, inches		3	4	5
Weight per dozen about, lbs.		¾	1½	3
Per dozen		\$3.20	3.20	3.60
Length, inches		6	7	8
Weight per dozen about, lbs.		4	7	8½
Per dozen		\$5.00	6.40	7.75

One-half Dozen in a Wood Box.

KEEN KUTTER*

Forged from Highest Grade Crucible Steel, Oil Tempered; Heavy Rivet at Joint; Polished and Scored Jaws; Natural Finish Handles; BOX JOINT.



No. 950—Raised Side Cutting.

		5	6	7	8
Length, inches		5	6	7	8
Weight per dozen about, lbs.		2½	5	8	11
Per dozen		\$12.00	15.00	17.00	20.00

No. 1950—Raised Side Cutting, with Insulated Handles.

		6	7	8
Length, inches		6	7	8
Weight per dozen about, lbs.		6	9	12
Per dozen		\$24.00	30.00	36.00

The insulation on these Pliers is tested to insulate against a current of 2,500 volts. The insulation covering is not brittle and will not flake off.

One-half Dozen in a Wood Box.



KEEN KUTTER* Milliners'.

		Per Dozen		
No. KK51—Forged from Crucible Steel, Nickel Plated and Polished; Jaws Tempered; Face of Jaws Scored; Long Nose, with Side Cutter; Lap Joint with Steel Rivet; Length over all 5¼ inches; Weight per dozen about 2¼ lbs.				\$12.00



KEEN KUTTER* Klein Pattern Lineman's.

Forged from Crucible Steel, Tempered; Polished Jaws; Gun Metal Finish Handles; Heavy Rivet at Joint; Raised Side Cutter; Face of Jaws Milled.

No. 960—KEEN KUTTER*.

		6	7	8
Length, inches		6	7	8
Weight per dozen about, lbs.		5½	8½	12
Per dozen		\$13.50	17.00	20.00

One-half Dozen in a Cardboard Box.



		Per Dozen		
No. 59—Length 7 inches; Heavy Insulated Handles, Flaring at Jaws to Prevent Hand from Coming in Contact with Steel; Weight per dozen about 8¼ lbs.				\$24.00

Electricians'.

Forged from Tool Steel; Nickel Plated Jaws; Lap Joint; Face of Jaws Scored; Raised Side Cutting.



No. 590—Heavy Insulated Handles.

		7	8
Length, inches		7	8
Weight per dozen about, lbs.		9	12
Per dozen		\$18.00	20.00

One-twelfth Dozen in a Cardboard Box.

PLIERS.



STANDARD.

Forged from Tool Steel, Oil Tempered; Heavy Rivet at Joint; Polished Jaws; Natural Finish Handles; Lap Joint.

Diagonal Cutting.

No.	311
Length, inches	5
Weight per dozen about, lbs.	3½
Per dozen	\$13.00



STANDARD.

Forged from Tool Steel, Oil Tempered; Heavy Rivet at Joint; Polished and Scored Jaws; Natural Finish Handles; Lap Joint; Adapted especially for Electricians, Machinists, Jewelers and Opticians.

Long Nose, Side Cutting.

No.	654
Length, inches	5½
Length of Jaws, inches	1¾
Weight per dozen about, lbs.	2½
Per dozen	\$15.00

One-half Dozen in a Cardboard Box.

BERNARD'S.

Jaws Forged from Tool Steel, Tempered; Handles Stamped from Heavy Sheet Steel; Steel Rivets at Joint; Jaws Parallel at all times; Open Throat which allows a wire to pass entirely through, as shown in cut; Knurled Grips; Full Nickel Plated; Face of Jaws Scored.



BERNARD'S.

No. 145BR—Round Nose.

Length, inches	4½	5½
Weight per dozen about, lbs.	3	4
Per dozen	\$6.00	8.00



BERNARD'S.

No. 45BF—Flat Nose.

Length, inches	4½	5½	6½
Weight per dozen about, lbs.	3	4½	6
Per dozen	\$6.00	8.00	10.00



BERNARD'S.

No. 245BC—Flat Nose Cutting.

Length, inches	4½	5½	6½	7½
Weight per dozen about, lbs.	3	4½	6	(Extra Heavy) 12
Per dozen	\$11.50	14.50	17.50	23.50

One-half Dozen in a Cardboard Box.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER,
REGISTERED.

MT



PLIERS AND WIRE CUTTERS COMBINED.



Sectional Cut Showing Patent Mechanical Stopping Device.

KEEN KUTTER®—BALL BEARING.

Forged from Highest Grade Crucible Steel, Oil Tempered; Ends of Handles Blued Finish; Flat Nose; Heavy Headed Steel Rivet at Joint; Face of Jaws Scored to Prevent Slipping; Patent Mechanical Device which Stops the Plier in opening when the Cutter Openings are in Proper Position to receive Wire for Cutting.

Full Polished.

Nos.	201½	206	208	210
Length, inches	4½	6	8	10
Weight per dozen about, lbs.	2½	4	8	10
Per dozen	\$10.00	12.00	15.00	20.00

Full Nickel Plated.

Nos.	304½	306	308
Length, inches	4½	6	8
Weight per dozen about, lbs.	2½	4	8
Per dozen	\$12.00	15.00	18.00

One-half Dozen in a Cardboard Box.

Forged from Highest-Grade Crucible Steel, Oil Tempered; Wire Cutter on Side.



KEEN KUTTER®

Adjustable Joint for holding large or small Pipe; Face of Jaws Scored; Milled Teeth.

Combination Gas and Flat Nose Plier, Wire Cutter, Pipe Wrench and Screw Driver.

No.	Description	Per Dozen
No. 160	Nickel Plated; Length 6 inches; Holds Pipe 3/16 to 1/4 inch; Weight per dozen about 6 lbs.	\$15.00
No. 260	Oil Finish; Length 6 inches; Holds Pipe 3/16 to 1/4 inch; Weight per dozen about 6 lbs.	13.50
No. 290	Oil Finish; Length 10 inches; Holds Pipe 1/4 to 1 1/4 inches; Weight per dozen about 12 lbs.	18.00

One-twelfth Dozen in a Cardboard Box.



Combined Flat Nose Gas Plier and Wire Cutter; Cast Steel, Hardened and Polished; Lap Joint; Face of Jaws Scored; Milled Teeth; Holds Gas Pipe 1/2 inch and smaller.

No.	75
Length, inches	5½
Weight per dozen about, lbs.	3
Per dozen	\$4.25



Combination Raised Side Wire Cutter, Gas Plier and Screw Driver; Cast Steel, Tempered and Full Polished; Lap Joint; Face of Jaws Scored; Milled Teeth; Holds Gas Pipe 1/2 inch and Smaller.

No.	27
Length, inches	6
Weight per dozen about, lbs.	3½
Per dozen	\$10.00

GAS PLIERS.



KEEN KUTTER®



Forged from Highest Grade Crucible Steel, Oil Tempered; Polished Jaws; Gun Metal Finish Handles; Heavy Rivet at Joint; Milled Teeth.

Single Jaws.

Nos.	905	906
Length, inches	5	6
Weight per dozen about, lbs.	3	5
Per dozen	\$6.50	8.50

No. 905—Holds Gas Pipe 1/2 inch and smaller.
No. 906—Holds Gas Pipe 3/4 inch and smaller.

Double Jaws.

Nos.	908	910	912
Length, inches	8	10	12
Weight per dozen about, lbs.	7	11	16
Per dozen	\$9.00	12.00	15.00

No. 908—Holds Gas Pipe 1 inch and smaller.
No. 910—Holds Gas Pipe 1 1/2 to 1/2 inch.
No. 912—Holds Gas Pipe 1 3/4 to 3/4 inch.

One-half Dozen in a Cardboard Box.

TRADE MARK:
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

CUTTING NIPPERS.



KEEN KUTTER*

High Grade Crucible Tool Steel Jaws, Polished and Tempered; Malleable Iron Handles and Head, Dead Black Finish; Box Joint; Set Screw between Handles. Jaws are Reversible and Interchangeable. Each Jaw has Two Cutting Edges and is held in place by Two Screws.

Nos.	K 6	K 8	K 10	K 12
Length, inches	6	8	10	12
Weight per dozen about, lbs.	9	18	24	30
Per dozen	\$18.00	21.00	24.00	27.00

One-twelfth Dozen in a Cardboard Box.

EXTRA CUTTERS.

FOR KEEN KUTTER* CUTTING NIPPERS.

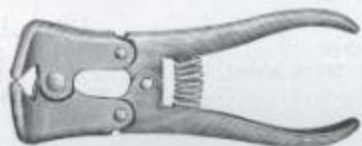
With Screws.

Nos.	KC6	KC8	KC10	KC12
Weight per dozen pairs about, lbs.	1½	2¼	3	4
Per dozen pairs	\$6.00	7.20	9.60	10.80

FOR MUSIC WIRE.

Nos.	KCM6	KCMS	KCM10	KCM12
Weight per dozen pairs about, lbs.	1½	2¼	3	4
Per dozen pairs	\$7.80	9.00	11.40	12.60

Packed Loose.



HERCULES.

Jaws Forged from Tool Steel, Tempered; Handles Stamped from Heavy Sheet Steel; Polished; Steel Coil Spring; Heavy Steel Rivets at Joints; Compound Leverage.

No.	155
Length, inches	5½
Weight per dozen about, lbs.	4½
Per Dozen	\$9.00

One-half Dozen in a Cardboard Box.



HALL'S.

Forged from Tool Steel; Tempered and Polished Jaws; Natural Finish Handles; Heavy Steel Screws at Joints; Compound Leverage.

Nos.	2H	4H	6H
Length, inches	5	7	8
Weight per dozen about, lbs.	7	10	14
Per dozen	\$13.50	21.00	24.00

TODD'S.

Handles and Head Forged from Tool Steel; Detachable Cutting Jaws attached to Head with Four Heavy Steel Screws; Cutting Jaws Forged from Special Tool Steel, Tempered and Polished; Natural Finish Handles and Head.



With Steel Set Screw in Handle.

Nos.	4T	3T	1T
Length, inches	8	10	12
Weight each about, lbs.	1	1½	2
Each	\$1.50	1.75	2.25

EXTRA CUTTERS.

For Todd's Cutting Nippers.

Nos.	C4T	C3T	C1T
Weight per pair about, ozs.	2	3	4
Per pair	\$0.35	.40	.40

One in a Package; Extra Cutters Packed Loose.



Without Set Screws.

Nos.	5T
Length, inches	5
Weight each about, lb.	¾
Each	\$1.25

EXTRA CUTTERS.

For Todd's Cutting Nippers.

Nos.	C5T
Weight per pair about, ozs.	2
Per pair	\$0.35

TRADE MARK:
A. C. SIMMONS' KEEN KUTTER;
REGISTERED.

CUTTING NIPPERS.

MT



PLIERS AND WIRE CUTTERS COMBINED.



No. 61—STANDARD.

Cast Steel, Tempered and Polished Jaws; Natural Finish Handles.

	5	6	8
Length, inches	5	6	8
Weight per dozen about, lbs.	3 1/2	4 1/2	7
Per dozen	\$6.25	7.75	13.50

One Dozen in a Cardboard Box.

PINCERS.



KEEN KUTTER*—Carpenters'.

Forged from Highest Grade Crucible Steel, Oil Tempered; Polished Jaws and Head; Natural Finish Handles; Polished Claw and Screw Driver; Heavy Steel Rivet at Joint; Reinforced Double Bevel Cutting Edge; No. 806 has Straight Handles; Larger Sizes have Claw and Screw Driver Handles, as shown in cut.

Nos.	806	808	810	812
Length, inches	6	8	10	12
Weight per dozen about, lbs.	5	10	14	16
Per dozen	\$4.20	6.00	9.00	12.00



KEEN KUTTER*—Blacksmith's Shoeing.

Forged from Highest Grade Crucible Steel; Oil Tempered and Polished Jaws; Gun Metal Finish Parallel Handles; Extra Heavy Steel Rivet at Joint; CLOSE BITING JAWS.

Nos.	110	112	114
Length, inches	10	12	14
Weight per dozen about, lbs.	16	18	24
Per dozen	\$13.00	15.00	18.00



KEEN KUTTER*—Shoeing and Cutting.

No. 914—KEEN KUTTER*: Forged from Highest Grade Crucible Steel; Oil Tempered and Polished Jaws; Gun Metal Finish Parallel Handles; Extra Heavy Steel Rivet at Joint; CLOSE BITING JAWS; Length 14 inches; Weight per dozen about 30 lbs. Per Dozen \$26.00



KEEN KUTTER*—Carrier's Nail Cutting.

Forged from Highest Grade Crucible Steel; Oil Tempered and Polished Jaws; Gun Metal Finish Parallel Handles; Extra Heavy Steel Rivet at Joint; CLOSE BITING JAWS.

Nos.	1212	1214
Length, inches	12	14
Weight per dozen about, lbs.	22	26
Per dozen	\$21.00	24.00

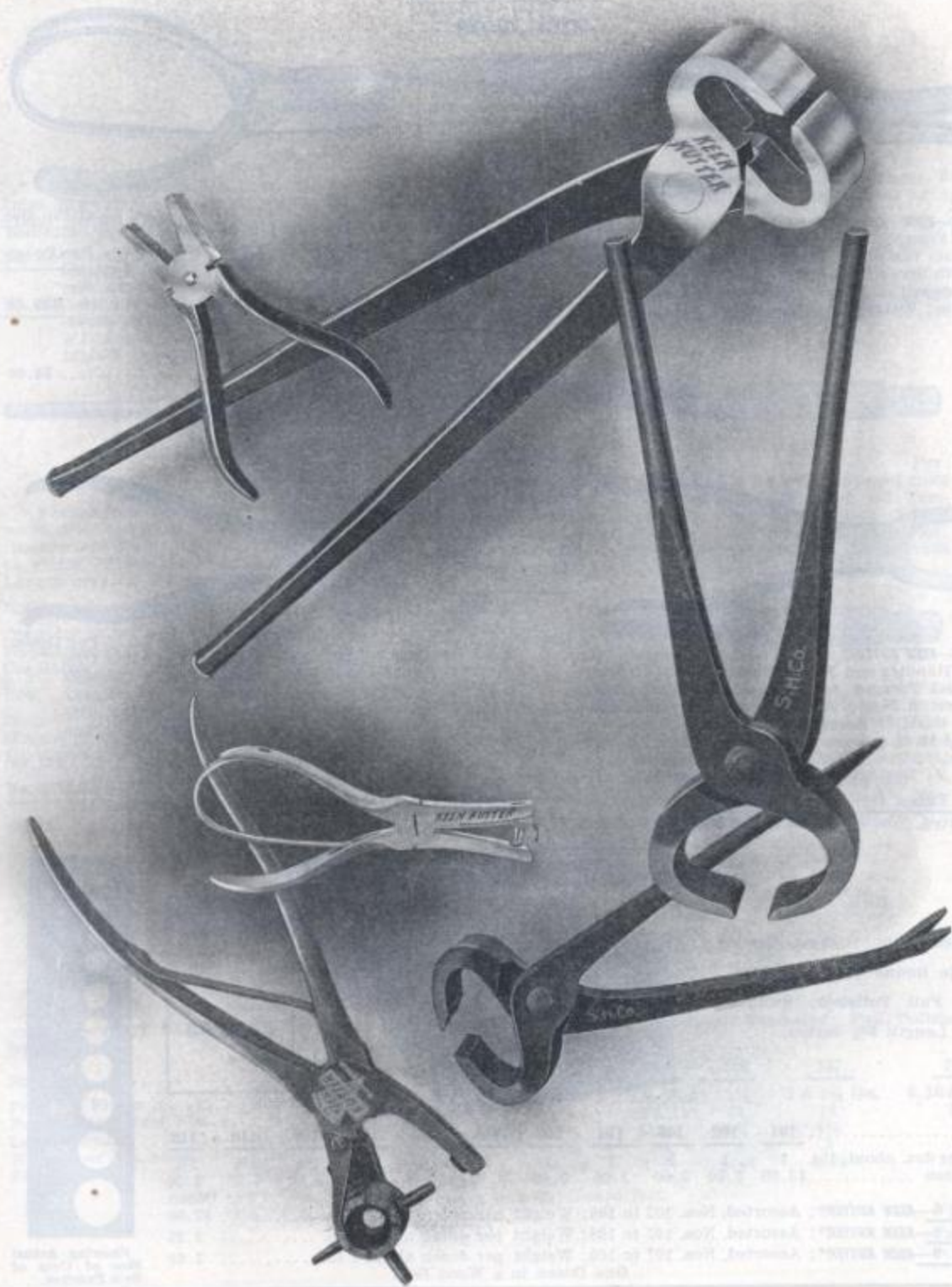
One-half Dozen in a Cardboard Box.



KEEN KUTTER*—Hoof Paring.

Forged from Highest Grade Crucible Steel; Oil Tempered and Polished Jaws; Gun Metal Finish Parallel Handles; Cutting Edges Finely Ground and Perfectly Fitted; Extra Heavy Rivet at Joint.

Nos.	012	014
Length, inches	12	14
Weight per dozen about, lbs.	22	24
Per dozen	\$24.00	28.80



THE RECOLLECTION OF QUALITY REMAINS LONG AFTER THE PRICE IS FORGOTTEN - E.C. SIMMONS
TRADE MARK REGISTERED

TRADE MARK
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

PUNCHES.

KEEN KUTTER®



Highest Grade Goods made with Steel Dies and Plungers, Fitted with Extreme Care.



Ticket and Conductor's.

No. 50—KEEN KUTTER®; Nickel Plated Cast Steel Frame; Steel Joint-Screw and Plunger; Flat Tempered Steel Main Spring, attached with Screw; Length of Reach $\frac{3}{4}$ inch; Length over all 5 inches; Assorted Fancy Pattern Dies; Weight per dozen about 3 lbs.....\$15.00

Nickel Plated Cast Steel Frame; Steel Joint-Pin and Plunger; Flat Tempered Steel Main Spring, attached with Screw; Assorted Fancy Pattern Dies. Per Dozen

No. 65—KEEN KUTTER®; Tempered Steel Inserted Die; Length of Reach 1 inch; Length over all $4\frac{1}{2}$ inches; Weight per dozen about 3 lbs..\$20.00

No. 75—KEEN KUTTER®; Tempered Steel Die, Dove-tailed in Frame; Length of Reach $1\frac{1}{4}$ inches; Length over all $4\frac{1}{2}$ inches; Weight per dozen about $3\frac{1}{4}$ lbs..... 36.00

One-half Dozen in a Cardboard Box.



Extra Heavy Frames; Carefully Tempered Steel Springs; Selected and Tested Tubes.



Nos. 4 6 8 10

Cut Showing Sizes of Punch Tubes for Punches.

Spring, Single Tube. Per Dozen

No. 42—KEEN KUTTER®; Full Polished Malleable Iron Handles and Jaws; Highest Grade Crucible Steel Swaged and Tempered Tube; Heavy Rivet at Joint; Tempered Steel Spring Riveted to Handle; Assorted Size Tubes, Nos. 4, 6, 8 and 10 in a dozen; Weight per dozen about 10 lbs. \$8.00

One-half Dozen in a Wood Box.

Extra Tubes for No. 42 Punches, 3 Dozen Assorted, Nos. 4, 6, 8 and 10 in a Cardboard Box. \$3.00

Revolving, 4 Tube. Per Dozen

No. 14—KEEN KUTTER®; Full Polished Malleable Iron Handles and Jaws; Highest Grade Crucible Steel, Swaged and Tempered Tubes; Heavy Rivet at Joint; Tempered Steel Spring Riveted to Handle; Each Punch Fitted with one Tube each Nos. 4, 6, 8 and 10; Weight per dozen about 11 lbs.....\$21.00

One-half Dozen in a Wood Box.

Extra Tubes for No. 14 Punches, 3 Dozen Assorted, Nos. 4, 6, 8 and 10 in a Cardboard Box...... 3.00

Belt.

Forged from Highest Grade Crucible Round Steel, Oil Tempered, Full Polished; Swaged Point; Length $3\frac{1}{4}$ inches.



Best Made Points; Mandrel Drawn; Beveled from Outside; Never Clog.

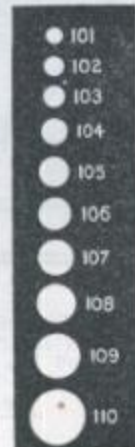
Nos.	101	102	103	104	105	106	107	108	109	110	112
Wgt. per doz. about, lbs.	1	1	1	1	1	1	1 1/4	1 1/4	1 1/4	1 1/4	2 1/4
Per dozen	\$3.00	3.00	3.00	3.00	3.00	3.00	3.60	3.60	3.60	4.50	5.50
											Per Dozen

No. 102/6—KEEN KUTTER®; Assorted, Nos. 102 to 106; Weight per dozen about 1 lb. \$3.00

No. 105/8—KEEN KUTTER®; Assorted, Nos. 105 to 108; Weight per dozen about 1 lb. 3.25

No. 107/9—KEEN KUTTER®; Assorted, Nos. 107 to 109; Weight per dozen about 1 lb. 3.60

One Dozen in a Wood Box.



Showing Actual Size of Outs of Belt Punches.

MT

TRADE MARK
E. C. SIMMONS' KEEN KUTTER
REGISTERED.

SETS

MAGNETS



PUNCHES.



SOLID MACHINE.

KEEN KUTTER BLACK JACK*.

Forged from Highest Grade Crucible Steel, Oil Tempered; Polished Point; Natural Finish Octagon Barrel; Point Tapers from Barrel to within 1 1/4 inches of End; Balance of Point Straight. Especially adapted for driving Rivets out of Machinery.

	Per Dozen
No. 358—Length 9 inches; Diameter of Shank 5/8 inch; Diameter at Point 3/16 inch; Weight per dozen about 9 1/2 lbs.	\$6.00
No. 301—Length 10 inches; Diameter of Shank 3/4 inch; Diameter at Point 1/4 inch; Weight per dozen about 14 lbs.	8.00

One-half Dozen in a Cardboard Box.



SOLID MACHINE.

KEEN KUTTER*.

Forged from Highest Grade Crucible Steel; Oil Tempered, Polished Point; Natural Finish, Octagon Barrel; Diameter of Shank 1/2 inch; Point Tapers from Barrel to within 3/4 inch of End; Balance of Point Straight; Length over all 6 inches.

Nos.	K11	K12	K13
Diameter at point, inches	5/32	7/32	6/32
Weight per dozen about, lbs.	3 3/4	3 3/4	3 3/4
Per dozen	\$3.25	3.25	3.25
Nos.	K14	K15	K16
Diameter at point, inches	5/32	4/32	3/32
Weight per dozen about, lbs.	3 3/4	3 1/4	3 1/4
Per dozen	\$3.25	3.25	3.25

No. K13/16—ASSORTED; 1/4 dozen of each Nos. K13, K14, K15 and K16. \$3.25

One Dozen in a Cardboard Box.



CENTER.

Per Dozen

No. 215—KEEN KUTTER BLUE BRAND*; Forged from Highest Grade Crucible Steel, Oil Tempered; Polished Head and Point; Round Knurled Barrel; Blue Finish Throughout; Length 3 3/8 inches; Weight per dozen about 1 1/4 lbs. \$2.50



PRICK..

Per Dozen

No. 217—KEEN KUTTER BLUE BRAND*; Forged from Highest Grade Crucible Steel, Oil Tempered; Polished Head and Point; Round Knurled Barrel; Blue Finish Throughout; Length 4 inches; Weight per dozen about 1 1/4 lbs. \$2.50

One Dozen in a Wood Box.

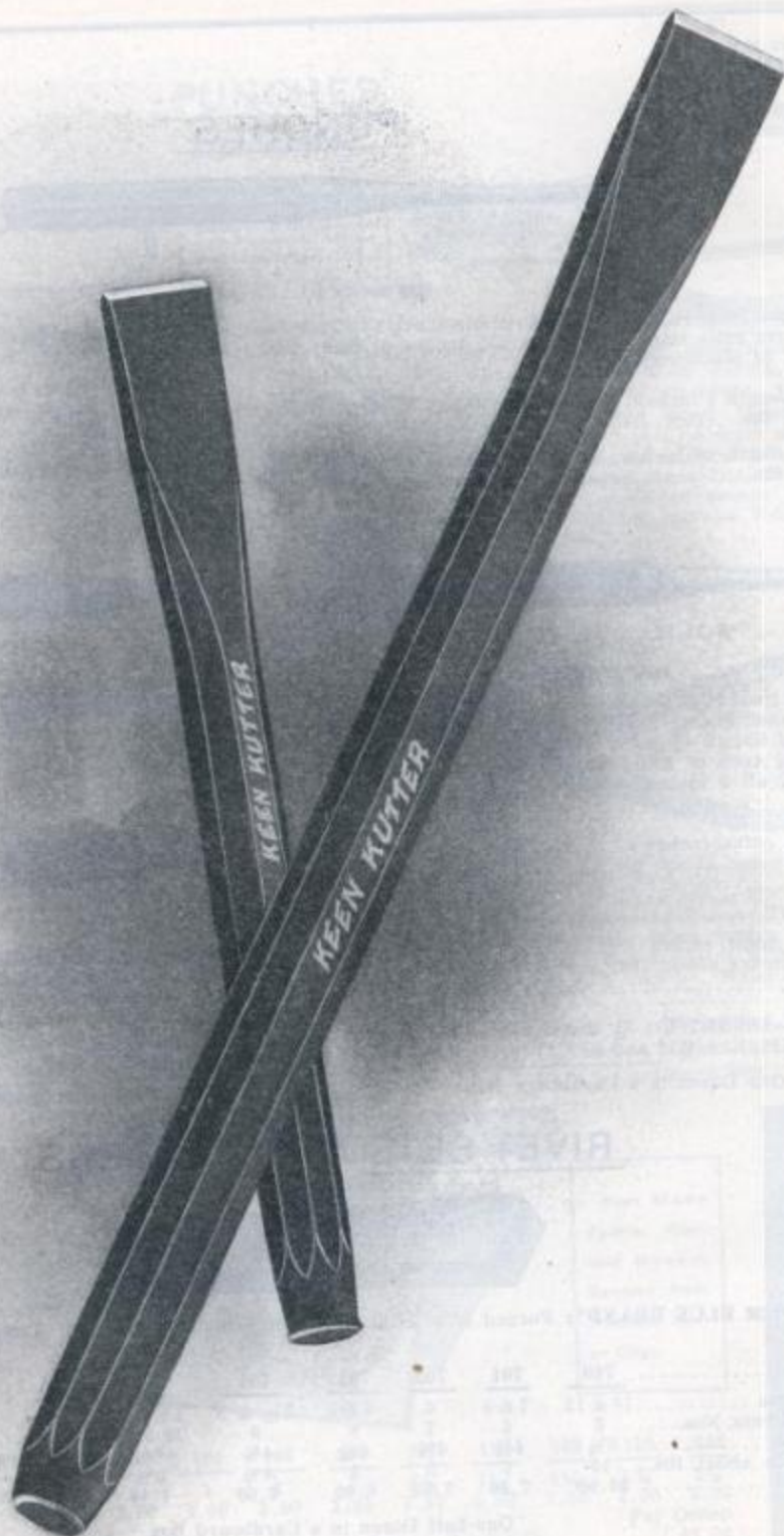
RIVET SETS AND HEADERS.



KEEN KUTTER BLUE BRAND*; Forged from Highest Grade Crucible Steel, Oil Tempered; Full Polished and Blue Finish.

Nos.	700	701	702	703	704	705	706	707	708
For Iron Rivets	10 & 12	7 & 8	6	4 & 5	2 1/2 & 3	1 1/4 & 2	1 1/2	1 & 1 1/4 lbs.	8, 10 & 12 oz.
For Copper Rivets, Nos.	5	6	7	8	9	10 & 11	12	13	14
Length, inches	5 1/2	4 3/4	4 5/8	4 1/2	4 3/8	4 5/16	4 3/4	4 3/8	4
Weight per doz. about, lbs.	10	7	5	5	4 1/2	3 1/2	3	3	3
Per dozen	\$9.00	7.56	7.56	6.00	6.00	4.44	4.44	3.84	3.84

One-half Dozen in a Cardboard Box.



"THE RECOLLECTION OF QUALITY REMAINS LONG AFTER THE PRICE IS FORGOTTEN" - E.C. SINNONS
TRADE MARK REGISTERED.

For Description and Prices, see Page 149.