SARGENT TOOL BOOK

SARGENT
V·B·M

MECHANICS' TOOLS

1911

SARGENT & COMPANY

New Haven, Conn., U. S. A.

NEW YORK OFFICE AND WAREHOUSE	94 Centre Street
BOSTON OFFICE	112 Water Street
PHILADELPHIA OFFICE	716-718 Witherspoon Building
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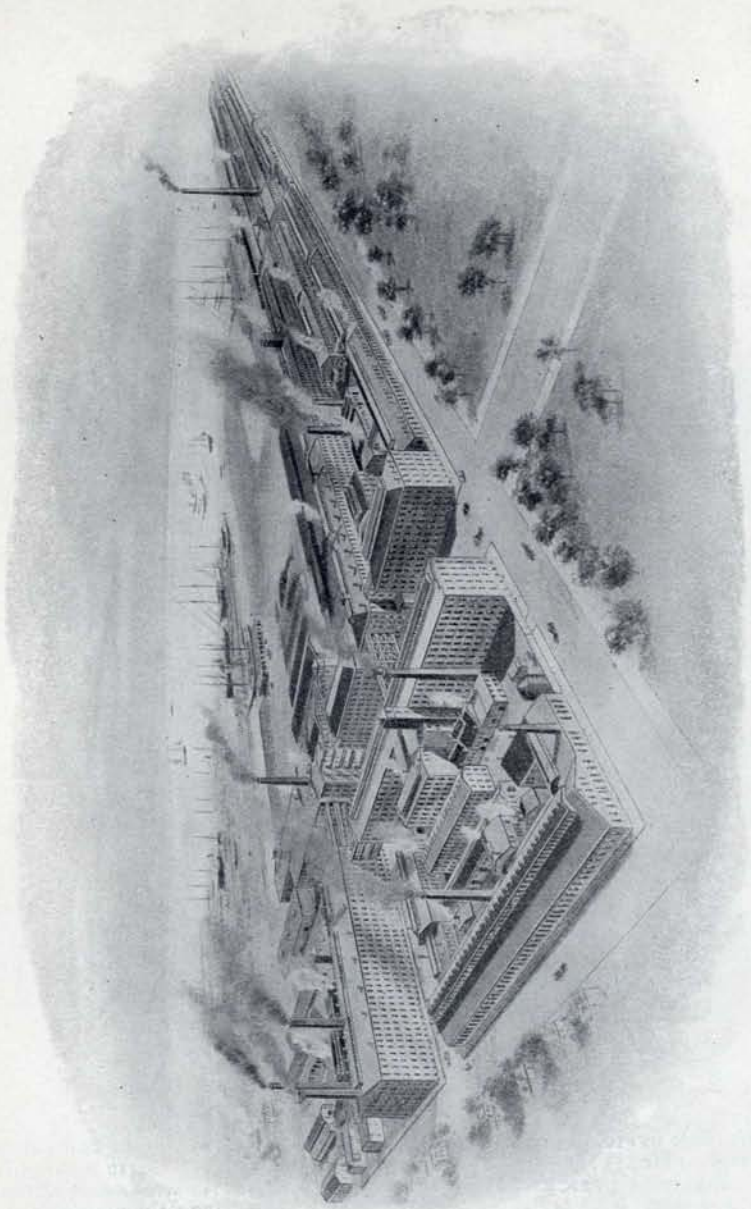
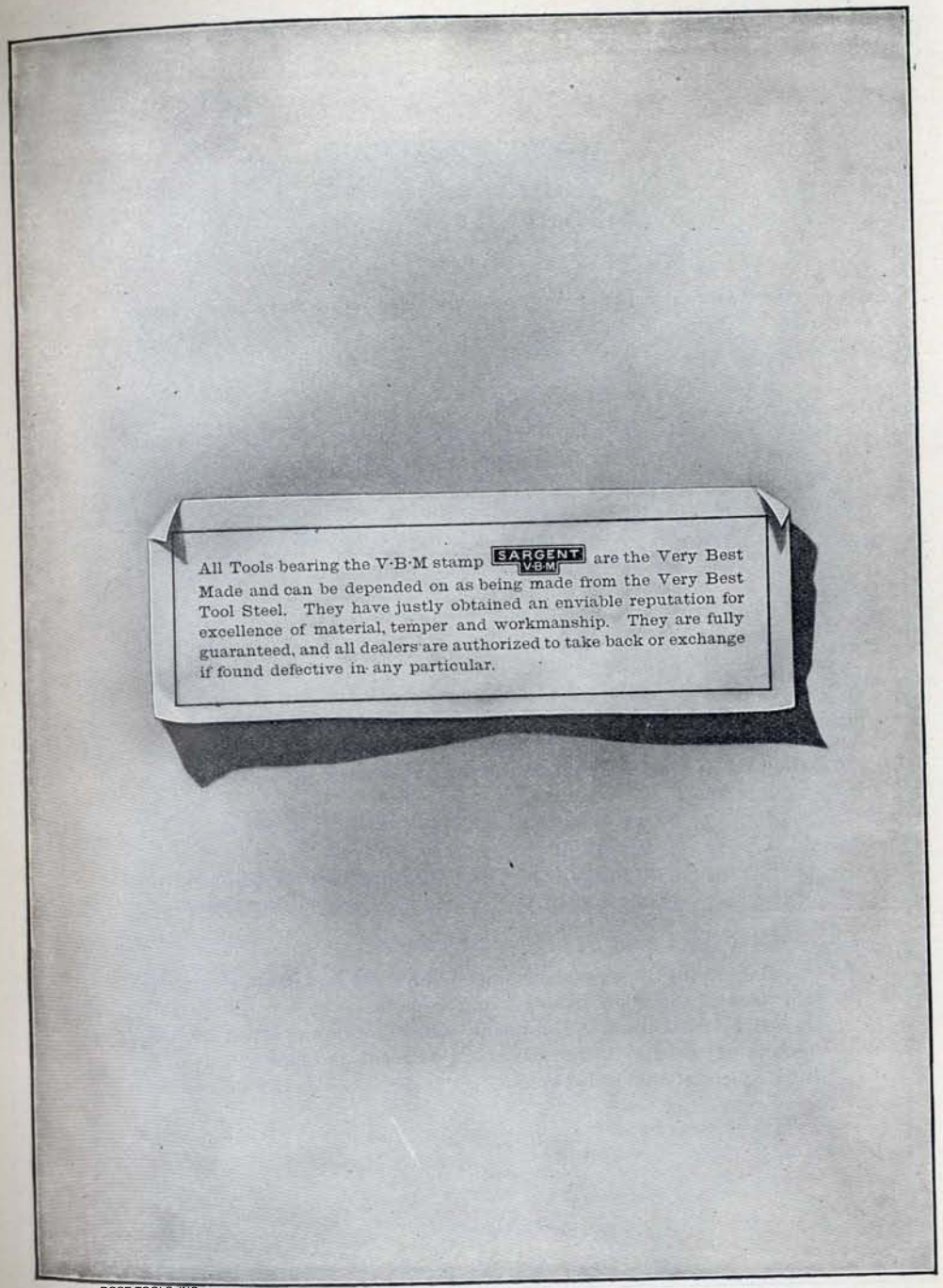


Works of Sargent & Company at New Haven, Conn.

Prices in the Tool Catalogue.

Prices in this catalogue are not the list prices which appear in Sargent & Co.'s general trade catalogue. They are ***net prices*** which serve a double purpose, representing approximately the cost to the mechanic or purchaser, and showing price comparison between the various tools. It should be distinctly understood that these are ***net prices*** and ***not*** subject to the trade discount.



Sargent's Planes.

We warrant all Planes upon which the name Sargent appears.

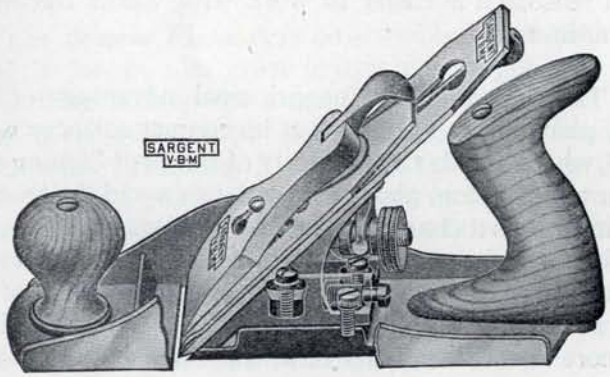
The Cutter is made from the best double refined English cast steel, is tempered by the very best improved process, then highly polished and sharpened ready for use and is WARRANTED. To avoid the possibility of quivering in hard wood the cutter is now made from heavier steel than formerly.

The steel Cap, adjusted with a screw to the Cutter in the usual manner, is held firmly against the Cutter by depressing the Cam Thumb-Piece on the Clamp. If the Clamp does not bear with sufficient pressure against the Cap to hold the Cutter firmly, the Clamp Screw should be tightened before the pressure is applied. Chattering is avoided by having the foot of the Clamp bear firmly upon the arch of the Cap, holding the cutting edge of the Cutter rigidly against the Frog.

To adjust the thickness of the shaving, turn the Thumb-Nut acting through the Forked-Lever upon the Cap and the Cutter.

Should the Cutter when clamped down not be exactly true with the face of the Plane, the cutting edge may be accurately adjusted by the Lateral Adjustment, which communicates a motion (sideways) to the Cutter. This Adjustment is blanked out of a single piece of cold rolled steel.

SARGENT



PLANE POINTERS

THE PLANE is essentially a finishing tool and while it is adapted for use in bringing down wood surfaces to a desired thickness, owing to its construction it will produce this result gradually as compared with a hatchet or mattock. For this reason it is the **last tool** to be used in finishing a wood surface.

The two types of planes most used are **Bench** Planes and **Block** Planes. The former may be divided into two classes. Those with

A.—Wood Bottoms.
B.—Iron Bottoms.

The Wood Bottom Plane is preferred by many, owing to its comparative lightness and to the fact that in its contact with wood it creates less friction. For both reasons it is easier to work with where the work is continuous.

The Iron Plane. The principal advantage of the iron plane lies in the fact that its contact surfaces wear well, which avoids the necessity of frequent "truing-up" as in wood bottom planes. In order to avoid the friction mentioned as a characteristic of iron planes some woodworkers prefer the corrugated bottoms, the theory of which being that the grooves permit the passing of air and so serve to cool off the heated metal. The iron plane is more readily adjusted than the wood bottom plane.

The Smooth Plane, in length not more than 12 in., is adapted for finishing off an uneven surface. Owing to its small size it will find its way into minor depressions of the wood without taking off much material. In this it differs from the Jointer Plane, which is primarily for use on large areas. Both types of planes are finishing planes, but, of the two, the jointer is for finer work.

The Jack Plane (14 in. or 15 in. in length) is for coarse work and is to be used either on rough surfaces or where a considerable chip is to be taken off. It is long and heavy enough to make it a powerful tool.

The Fore Plane is for the same purpose as the Jointer in fine finishing. Owing to the fact that it is shorter (length 18 in.) than the Jointer it is easier to handle, especially for a journeyman carpenter. It may be used also as a Jack Plane. Where a carpenter has

not both a Jack and a Jointer he can make a Fore Plane serve for both although it will not give as good service as either of the other two in the work for which they are adapted.

The Jointer Plane may be anywhere from 20 in. to 30 in. in length. Its great length and weight keep the cutter from tearing the wood and with the cutter set fine it is the plane for obtaining the smoothest finishes. As its name indicates, it will take down, better than other types of planes, two wood surfaces that are to be brought together where a very close fit is required.

The Block Plane—7 in. or less—is for end work. It is built to hold in the palm of the hand and may be used with either one or two hands. With the low angle block plane, because the cutter is set very low, a sheering cut is secured, which makes its use desirable in cross-grained wood, as the cutter is not as apt to follow and split the grain.

For information as to the purpose of any other planes shown in this catalogue, write to Sargent & Co., New York, addressing the **Tool Department.**

Your attention is called to the finish on **Sargent Iron Bench Planes.** Compare it with other makes and notice:

1. The improved effect of the red handle and knob which makes a handsome contrast with the polished and japanned surfaces.
2. The high luster of polished surfaces.
3. The careful fit of each and every part.
4. The smoothness of the japanning.

The cutter in Sargent Bench Planes is made of imported Sheffield Steel (and is number 12 gauge). This is two gauges heavier than formerly. The additional weight insures no chatter even when the plane is used on cross-grained hard wood. The cutter is ground sharp and hand-honed, ready for use. Contact surfaces on the frog and bottom are milled, making a firm double seat.

On the **Sargent** wood bottom planes observe that:

1. The bottom surface is highly finished.
2. The wood is quarter-sawed.
3. The frog is set into the iron framework with machine screws. These will not work loose. On other makes wood screws hold the frog to the wood bottom.

On **Sargent** Block Planes with the adjustable mouth feature note the positive movement of the throat-piece, which is locked in position by the thumb-screw. Compare the facility of the adjustment with that of other makes. Note the strong construction of the clamp, especially of the Knuckle Joint Planes, 4306, 4307, 5306 and 5307. Here the clamp is of **wrought steel** and so **positively cannot** break.

Sargent Miscellaneous Planes embody many improved **features** of design and adjustment.

Sargent V·B·M Adjustable Iron Planes.

With Patent Frog—Adjustable without removing cutter.

Patented February 3, 1891 and July 3, 1906.

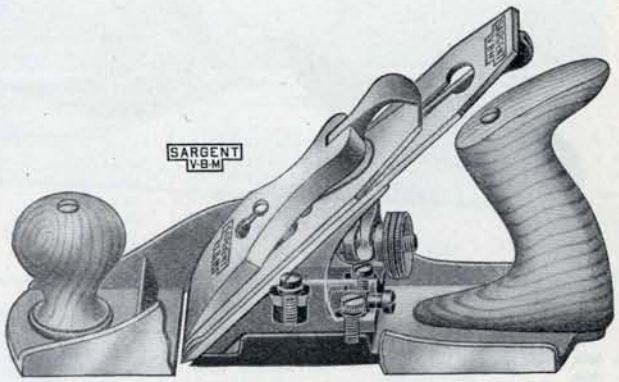
Frog Adjustment.

FINE WORK requires a very narrow opening between the front of the mouth and the cutting edge of the cutter. *Coarse work* requires support close to the cutting edge of the cutter to prevent chattering. By this improved construction, *the frog with the cutter still clamped in position* on it may be *adjusted* forward *for fine work* or backward for *coarse work* and at all times it is so supported as to prevent chattering. The Frog is moved forward or backward on a line parallel with the base so that no adjustment of the Cutter is required after the Frog adjustment has been made.

The Clamp and Cutter may be left fastened to the Frog while the adjustment is being made.

Solid—Rigid—Firm.

These planes have the double seat, giving two points of contact of the bottom of the Frog with the Bed or Bottom of Plane. At these points both the Frog and the Bed are profiled or milled, insuring accuracy of fit and a solid, firm seating of the Frog on the Bed.



The above cut shows in section the Improved Iron Bench Plane, and gives the position of the parts.

All our Cutters are made from the best double refined English Cast Steel, tempered by the very best improved process, then highly polished and sharpened ready for use, and are WARRANTED.

Iron Bench Planes.

Polished Trimmings, East India Mahogany Handle and Knob.

With Patent Side Adjustment for exact adjusting of the Cutter with the face of the Plane.

Smooth Bottom.

Smooth Planes.

No. **7,**	Smooth,	7 Inches,	1⅝	Inch Cutter . .	each, net $2 15
No. **8,**	"	8 "	1¾	" " . .	" " 2 40
No. **9,**	"	9 "	2	" " . .	" " 2 60
No. **10,**	"	10 "	2⅛	" " . .	" " 3 10

Jack, Fore and Jointer.

No **14,**	Jack,	14 Inches,	2	Inch Cutter . .	each, net $3 10
No. **15,**	"	15 "	2¼	" " . .	" " 3 30
No. **18,**	Fore,	18 "	2⅜	" " . .	" " 3 75
No. **22,**	Jointer,	22 "	2⅜	" " . .	" " 4 40
No. **24,**	"	24 "	2⅜	" " . .	" " 5 20

Corrugated Bottom.

Smooth Planes.

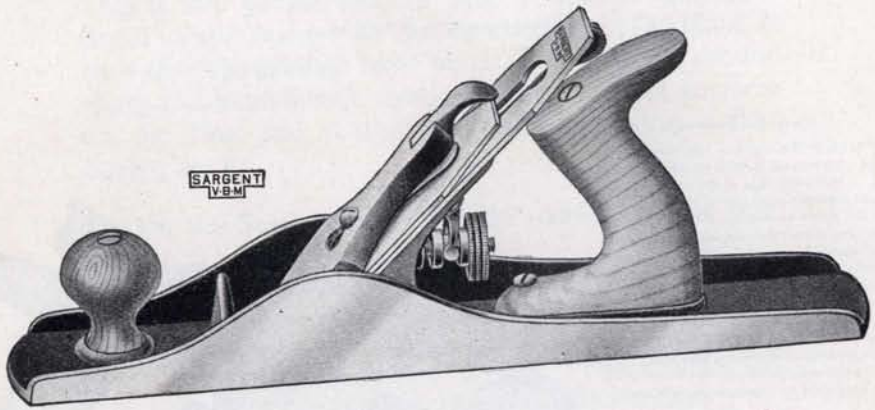
No. **7C,**	Smooth,	7 Inches,	1⅝	Inch Cutter . .	each, net $2 15
No. **8C,**	"	8 "	1¾	" " . .	" " 2 40
No. **9C,**	"	9 "	2	" " . .	" " 2 60
No. **10C,**	"	10 "	2⅛	" " . .	" " 3 10

Jack, Fore and Jointer.

No. **14C,**	Jack,	14 Inches,	2	Inch Cutter . .	each, net $3 10
No. **15C,**	"	15 "	2¼	" " . .	" " 3 30
No. **18C,**	Fore,	18 "	2⅜	" " . .	" " 3 75
No. **22C,**	Jointer,	22 "	2⅜	" " . .	" " 4 40
No. **24C,**	"	24 "	2⅜	" " . .	" " 5 20

Sargent V·B·M Adjustable Iron Planes.

Patented February 3, 1891



Bench Planes.

Polished Trimmings, East India Mahogany Handle and Knob.

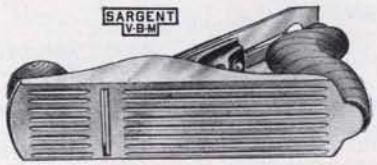
With Patent Side Adjustment for exact adjusting of the Cutter with the face of the Plane.

Smooth.

No. **407,**	Smooth	Plane,	7	Inches,	1¾	Inch	Cutter	each, net	$2 00
No. **408,**	"	"	8	"	1¾	"	"	" "	2 15
No. **409,**	"	"	9	"	2	"	"	" "	2 35
No. **410,**	"	"	10	"	2⅜	"	"	" "	2 70

Jack, Fore and Jointer.

No. **414,**	Jack	Plane,	14	Inches,	2	Inch	Cutter	each, net	$2 70
No **415,**	"	"	15	"	2¼	"	"	" "	3 00
No. **418,**	Fore	"	18	"	2⅜	"	"	" "	3 40
No. **422,**	Jointer	"	22	"	2⅜	"	"	" "	4 00
No. **424,**	"	"	24	"	2⅜	"	"	" "	4 70



These Planes are the same as those shown above but with Corrugated Bottoms.

Bench Planes with Corrugated Bottoms.

Polished Trimmings, East India Mahogany Handle and Knob.

With Patent Side Adjustment for exact adjusting of the Cutter with the face of the Plane.

Smooth.

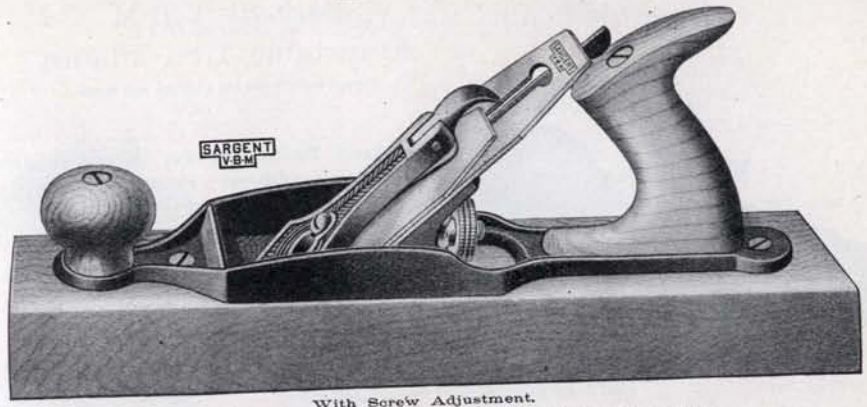
No. **407 C,**	Smooth	Plane,	7	Inches,	1¾	Inch	Cutter	each, net	$2 00
No. **408 C,**	"	"	8	"	1¾	"	"	" "	2 15
No. **409 C,**	"	"	9	"	2	"	"	" "	2 35
No. **410 C,**	"	"	10	"	2⅜	"	"	" "	2 70

Jack, Fore and Jointer.

No. **414 C,**	Jack	Plane,	14	Inches,	2	Inch	Cutter	each, net	$2 70
No. **415 C,**	"	"	15	"	2¼	"	"	" "	3 00
No. **418 C,**	Fore	"	18	"	2⅜	"	"	" "	3 40
No. **422 C,**	Jointer	"	22	"	2⅜	"	"	" "	4 00
No. **424 C,**	"	"	24	"	2⅜	"	"	" "	4 70

Sargent V·B·M Adjustable Wood-Bottom Planes.

Patented February 3, 1891.



With Screw Adjustment.

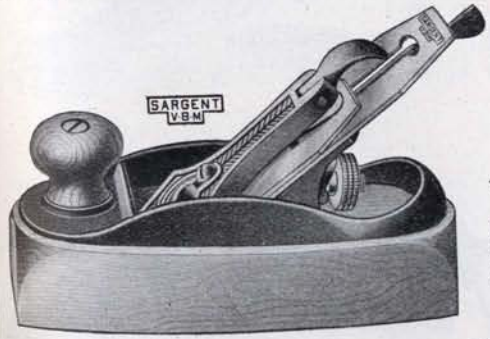
With Patent Side Adjustment for exact adjusting of the Cutter with the face of the Plane.

Jack and Fore.

No. **3415,**	Jack	Plane,	15	Inches,	2	Inch	Cutter	each, net	$1 60
No. **3416,**	"	"	15	"	2⅛	"	"	" "	1 80
No. **3417,**	"	"	15	"	2¼	"	"	" "	1 85
No. **3418,**	Fore	"	18	"	2⅜	"	"	" "	2 00
No. **3420,**	"	"	20	"	2⅜	"	"	" "	2 05

Jointer.

No. **3422,**	Jointer	Plane,	22	Inches,	2⅜	Inch	Cutter	each, net	$2 15
No. **3424,**	"	"	24	"	2⅜	"	"	" "	2 20
No. **3426,**	"	"	26	"	2⅜	"	"	" "	2 35
No. **3428,**	"	"	28	"	2⅜	"	"	" "	2 40
No. **3430,**	"	"	30	"	2⅜	"	"	" "	2 50

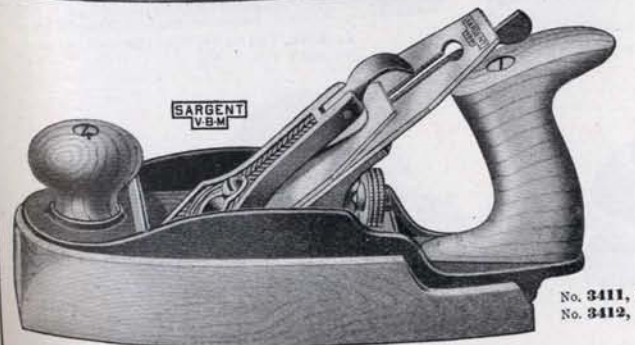


Smooth.

With Screw Adjustment.

With Patent Side Adjustment for exact adjusting of the Cutter with the face of the Plane.

No. **3407,**	7	Inches,	1¾	Inch	Cutter			each, net	$1 45
No. **3408,**	8	"	1¾	"	"			" "	1 50
No. **3409,**	9	"	1¾	"	"			" "	1 55
No. **3410,**	8	"	2	"	"			" "	1 60



Handled Smooth.

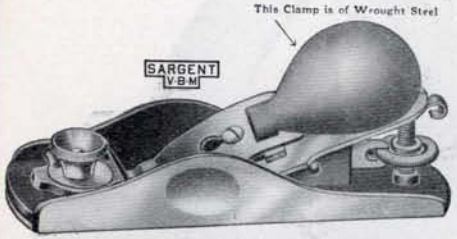
With Screw Adjustment.

With Patent Side Adjustment for exact adjusting of the Cutter with the face of the Plane.

No. **3411,**	Handled,	9	Inches,	2	Inch	Cutter		each, net	$1 80
No. **3412,**	"	10	"	2⅜	"	"		" "	2 00

Sargent V·B·M Adjustable Iron Planes.

Patented March 21, 1893, July 6, 1897 and April 24, 1906



Nos. 4306 and 4307, Polished. Nos. 5306 and 5307, Nickel Plated

Iron Block Planes. Knuckle Joint.

Screw Adjustment and Adjustable Mouth.

Patent Side Adjustment for exact adjusting of the Cutter with the face of the Plane.

Highly Polished Trimmings.

No. **4306,** 6 Inches, 1⅝ Inch Cutter . . . each, net $1 15
No. **4307,** 7 " 1⅝ " " . . . . " " 1 20

Nickel-Plated Trimmings.

No. **5306,** 6 Inches, 1⅝ Inch Cutter . . . each, net $1 35
No. **5307,** 7 " 1⅝ " " . . . . " " 1 40

Nos. 306 and 307, Polished. Nos. 1306 and 1307, Nickel Plated

Iron Block Planes.

Screw Adjustment and Adjustable Mouth.

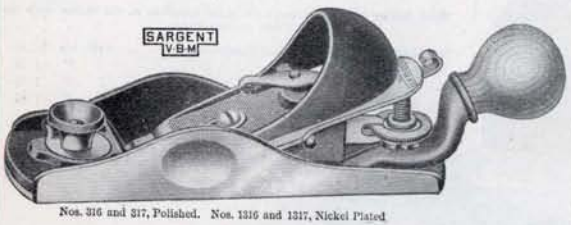
Patent Side Adjustment for exact adjusting of the Cutter with the face of the Plane.

Highly Polished Trimmings.

No. **306,** 6 Inches, 1⅝ Inch Cutter . . . each, net $1 15
No. **307,** 7 " 1⅝ " " . . . . " " 1 20

Nickel-Plated Trimmings.

No. **1306,** 6 Inches, 1⅝ Inch Cutter . . . each, net $1 25
No. **1307,** 7 " 1⅝ " " . . . . " " 1 35



Nos. 316 and 317, Polished. Nos. 1316 and 1317, Nickel Plated

Iron Block Planes with Handle.

Screw Adjustment and Adjustable Mouth.

Patent Side Adjustment for exact adjusting of the Cutter with the face of the Plane.

Highly Polished Trimmings, East India Mahogany Handle.

No. **316,** 6 Inches, 1⅝ Inch Cutter each, net $1 35
No. **317,** 7 " 1⅝ " " " " 1 40

Nickel-Plated Trimmings, East India Mahogany Handle.

No. **1316,** 6 Inches, 1⅝ Inch Cutter each, net $1 40
No. **1317,** 7 " 1⅝ " " " " 1 45

Nos. 606 and 607, Polished. Nos. 1606 and 1607, Nickel Plated

Low Angle Iron Block Planes.

Screw Adjustment and Adjustable Mouth.

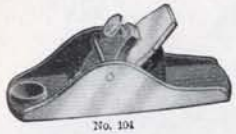
Highly Polished Trimmings.

No. **606,** 6 Inches, 1⅝ Inch Cutter . . . each, net $1 20
No. **607,** 7 " 1⅝ " " . . . . " " 1 30

Nickel-Plated Trimmings.

No. **1606,** 6 Inches, 1⅝ Inch Cutter . . . each, net $1 35
No. **1607,** 7 " 1⅝ " " . . . . " " 1 50

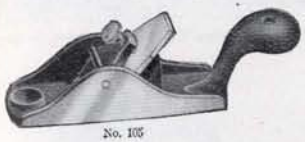
Sargent Adjustable Iron Planes.



No. 104

Toy Planes.

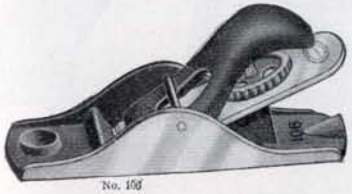
No. **104,** Japanned Finish, 3⅛ Inches, 1 Inch Cutter . . . . each, net $0 20



No. 105

Toy Planes, With Handle.

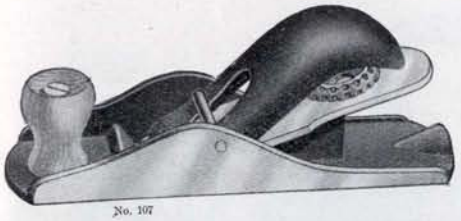
No. **105,** Japanned Finish, 3⅛ Inches, 1 Inch Cutter . . . . each, net $0 25



No. 106

Block Planes.

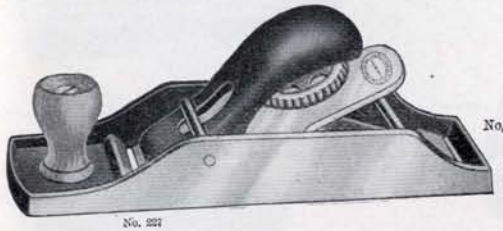
No. **106,** Japanned Finish, 6⅛ Inches, 1⅝ Inch Cutter each, net $0 40



No. 107

Block Planes.

No. **107,** Japanned Finish, 7⅛ Inches, 1⅝ Inch Cutter each, net $0 50



No. 227

Double Block Planes.

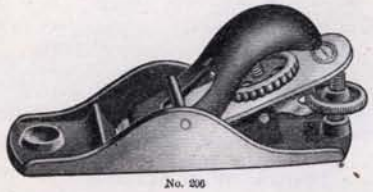
No. **227,** Japanned Finish, 7¼ Inches, 1⅝ Inch Cutter each, net $0 75

This Plane can be used as a regular Block Plane or the Cutter can be reversed for planing in close corners or elsewhere not easily reached with other Planes.

Sargent Adjustable Iron Planes.

Patented March 21, 1893.

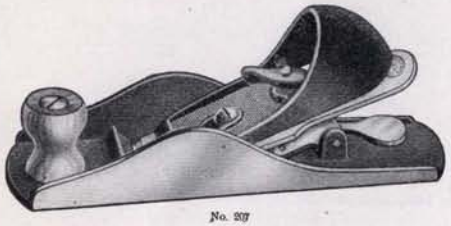
Block Planes.



No. 206

With Screw Adjustment.

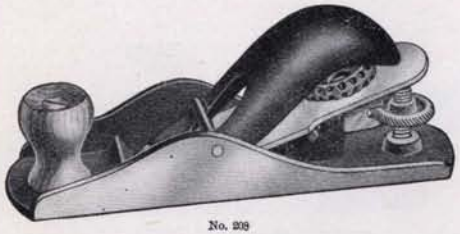
No. **206,** Japanned Finish, 5⅛ Inches, 1⅝ Inch Cutter each, net $0 50



No. 207

With Lever Adjustment.

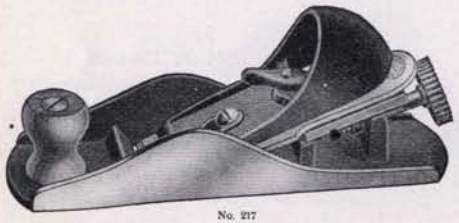
No. **207,** Japanned Finish, 7⅛ Inches, 1⅝ Inch Cutter each, net $0 70



No. 208

With Screw Adjustment.

No. **208,** Japanned Finish, 7⅛ Inches, 1⅝ Inch Cutter each, net $0 70

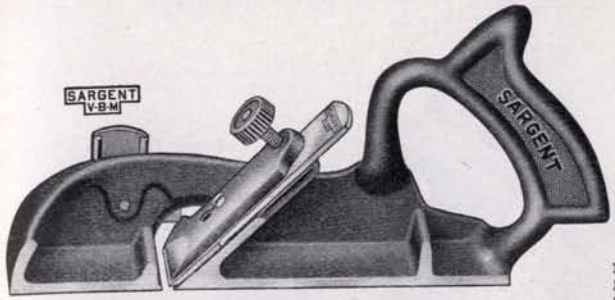


No. 217

With Screw Adjustment.

No. **217,** Japanned Finish, 7⅛ Inches, 1⅝ Inch Cutter each, net $0 75

Sargent V·B·M Adjustable Iron Planes.

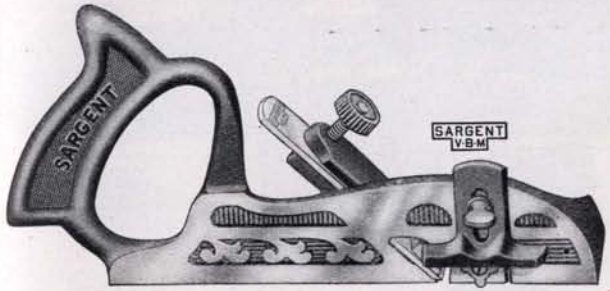


No. 186 &c.

Rabbet Planes.

With Depth Gauge.
Japanned Finish.

No. **186,** 8 Inches, 1 Inch Cutter each, net $1 35
No. **187,** 8 " 1¼ " " " " 1 35
No. **188,** 8 " 1½ " " " " 1 35

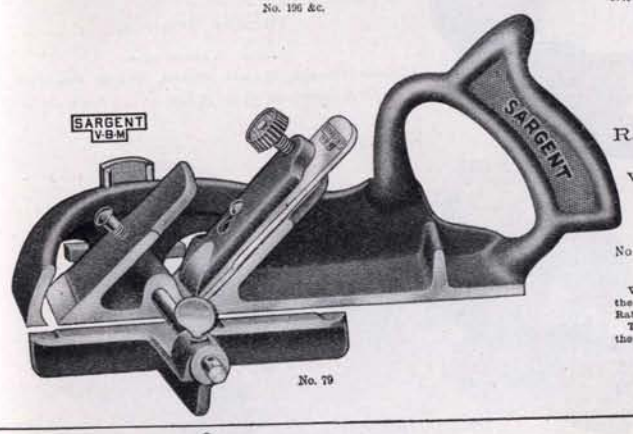


No. 196 &c.

Rabbet Planes.

With Depth Gauge and Spur.
Japanned Finish.

No. **196,** 8 Inches, 1 Inch Cutter each, net $1 50
No. **197,** 8 " 1¼ " " " " 1 50
No. **198,** 8 " 1½ " " " " 1 50



No. 79

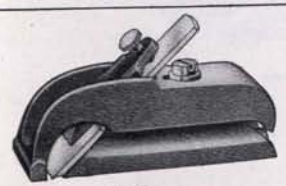
Rabbet and Filletster Planes.

With Depth Gauge and Spur and Removable Arm and Fence.
Japanned Finish.

No **79,** 8⅛ Inches, 1⅝ Inch Cutter, each, net $1 95

With two seats for Cutter. When Cutter is placed in the forward seat the Plane can be used as a Bull-Nose Rabbet.

The Arm and Fence can be placed on either side of the Plane, making a right or left hand Filletster.



No. 505.

Sargent Adjustable Iron Planes.

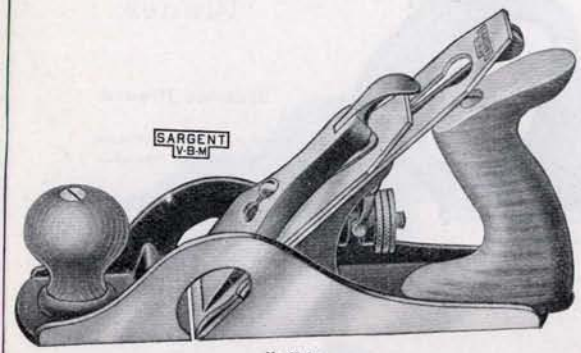
Bull-Nose Rabbet Planes.

Japanned Finish.

No. **505,** Bull-Nose Rabbet Plane, 4 Inches 1 Inch Cutter . . . . each, net $0 40

Sargent V·B·M Adjustable Iron Planes

Patented February 3, 1891.



No. 29 &c.

Carriage Makers' Rabbet Planes.

Polished Trimmings.
East India Mahogany Handle and Knob.

With Patent Side Adjustment for exact adjusting of the Cutter with the face of the Plane.

No. **29,** 9 Inches, 2⅜ Inch Cutter . . each, net $3 10
No. **30,** 13 " 2⅜ " " . " " 3 75

Corrugated Bottom

No. **29 C,** 9 Inches. 2⅜ Inch Cutter each, net $3 10
No. **30 C,** 13 " 2⅜ " " . " " 3 75

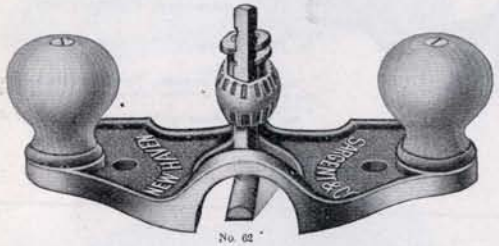
Sargent Adjustable Iron Planes.

No. 61

Router Planes.

Screw Adjustment.
Closed Throat, Nickel Plated, Wood Handles.

No. **61,** With two Cutters, ¼ and ⅛ Inch . . each, net $1 45



No. 62

Attachment packed with No. 62

Screw Adjustment.
Open Throat, Nickel Plated, Wood Handles.

No. **62,** With two Cutters, ¼ and ⅛ Inch, also extra attachment for closing the throat . . . . . each, net $1 80

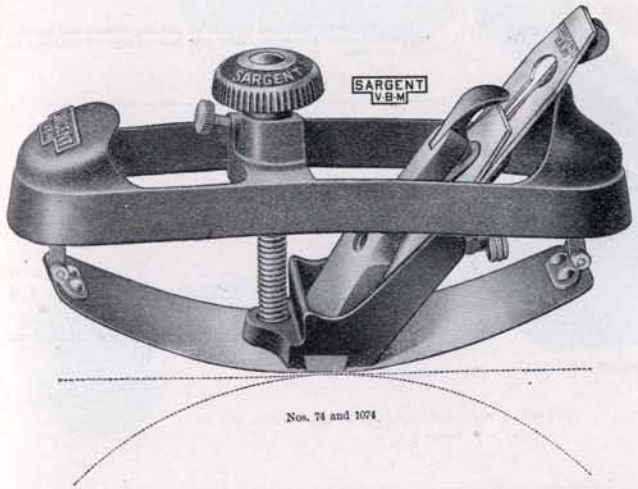
Extra Cutters for the above Router Planes.

Extra Cutters, ¼ and ⅛ Inch, ... each, net $0 40

Sargent V·B·M Adjustable Iron Planes.

Patented February 3, 1891.

Circular Planes.



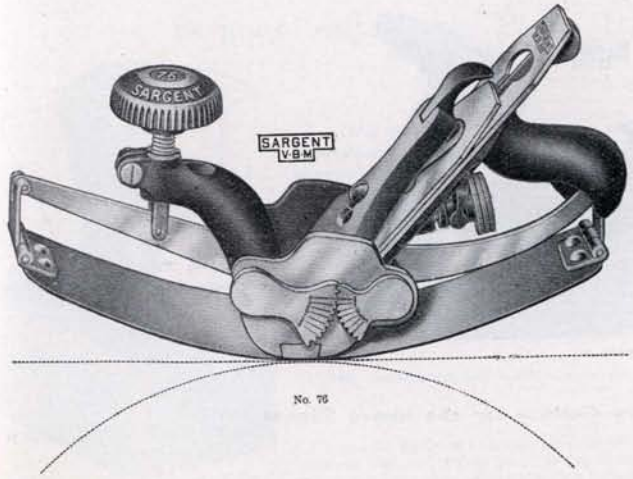
Nos. 74 and 1074

Accurately set and firmly held in position by the Knob and Set Screw.

Patent Side Adjustment for exact adjusting of the Cutter with the face of the Plane.

10 Inches, 1¾ Inch Cutter.

No. **74,** Japanned . each, net $4 00
No. **1074,** Nickel Plated . " " 4 65



No. 76

Graduated Scale.

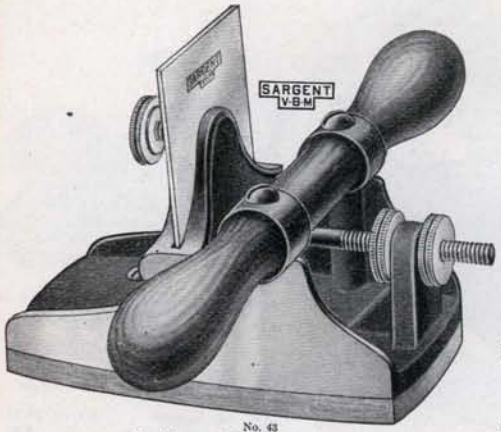
Can be accurately set to plane the arc of the same circle, both concave and convex, by turning the Knob.

Patent Side Adjustment for exact adjusting of the Cutter with the face of the Plane.

10 Inches, 1¾ Inch Cutter.

No. **76,** Japanned . . each, net $3 60

Sargent V·B·M Adjustable Iron Planes.



No. 43
No. 42 is same as No. 43 without the Wood Face.

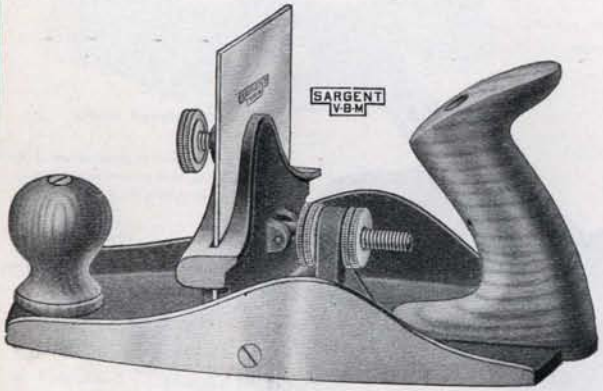
Scraper Planes.

These Planes are especially suitable for scraping veneers and finishing cabinet and other fine work. They may also be used for removing old paint and glue.

Polished Trimmings, Double Cocobolo Handle.

No. **42,** 3 Inch Cutter . . . . . each, net $2 50
No. **43,** Wood Face, 3 Inch Cutter . . . . " " 3 60

The Wood Face Plane is particularly adapted for Stair Makers' and Floor Finishers' use.



Nos. 57 and 59

Polished Trimmings.
East India Mahogany Handle and Knob.

No. **57,** 9 Inches, 2⅛ Inch Cutter . each, net $2 50
No **59,** 9 " 3 " " " " 3 60

Extra Cutters for the above Planes.

Extra Cutters, 2⅛ and 3 Inch . . . . . each, net $0 25

Sargent V·B·M Handled Cabinet Scrapers.

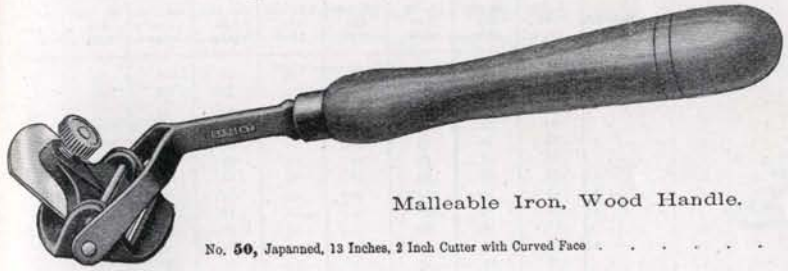
No. 54

Raised Handles.

11 Inches, 2¾ Inch Cutter.

No **54,** Japanned . each, net $1 05

Sargent Adjustable Box Scrapers.



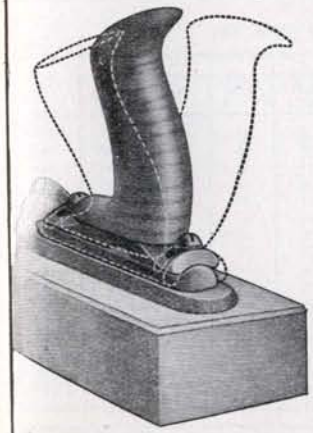
Malleable Iron, Wood Handle.

No. **50,** Japanned, 13 Inches, 2 Inch Cutter with Curved Face . . . . . each, net $0 50

No. 50

Sargent Adjustable Plane Handles.

Patented October 23, 1907.



Showing the Application of the Handle

For Sargent & Co.'s Planes.

This adjustable handle can be applied to any of Sargent & Co.'s wood-bottom planes, and to all of the iron bench planes excepting only our Nos. 7 and 407.

For Planes of Other Makes.

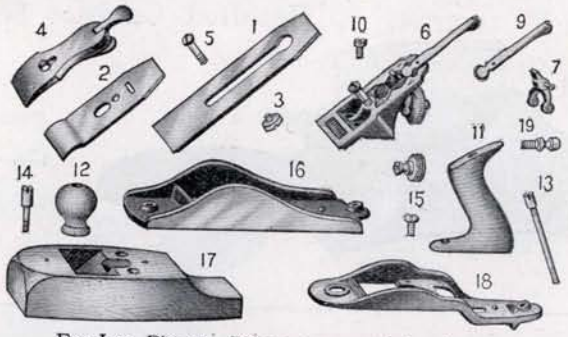
This adjustable handle can be applied to planes of any maker by using a screw with the proper thread to attach the bottom plate of the handle to the plane bed. The screws sent with the handle are suitable for the planes of some manufacturers

Half Size of No. 400.

No **400,** East India Mahogany Handle, Japanned Trimmings . . . . . each, net $0 50

The adjustable feature of this handle allows the plane to be used in corners, on floors around base-boards, on stairs, etc., without fear of barking the knuckles or injuring the hand It is particularly valuable for stair-builders, cabinet-makers, etc. It is adjustable to either right or left hand, and when once applied it may be used equally well as a straight handle.

Parts for Sargent Bench Planes.



For Iron Planes. Prices are per single piece, net.

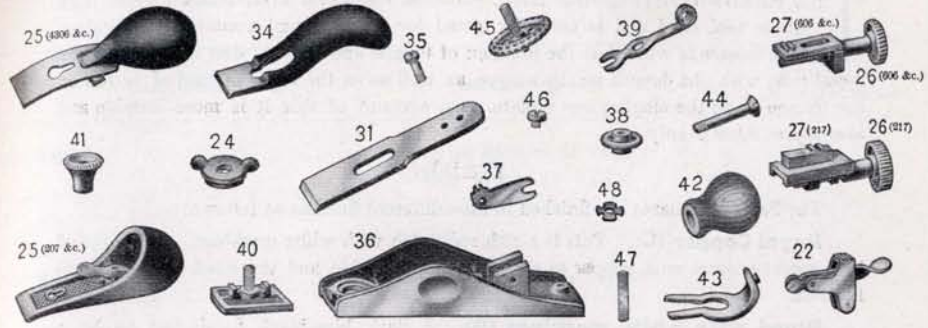
Number of the Part	For Planes Nos. ☞	7, 7C 407 407C	8, 8C 408 408C	9, 9C 409 409C	10, 10C 410 410C	14, 14C 414 414C	15, 15C 415 415C	18, 18C 418 418C	22, 22C 422 422C	24, 24C 424 424C
1	Single Steel Cutter	$0 25	25	30	35	30	35	35	35	35
2	Cap for " "	15	20	20	25	20	25	25	25	25
1 & 2	Double " "	40	45	45	55	45	55	55	55	60
3	Cap Screw	06	06	06	06	06	06	06	06	06
4	Clamp	30	30	30	30	30	30	30	30	30
5	Clamp Screw	05	05	05	05	05	05	05	05	05
6	Frog Complete	40	40	40	40	40	40	40	40	40
7	Fork Adjustment	10	10	10	10	10	10	10	10	10
8	Brass Adjusting Nut	15	15	15	15	15	15	15	15	15
9	Lateral Adjustment	10	10	10	10	10	10	10	10	10
10	Frog Screw	05	05	05	05	05	05	05	05	05
11	Handle	25	25	25	25	25	25	25	25	25
12	Knob	15	15	15	15	15	15	15	15	15
13	Handle Bolt	15	15	15	15	15	15	15	15	15
14	Knob "	15	15	15	15	15	15	15	15	15
15	Handle Screw	...	...	...	05	05	05	05	05	05
16	Bottom	1 00	1 15	1 15	1 35	1 35	1 65	1 90	2 65	3 25
19	Adjusting Screw	05	05	05	05	05	05	05	05	05

For Wood-Bottom Planes. Prices are per single piece, net.

Number of the Part	For Planes Nos. ☞	3407 3408 3409	3410	3411	3412	3415	3416 3417	3418 3420	3422 3424	3426 3428	3430
1	Single Steel Cutter	$0 25	30	30	35	30	35	35	35	35	35
2	Cap for " "	20	20	20	25	20	25	25	25	25	25
1 & 2	Double " "	45	45	45	55	45	55	55	55	60	60
3	Cap Screw	06	06	06	06	06	06	06	06	06	06
4	Clamp	25	25	25	25	25	25	25	25	25	25
5	Clamp Screw	05	05	05	05	05	05	05	05	05	05
6	Frog Complete	35	35	35	35	35	35	35	35	35	35
7	Fork Adjustment	10	10	10	10	10	10	10	10	10	10
8	Brass Adjusting Nut	15	15	15	15	15	15	15	15	15	15
9	Lateral Adjustment	10	10	10	10	10	10	10	10	10	10
10	Frog Screw	05	05	05	05	05	05	05	05	05	05
11	Handle	...	...	15	15	15	15	15	15	15	15
12	Knob	15	15	15	15	15	15	15	15	15	15
13	Handle Bolt	...	...	15	15	15	15	15	15	15	15
14	Knob "	15	15	15	15	15	15	15	15	15	15
17	Bottom	45	45	45	60	60	60	80	90	1 00	1 10
18	Top Casting	25	25	25	25	25	25	25	25	25	25

In ordering specify the number of the Part and the number of the Plane for which the part is wanted.

Parts for Sargent Block and Miscellaneous Planes.



Prices are per single piece, net.

Number of the Part	For Planes Nos. ☞	104	105	106	107	206	207	208	217	227	505
18	Top Casting	...	...	...	...	...	...	...	...	...	20
22	Adjusting Lever	...	...	...	...	...	10	...	...	...	...
25	Clamp	...	...	...	...	...	20	...	20	...	...
26	Adjusting Screw	...	...	...	...	...	...	...	10	...	...
27	Slide	...	...	...	...	...	...	...	07	...	...
31	Steel Cutter	$0 09	09	10	15	10	15	15	15	15	10
34	Clamp	05	05	10	10	10	...	10	...	10	10
35	Clamp Screw	05	05	...	...	...	05	...	05	...	05
36	Bottom	10	15	20	30	25	35	35	35	40	20
37	Adjusting Lever	...	...	...	...	06	...	06	...	...	...
38	" Nut	...	...	...	...	10	...	10	...	...	...
41	Knob	...	...	...	10	...	10	10	10	10	...
45	Wheel	...	...	10	10	10	...	10	...	10	...
47	Headless Machine Screw	...	...	...	...	05	...	05	...	...	...

Prices are per single piece, net.

Number of the Part	For Planes Nos. ☞	306 4306	307 4307	316	317	606	607	1306 5306	1307 5307	1316	1317	1606	1607
24	Cam	$0 07	07	07	07	07	07	07	07	07	07	07	07
25	Clamp	20	20	20	20	20	20	25	25	25	25	25	25
26	Adjusting Screw	...	...	...	...	10	10	...	...	...	...	10	10
27	Slide	...	...	...	...	07	07	...	...	...	...	07	07
31	Steel Cutter	20	20	20	20	20	20	20	20	20	20	20	20
35	Clamp Screw	05	05	05	05	05	05	05	05	05	05	05	05
36	Bottom	80	85	80	85	80	85	80	85	80	85	80	85
37	Adjusting Lever	06	06	06	06	...	...	06	06	06	06	...	...
38	" Nut	10	10	10	10	...	...	10	10	10	10	...	...
39	Lateral Adjustment	10	10	10	10	...	...	10	10	10	10	...	...
40	Mouth Piece	10	10	10	10	10	10	10	10	10	10	10	10
41	Knob	10	10	10	10	10	10	10	10	10	10	10	10
42	Knob Handle	...	...	15	15	...	...	...	...	15	15	...	...
43	Handle Casting	...	...	10	10	...	...	...	...	10	10	...	...
44	" Screw	...	...	05	05	...	...	...	...	05	05	...	...
46	Fillister Head Screw	05	05	05	05	...	...	05	05	05	05	...	...
47	Headless Machine Screw	05	05	05	05	...	...	05	05	05	05	...	...
48	Cog Nut	...	...	05	05	...	...	...	...	05	05	...	...

In ordering specify the number of the Part and the number of the Plane for which the part is wanted.

SARGENT STEEL SQUARES.

Quality.

THE SARGENT STEEL SQUARE, standard the world over, is made from high grade tool steel and is carefully tested for trueness and accuracy of marking. The Square is welded at the junction of tongue and body so that the grain of the metal runs with the length on the tongue as well as on the body, instead of across on the tongue as on the single piece Square. On account of this it is more durable and also tapers more evenly.

Finish.

The Sargent Squares are finished in nine different finishes as follows:

Royal Copper (C). This is a rich red finish with white markings. It is applied by a secret process with copper as a basis. It is durable and the most striking of all finishes.

Blued with white markings (B). A dark blue-black finish put on by a special process. Owing to the contrast between the blue and white enamel, these Squares are easily read even in a bright light. The finish is a particularly durable one.

Blued with yellow markings (YB). Differs from the regular Blued (B) only in the marks, which are yellow instead of white. This is preferred by some owing to the fact that yellow is considered not so hard on the eyes.

Nickel Plated (N). This finish is durable, as nickel does not corrode readily, moisture and ordinary acids having no effect on it.

Galvanized (G). This is the most durable of all, being nearer rust proof than any of the others.

Galvanized with red markings (VG). This finish is identical with the Galvanized (G) except that the figures and letters are brought out by red enamel which makes a marked contrast with the gray of the galvanizing and is easily read.

Electro Copper Plated (P). A finish obtained by coating the polished Square with a copper plate. It protects the surface of the Square and presents a fine appearance.

Electro Copper Plated Oxidized (AP). Like the Electro Copper (P) with the exception of the oxidizing process which leaves the figures and letters dark so that they may be more readily distinguished in reading the Square.

Polished (100, 1, etc.). A high finish which removes all roughness from the metal.

How Used.

On construction work of any sort the Steel Square is invaluable as a tool to insure accuracy in measuring and in determining angles. Owing to the great variety of markings, the Sargent Square is adapted for almost any purpose that a carpenter might require. It is made with every division commonly used, down to 1–100th of an inch. A description of these markings and the uses of the various tables is given in the following pages. To prevent rust the Square should be carefully wiped, preferably with an oiled rag, after using.

Sargent Squares in Assortments.

For description of Squares used in assortments see pages 22 and 24.

Numbers	Make Up	Price Per Assortment
No. **1000**	In assorted finishes as follows: One Square 100YBR " " 100VGR " " 100APR	$6.16
No. **1003**	In assorted finishes as follows: One Square 3B " " 3G " " 3P	4.80
No. **1004**	In assorted finishes as follows: One Square 3VG " " 3YB " " 3AP	4.80

Assorted Squares packed quarter dozen in a box.

Number and Finish	How Sargent Squares are marked									Price Each
The dimensions of all Squares on this page are (Body) 24″ x 2″ (Tongue) 16″ x 1½″. For description of finishes see page 20. Squares with 18 Inch Tongue of the following numbers furnished to order: Nos. 1, 1R, 3, 3R, 100, 100R, 100½.	For explanation of Rafter Table, Brace Measure, 8 Square and Essex's Board Measure see pages 28 to 32.	The "Face" of the Square is the side upon which we stamp our name. The reverse side is the "Back." Face: A, Body, Outside; B, " Inside; C, Tongue, Outside; D, " Inside. Back: E, Body, Outside; F, " Inside; G, Tongue, Outside; H, " Inside.								
		A	B	C	D	E	F	G	H	
No. **100R,** Polished	Patent Rafter Table, 8 Square, Board Measure.	1/16	1/8	1/16	1/8	1/12	1/32	1/12	1/10	$1.43 each.
The same Square finished in:										
Royal Copper (100CR)	"	"	"	"	"	"	"	"	"	2.35 each.
Nickel Plated (100NR); Electro Copper (100PR); Galvanized (100GR)	"	"	"	"	"	"	"	"	"	1.81 each.
Blued, White figures (100BR); Blued, Yellow figures (100YBR); Galvanized, Red figures (100VGR); Electro Copper, Oxidized (100APR)	"	"	"	"	"	"	"	"	"	1.89 each
No. **100,** Polished, like No. 100R except Board Measure instead of Rafter Table	Brace, 8 Square, Essex's Board Measure.	1/16	1/8	1/16	1/8 {	1-12 & 100's	} 1/32	1/12	1/10	1.30 each.
The same Square finished in:										
Royal Copper (100C)	"	"	"	"	"	"	"	"	"	2.22 each.
Nickel Plated (100N); Electro Copper (100P); Galvanized (100G)	"	"	"	"	"	"	"	"	"	1.67 each.
Blued, White figures (100B); Blued, Yellow figures (100YB); Galvanized, Red figures (100VG); Electro Copper, Oxidized (100AP)	"	"	"	"	"	"	"	"	"	1.76 each.

No. **100½,** Polished. This square is similar to No. 100, excepting the graduations are transposed, those appearing on *face* and *back* respectively of No. 100 appear on *back* and *face* respectively of No. 100½. The 100 scale is on the face of the tongue inside instead of the back of the body outside.	Brace, 8 Square, Essex's Board Measure.	1/12	1/32	1/12 {	1-10 & 100's	} 1/16	1/8	1/16	1/8	$1.30 each.
The same Square finished in:										
Royal Copper (100½C)	"	"	"	"	"	"	"	"	"	2.22 each.
Nickel Plated (100½N); Electro Copper (100½P); Galvanized (100½G)	"	"	"	"	"	"	"	"	"	1.67 each.
Blued, White figures (100½B); Blued, Yellow figures (100½YB); Galvanized, Red figures (100½VG); Electro Copper, Oxidized (100½AP)	"	"	"	"	"	"	"	"	"	1.76 each.
No. **1R,** Polished. The No. 1R differs from the No. 100R in the graduations on both the tongue and body.	Patent Rafter Table, 8 Square, Board Measure.	1/16	1/8	1/16	1/8	1/12	1/8	1/12	1/8	1.33 each.
The same Square finished in:										
Nickel Plated (1NR); Electro Copper (1PR); Galvanized (1GR)	"	"	"	"	"	"	"	"	"	1.71 each.
Blued White figures (1BR); Blued Yellow figures (1YBR); Galvanized Red figures (IVGR); Electro Copper Oxidized (1APR)	"	"	"	"	"	"	"	"	"	1.79 each.
No. **1,** Polished, like No. 1R, except Board Measure instead of Rafter Table.	Brace, 8 Square, Essex's Board Measure.	1/16	1/8	1/16	1/8 {	1-12 & 100's	} 1/8	1/12	1/8	1.20 each.
The same Square finished in:										
Nickel Plated (1N); Electro Copper (1P); Galvanized (1G)	"	"	"	"	"	"	"	"	"	1.58 each.
Blued, White figures (1B); Blued, Yellow figures (1YB); Galvanized. Red figures (1VG); Electro Copper, Oxidized (1AP)	"	"	"	"	"	"	"	"	"	1.66 each.

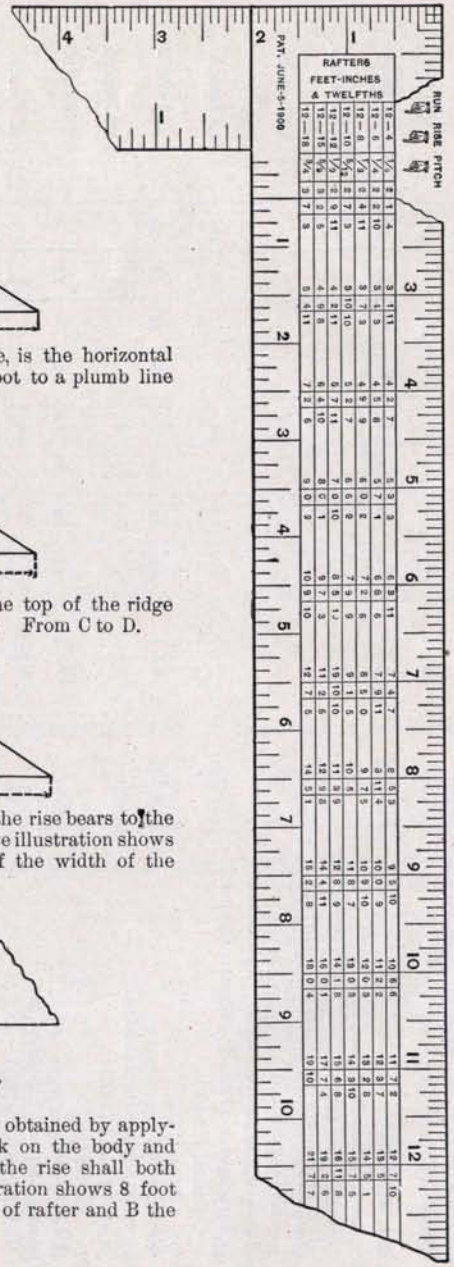
Number and Finish	How Sargent Squares are marked									Price Each
The dimensions of all Squares on this page are (Body) 24″ x 2″ (Tongue) 16″ x 1½″. For description of finishes see page 20. Squares with 18 Inch Tongue of the following numbers furnished to order: Nos. 1, 1R, 3, 3R, 100, 100R, 100½.	For explanation of Rafter Table, Brace Measure, 8 Square and Essex's Board Measure see pages 28 to 32.	The "Face" of the Square is the side upon which we stamp our name. The reverse side is the "Back." Face: A, Body, Outside. B, " Inside. C, Tongue, Outside. D, " Inside. Back: E, Body, Outside. F, " Inside. G, Tongue, Outside. H, " Inside.								
		A	B	C	D	E	F	G	H	
No. **3R,** Polished. No. 3R differs from No. 1R in the graduations on the body and tongue, also in that 8 Square is not included. The same Square finished in:	Brace Measure and Patent Rafter Table.	1/16	1/4	1/16	1/4	1/12	1/4	1/12	1/4	$1.13 each.
Nickel Plated (3NR); Electro Copper (3PR); Galvanized (3GR) . . .	"	"	"	"	"	"	"	"	"	1.51 each.
Blued, White figures (3BR); Blued, Yellow figures (3YBR); Galvanized, Red figures (3VGR); Electro Copper, Oxidized (3APR)	"	"	"	"	"	"	"	"	"	1.59 each.
No. **3,** Polished. The No. 3 differs from the No. 3R in that the Essex's Board Measure takes the place of the Rafter Table The same Square finished in:	Brace Measure and Essex's Board Measure.	1/16	1/4	1/16	1/4	1/12	1/4	1/12	1/4	1.00 each.
Nickel Plated (3N); Electro Copper (3P); Galvanized (3G)	"	"	"	"	"	"	"	"	"	1.38 each.
Blued, White figures (3B); Blued, Yellow figures (3YB); Galvanized, Red figures (3VG); Electro Copper, Oxidized (3AP)	"	"	"	"	"	"	"	"	"	1.46 each.

No. **2,** Polished, is similar to the No. 1 except that the graduations on the back of the tongue and body are not as fine. The same Square finished in:	Brace Measure, 8 Square and Essex's Board Measure.	1/16	1/8	1/16	1/8	1/12	1/4	1/12	1/4	$1.10 each.
Nickel Plated (2N); Electro Copper (2P); Galvanized (2G)	"	"	"	"	"	"	"	"	"	1.48 each.
Blued, White figures (2B); Blued, Yellow figures (2YB); Galvanized, Red figures (2VG); Electro Copper, Oxidized (2AP)	"	"	"	"	"	"	"	"	"	1.56 each.
No. **5,** Polished, is similar to the No. 3 except that the graduations on the back of the tongue and body are not as fine. The same Square finished in:	Brace Measure and Essex's Board Measure.	1/8	1/4	1/8	1/4	1/12	1/2	1/12	1/4	.95 each.
Nickel Plated (5N)	"	"	"	"	"	"	"	"	"	1.33 each.
No. **13,** Polished, is like No. 5 except that the graduations are not as fine. The same Square finished in:	"	1/8	1/4	1/8	1/4	1/4	1 In.	1/4	1/4	.90 each.
Nickel Plated (13N)	"	"	"	"	"	"	"	"	"	1.28 each.
No. **14,** Polished, corresponds exactly to No. 13 except that Brace measure is omitted. The same Square finished in:	Essex's Board Measure.	1/8	1/4	1/8	1/4	1/4	1 In.	1/4	1/4	.85 each.
Nickel Plated (14N); Electro Copper (14P); Galvanized (14G) . . .	"	"	"	"	"	"	"	"	"	1 23 each.
Blued, White figures (14B); Blued, Yellow figures (14YB); Electro Copper, Oxidized (14AP)	"	"	"	"	"	"	"	"	"	1.31 each.

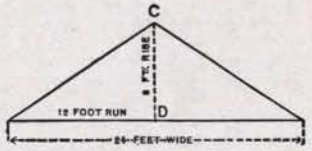
Number and Finish For description of finishes see page 20.	Size in Inches Body	 Tongue	How Sargent Squares are marked The "Face" of the Square is the side upon which we stamp our name. The reverse side is the "Back." Face: A, Body, Outside. B, " Inside. C, Tongue, Outside. D, " Inside. Back: E, Body, Outside. F, " Inside, G, Tongue, Outside. H, " Inside								Price Each
			A	B	C	D	E	F	G	H	
No. **15,** Polished, Bridge Builders', marks same as on No. 1 except 100 scale is omitted. Body has 1 Inch slot through centre, marked in one-eighths on both sides . . .	24×3	18×1½	1/16	1/8	1/16	1/8	1/12	1/8	1/12	1/8	$9.60 each.
The same Square furnished in: Nickel Plated (15N)	" "	" "	"	"	"	"	"	"	"	"	9.97 each.
No. **16,** Polished, Stone Cutters' . . .	30×2	24×1½	1/8	1/2	1/8	1/2	1/4	1 in.	1/4	1 in	2.40 each.
The same Square furnished in. Nickel Plated (16N)	" "	" "	"	"	"	"	"	"	"	"	2.78 each.
No. **17,** Polished	36×2	30×1½	1/8	1/2	1/8	1/2	1/4	1 in.	1/4	1 in	3.60 each.
The same Square furnished in: Nickel Plated (17N)	" "	" "	"	"	"	"	"	"	"	"	3.98 each.
No. **30,** Polished	18×1½	12×1	1/16	1/4	1/16	1/4	1/12	1/4	1/12	1/4	.85 each.
The same Square furnished in: Nickel Plated (30N); Galvanized (30G) .	" "	" "	"	"	"	"	"	"	"	"	1.13 each.
Blued, White figures (30B); Blued, Yellow figures (30YB); Galvanized, Red figures (30VG); Electro Copper, Oxidized (30AP)	" "	" "	"	"	"	"	"	"	"	"	1.23 each.
No. **44,** Polished	18×1½	12×1	1/8	1/4	1/8	1/4	1/4	1 in.	1/4	1/4	.80 each.
No. **10,** Polished	12×1½	8×1	1/8	1/4	1/8	1/4	1/12	1/4	1/12	1/4	.65 each.
The same Square furnished in: Nickel Plated (10N)	" "	" "	"	"	"	"	"	"	"	"	.93 each.

No. **11,** Polished	12×1½	8×1	1/8	1/4	1/8	..	1/4	1/4	1/4	..	$0.62 each.
The same Square furnished in: Nickel Plated (11N)	" "	" "	"	"	"	"	"	"	"	"	.89 each.
No. **12,** Polished	12×1½	8×1	1/16	1/8	1/16	1/8	1/12	1/8	1/12	1/8	.75 each.
The same Square furnished in: Royal Copper (12C)	" "	" "	"	"	"	"	"	"	"	"	1.67 each.
Nickel Plated (12N); Electro Copper (12P); Galvanized (12G)	" "	" "	"	"	"	"	"	"	"	"	1.03 each.
Blued, White figures, (12B); Galvanized, Red figures (12VG); Electro Copper, Oxidized (12AP)	" "	" "	"	"	"	"	"	"	"	"	1.12 each.
No. **52,** Polished	12×1½	8×1	1/16	1/8	1/16	1/8	1/12	1/32	1/12	1/10	.80 each.
The same Square furnished in: Nickel Plated (52N)	" "	"	"	"	"	"	"	"	"	"	1.07 each.
No. **40,** Polished	6×1	4×¾	1/32	1/8	1/32	1/8	1/12	1/8	1/12	1/8	.48 each.
The same Square furnished in: Nickel Plated (40N)	"	"	"	"	"	"	"	"	"	"	.76 each.
No. **41,** Polished	6×1	4×¾	1/16	1/8	1/16	1/8	1/12	1/8	1/12	1/8	.45 each.
The same Square furnished in: Nickel Plated (41N)	"	"	"	"	"	"	"	"	"	"	.73 each.
No. **21,** Polished	24×1½	12×1	Marked in 1/8ths on one side								.35 each.
No. **22,** Polished	24×1½	12×1	"	"	"	"	"	both sides			.40 each.
No. **24,** Polished	24×2	12×1½	"	"	"	"	"	"	"		.50 each.
The same Square furnished in: Nickel Plated (24N)	"	" "	"	"	"	"	"	"	"		.78 each.
Metric Measure.											
No. **314,** Polished. Tapered . . .	24×2	16×1½	1/8	1/4	1/8	1/4	Centimeters.				.87 each.
No. **322,** Polished. Not Tapered . .	24×1½	12×1	1/8		1/8		"				.42 each.

Squares with Rafter Table.

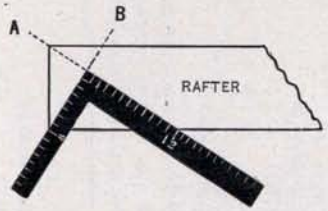


The Run of a rafter set up in place, is the horizontal measure from the extreme end of the foot to a plumb line from the ridge end. From A to B.



The Rise is the distance from the top of the ridge end of the rafter to the level of the foot. From C to D.

The Pitch is the proportion that the rise bears to the whole width of the building. The above illustration shows $\frac{1}{3}$ pitch; the rise of 8 feet being $\frac{1}{3}$ of the width of the building.



The Cuts or angles of a rafter are obtained by applying the square so that the 12 inch mark on the body and the mark on the tongue that represents the rise shall both be at the edge of the rafter. The illustration shows 8 foot rise, the line A, the cut for the foot end of rafter and B the cut for ridge end.

Rafter Table Directions.

The Rafter Table includes the outside edge graduations on the back of the square on both body and tongue, and is in twelfths. The inch marks may represent inches or feet, and the twelfth marks may represent twelfths of an inch or twelfths of a foot (that is, inches) as a scale. The edge graduation figures above the table represent the "run" of the rafter, and under the proper figure on the line representing the "pitch," will be found in the table, the rafter length required. The "pitch" is represented by the figures at the left of the table and in the illustration under the word PITCH.

12	feet	run	to	4	feet	rise	is 1/6 pitch.
12	"	"		6	"	"	1/4 "
12	"	"		8	"	"	1/3 "
12	"	"		10	"	"	5/12 "
12	"	"		12	"	"	1/2 "
12	"	"		15	"	"	5/8 "
12	"	"		18	"	"	3/4 "

TO FIND THE LENGTH OF A RAFTER.

For a roof with 1/6 pitch (or the "rise" 1/6 the width of the building) and having a "run" of twelve feet: follow in the Rafter Table the upper or 1/6 pitch ruling, find, under the graduation figure 12, the rafter length required, which is 12 7 10, or 12 feet 7 & 10/12 inches.

If the "run" is 11 feet, and the "pitch" 1/2 (or the "rise" 1/2 the width of the building) then the rafter length will be 15 6 8, or 15 feet 6 & 8/12 inches. If the "run" is 25 feet, add the rafter length for "run" of 23 feet to the rafter length for "run" of 2 feet.

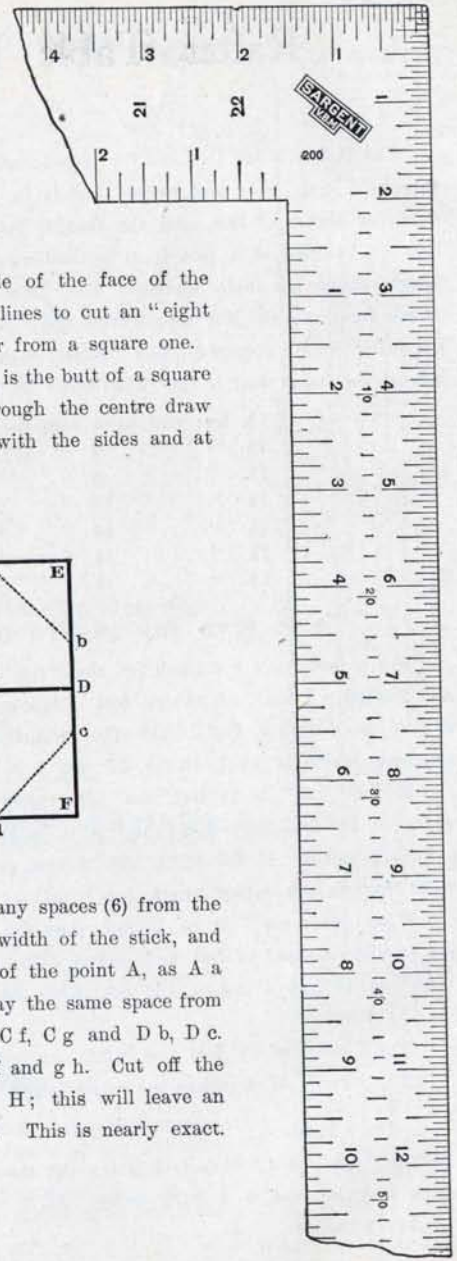
When the "run" is in inches, then in the Rafter Table read inches and twelfths instead of feet and inches. For instance: if with 1/2 pitch the "run" is 12 feet 4 inches, add the rafter length of 4 inches to that of 12 feet, as follows:

For "run" of 12 feet the rafter length is 16 feet 11 & 8/12 in.
For "run" of 4 inches the rafter length is 5 & 8/12 in.

Total . . . . . 17 ft. 5 & 4/12 in.

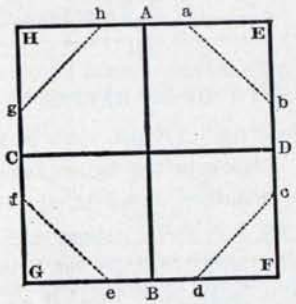
The "run" of 4 inches is found under the graduation "4" and is 5 7 11, which may be read 5 & 8/12 inches. If it were feet it would read 5 feet 7 & 11/12 inches.

Octagon "Eight-Square" Scale.

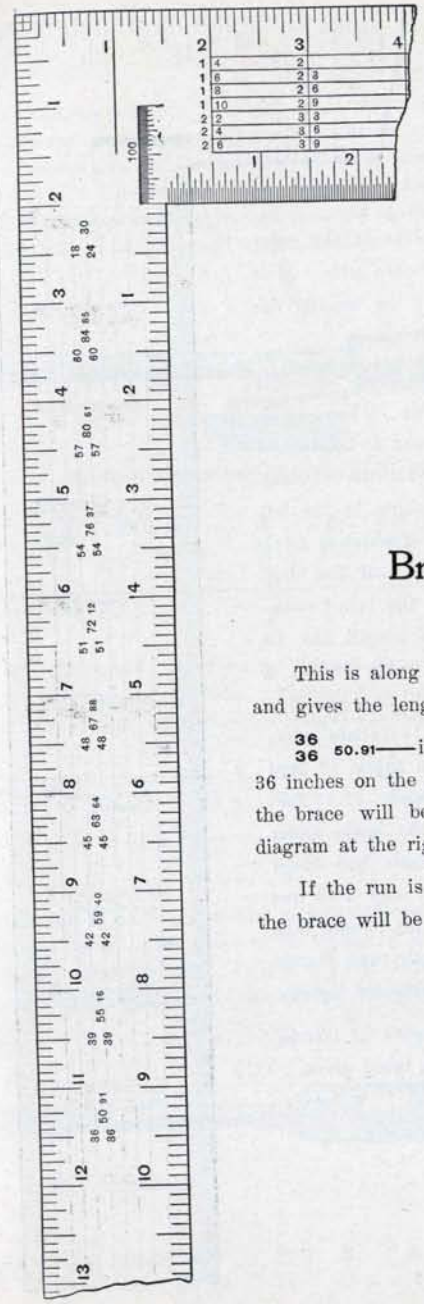


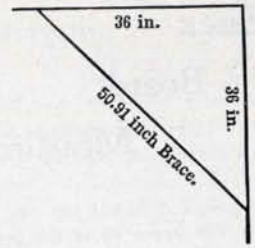
This scale is along the middle of the face of the tongue, and is used for laying off lines to cut an "eight square" or octagon stick of timber from a square one.

Suppose the figure A, B, C, D, is the butt of a square stick of timber 6 × 6 inches. Through the centre draw the lines A B and C D, parallel with the sides and at right angles to each other



With the dividers take as many spaces (6) from the scale as there are inches in the width of the stick, and lay off this space on either side of the point A, as A a and A h; lay off in the same way the same space from the point B, as B d, B e; also C f, C g and D b, D c. Then draw the lines a b, c d, e f and g h. Cut off the solid angle E, also F, G and H; this will leave an octagon, or "eight-square" stick. This is nearly exact.





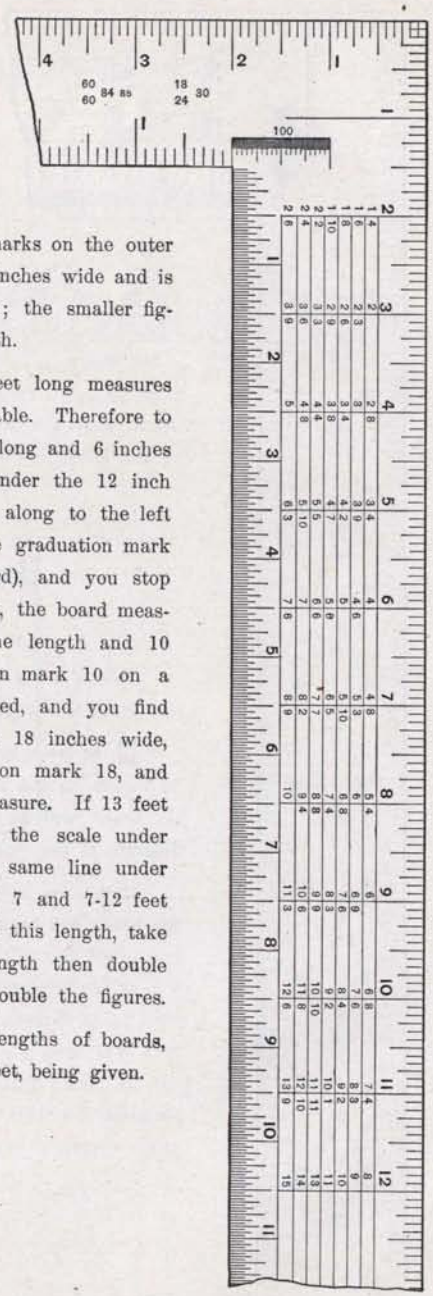
Brace Measure.

This is along the centre of the back of the "tongue," and gives the length of the common braces.

36 / 36 50.91—in the scale means, that if the run is 36 inches on the post, and the same on the beam, then the brace will be 50, 91-100 inches, as shown in the diagram at the right hand corner of this page.

If the run is 51 inches on both beam and post, then the brace will be 72, 12-100 inches, and so on.

Essex Board Measure.



The figure 12 in the graduation marks on the outer edge represents a one-inch board 12 inches wide and is the starting point for all calculations; the smaller figures under the 12 represent the length.

A board 12 inches wide and 8 feet long measures 8 square feet, and so on down the table. Therefore to get the square feet of a board 8 feet long and 6 inches wide find the figure 8 in the scale under the 12 inch graduation mark and pass the pencil along to the left on the same line to a point below the graduation mark 6 (representing the width of the board), and you stop on the scale at 4, which is four feet, the board measure required. If the board is the same length and 10 inches wide, look under the graduation mark 10 on a line with the figure 8 before mentioned, and you find 6 and 8-12 feet board measure. If 18 inches wide, then to the right under the graduation mark 18, and 12 feet is found to be the board measure. If 13 feet long and 7 inches wide, find 13 in the scale under the 12 inch graduation, and on the same line under the 7 inch graduation, will be found 7 and 7-12 feet board measure. If the board is half this length, take half of this result; if double this length then double the result. For stuff 2 inches thick double the figures.

In this way the scale covers all lengths of boards, the most common, from 8 feet to 15 feet, being given.

Sargent V·B·M Screw Drivers.

No. 66, round forged blade, red handle, highly finished cast steel with steel ferrule. These Drivers combine durability with lightness. The blade is squared on the end and forced into a small hole in the handle, where it is held by a pin through the ferrule and the squared steel. The tempered blade and the red handle are both highly polished. The handles, which are made of soft maple, are designed to fit the hand and the ribbed feature prevents slipping. The materials used in this Driver are the very best.

Sectional View showing how the blade, handle and ferrule are riveted together.

No. 66	**INCH**	**2½**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**12**
	Each	$0 15	20	25	30	35	40	45	50	55	65

No. 67, round forged blade, Cabinet Screw Drivers are of the same high quality as No. 66, differing in the blades, which are thinner, for use in cabinet, electrical and other fine work; the handles being correspondingly smaller.

No. 67	**INCH**	**2½**	**3½**	**4½**	**5½**	**6½**	**8½**	**10½**
	Each	15	20	25	30	35	45	55

No. 60 is made of the best material; forged steel, tempered blade and smooth ebonized handle. Owing to the shape of the handle, it will "stay put" and will not roll on an incline as the round handle will. It is a popular Driver for manual training work. The blade is driven into the handle and is also held in position by the slot of the ferrule.

No. 60

No. 60	**INCH**	**1½**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**10**	**12**
	Each	$0 10	12	15	18	20	22	25	30	40	50

Sargent Screw Drivers.

Nos. 50 and 53 differ only in the finish of the handles, which are of maple wood. They are high grade Screw Drivers with tempered steel blade. The grooved handles and nickel plated ferrules enhance the appearance of the Drivers.

No. 50

Black Handle.

No. 50,	INCH	1½	2	3	4	5	6	7	8	10	12
	Each	$0 10	12	13	15	18	20	22	25	30	40

No. 53

Mahogany Finish Handle.

No. 53,	INCH	2	3	4	5	6	7	8	10	12
	Each	$0 12	13	15	18	20	22	25	30	40

Sargent Screw Drivers.

Nos. 40, 20 and 1 all have the flat handle feature mentioned on the No. 60. The flat blades permit the use of a wrench.

No. 1 has the durability of the No. 20 with a higher finish. The polished ebonized maple handle, the nickel plated capped ferrule and the polished blade produce this result. Forged blade.

No. 1

No. 1,	INCH	2	3	4	5	6	7	8	10	12
	Each	$0 12	15	18	20	22	25	30	40	50

Nos. 40 and 20 differ in that the blade of the No. 20 is forged and is of heavier stock. These Drivers are the best low priced Drivers on the market.

No. 20

Forged Blade, Beechwood Handle, Brass Capped-Ferrule.

No. 20,	INCH	1½	2	3	4	5	6	7	8	10
	Each	$0 06	8	10	12	15	18	20	25	30

No. 40

Beechwood Handle, Brass Capped-Ferrule.

No. 40,	INCH	1½	2	3	4	5	6	7	8	10
	Each	$0 05	6	8	10	12	15	18	20	25

Sargent V·B·M Lock Screw Drivers.

No. 100, Lock Screw Driver, square shank for 3/16, 5/16 and 3/8 inch hubs, highly finished rosewood handle, polished steel ferrule and burnt black rustless finish on shank. This Driver is 4 inches long; the shank being 1 9/16 inches up to the knurled portion of the ferrule. This Driver is a convenient tool for the pocket. The shank is held in the ferrule and handle by means of a rivet.

No. 100

No. **100,** Lock Screw Drivers . . . . . each, $0 45

Sargent Screw Drivers.

No. 85, round (thin) tempered steel blade is good for cabinet and electrical purposes. The handle is designed to fit the hand. The ferrule is pricked on.

No. 85

Each

No. 85, **3** Inch, Highly Fin. Cast Steel, Nickel Plated Ferrule, Applewood Handle, $0 15
6 " " " " " " " " " 25

Sargent Sewing Machine Screw Drivers.

No. 30, beechwood handle, brass ferrule, 1½ inches, is a sewing machine Driver and may be used for other light work of this character.

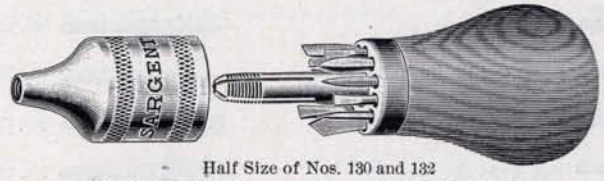
No. 30

No. 30, **1½** Inch, Beechwood Handle, Brass-Capped Ferrule . . each, $0 05

Sargent Awls and Tools.

Awls and Tools (often called Tool Holders) are combination tools adapted primarily for odd jobs. In the Sargent Awls and Tools, the tools are held firmly in position in malleable iron jaws, and will stand hard use. The tools are of a high grade of steel, tempered, and are warranted. The hardwood handles used throughout are thoroughly seasoned and highly finished.

Nos. 130 and 132 take up a minimum amount of space owing to the compact way in which the tools are held in the handle. For this reason they are especially convenient for use either by the mechanic or householder. They are 4 inches in length. In using Nos. 130 and 132, unscrew grip cap which covers the tools in handle, select tool required and place in position in the jaws, replace the cap which then locks the jaws. On other numbers the thumb nut regulates the jaws, locking the tools in position.



Half Size of Nos. 130 and 132
Showing each tool in separate receptacle in the handle

Tools contained in each handle.

Two Small Brad Awls No. 609	One Scratch Awl No. 625	One Screw Driver No. 616
" Medium " " " 605	" Belt " " 614	" Countersink " 617
One Large " " " 601	" Reamer No. 615	" Tack Claw " 613
	" Chisel " 612	

Half Size of Nos. 130 and 132

No wrench required.

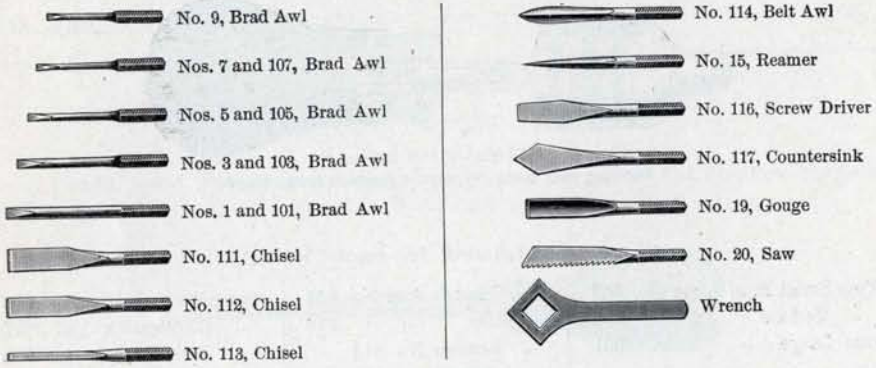
Tools made of Highest Grade of Cast Steel.

Nickel Plated Grip Cap.

No. **130,** Applewood Handle, 12 Tools . . . . . each, $0 50
No. **132,** Cocobolo " 12 " . . . . . " 60

Aiken's Patent Awls and Tools.

Half Size of Handle for Nos. 20, 110 and 120
The Awls, Tools and Wrench are all contained in the receptacle in the handle



Half Size of Tools with Nos. 20, 110 and 120

Aiken's Pattern.

Tools Warranted Superior Cast Steel.

No. **110**, Patent Handle with 10 Brad Awls . . . . . each, $0 30
No. **120**, " " " 14 " " and 6 Tools . . . " 35

Aiken's Genuine.

Tools Warranted Highest Grade of Cast Steel.

No. **20**, Patent Handle with 10 Brad Awls and 9 Tools . . . . each, $0 50

Separate Awls and Tools for Aiken's Handles.

Separate Brad Awls for Aiken's Patent Handles, Assorted . . . . each, $0 20
Separate Tools " " " " " . . . " 25

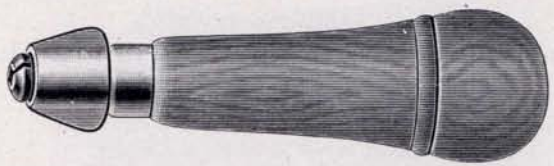
Table Showing Awls and Tools contained in each Handle.

Patent Handle	BRAD AWLS								
	No. 1	No. 3	No. 5	No. 7	No. 9	No. 101	No. 103	No. 105	No. 107
No. **110**	..	..	..	..	..	3	2	2	3
No. **120**	..	..	..	..	..	4	4	3	3
No. **20**	2	2	2	2	2	..	..	..	..

Patent Handle	CHISELS			Belt Awl No. 114	Reamer No. 15	Screw Driver No. 116	Countersink No. 117	Gouge No. 19	Saw No. 20
	No. 111	No. 112	No. 113						
No. **110**	..	..	..	..	..	..	..	..	..
No. **120**	1	..	1	1	1	1	1	..	..
No. **20**	..	2	1	1	1	1	1	1	1

Sargent Awls and Tools.

Patented August 12, 1884 and August 19, 1884.



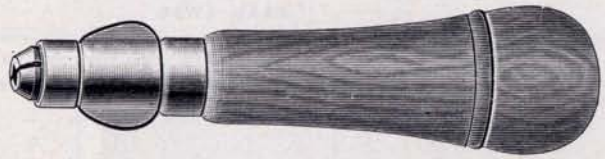
Half Size of Handles for Nos. 160 and 161
The Awls and Tools are all contained in the receptacle in the Handle

No Wrench required.

Tools Made of Superior Cast Steel.

Nickel Plated Thumb Nut and Gripe.

	Each
No. **160,** Applewood Handle, 10 Tools, as per cut, except Reamer and Gouge,	$0 40
No. **161,** Cocobolo Handle, 10 Tools, as per cut, except Reamer and Countersink,	60



Half Size of Handles for Nos. 60, 61 and 62
The Awls and Tools are all contained in the receptacle in the Handle

No Wrench required.

Tools made of Superior Cast Steel.

Superior Nickel Plated Thumb Nut and Gripe.

	Each
No. **60,** Applewood Handle, 10 Tools, as per cut, except Reamer and Gouge,	$0 45
No. **61,** Cocobolo Handle, 10 Tools, as per cut, except Reamer and Countersink,	60

Tools Warranted the Highest Grade of Cast Steel.

Extra Fine Finish, Superior Nickel Plated Thumb Nut and Gripe.

	Each
No. **62,** Cocobolo Handle, 10 Tools, as per cut, except Scratch Awl and Countersink,	$0 65

Separate Awls and Tools.

For Nos. 60, 61, 62, 160 and 161.

Brad Awl

No. 207 for Handles Nos. 60, 61, 160 and 161
No. 307 for Handle No. 62

Brad Awl

No. 205 for Handles Nos. 60, 61, 160 and 161
No. 305 for Handle No. 62

Brad Awl

No. 203 for Handles Nos. 60, 61, 160 and 161
No. 303 for Handle No. 62

Brad Awl

No. 201 for Handles Nos. 60, 61, 160 and 161
No. 301 for Handle No. 62

Gimlet

No. 214 for Handles Nos. 60, 61, 62, 160 and 161

Scratch Awl

No. 215 for Han Nos. 60, 61, 160 and 161

Reamer

No. 315 for Handle No. 62

Screw Driver

No. 216 for Handles Nos. 60, 61, 160 and 161
No. 316 for Handle No. 62

Countersink

No. 217 for Handles Nos. 60 and 160

Tack Claw

No. 213 for Handles Nos. 60, 61, 160 and 161
No. 313 for Handle No. 62

Chisel

No. 211 for Handles Nos. 60, 61, 160 and 161
No. 311 for Handle No. 62

Gouge

No. 219 for Handles Nos. 61 and 161
No. 319 for Handle No. 62

Half Size of Tools with Nos. 60, 61, 62, 160 and 161

Sargent Awls and Tools.

Half Size of Handles for Nos. 70, 72, 80 and 82
The Awls and Tools are all contained in the receptacle in the Handle

Extra Large Handle and Tools.

No Wrench required.

Tools Warranted the Highest Grade of Cast Steel.

Extra Fine Finish, Superior Nickel Plated Thumb Nut and Gripe.

No. **70,** Applewood Handle, 9 Large Tools, as per cut . . . . each, $1 10
No. **80,** " " 9 " " " " " . . . . " " 1 05
No. **72,** Cocobolo " 9 " " " " " . . . . " " 1 25
No. **82,** " " 9 " " " " " . . . . " " 1 15

For Nos. 70, 72, 80 and 82.

Brad Awl
No. 405 for Handles No. 72 and 82

Brad Awl
No. 503 for Handles Nos. 70 and 80
No. 403 for Handles Nos. 72 and 82

Brad Awl
No. 501 for Handles Nos. 70 and 80

Gimlet
No. 514 for Handles Nos. 70, 72, 80, 82

Reamer and Scratch Awl Combined
No. 515 for Handles Nos. 70, 72, 80, 82

Screw Driver
No. 516 for Handles Nos. 70, 72, 80, 82

File
No. 518 for Handles Nos. 70 and 72

Chisel
No. 510 (3/8 in.) for Nos. 80 and 82
No. 512 (7/16 in.) for Nos. 70, 72, 80, 82

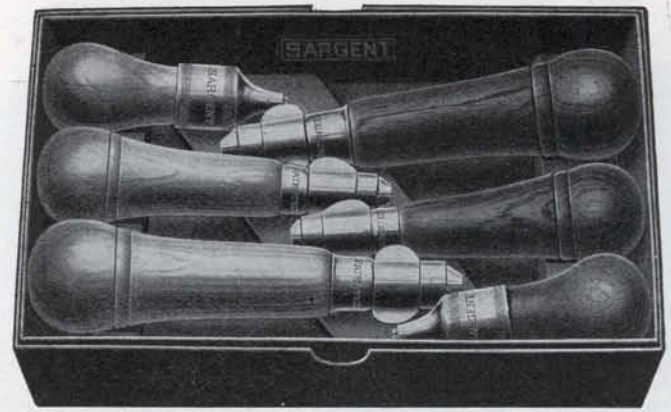
Gouge
No. 519 for Handles Nos. 70, 72, 80, 82

Saw
No. 520 for Handles Nos. 70, 72, 80, 82

Half Size of Tools with Nos. 70, 72, 80 and 82

Sargent Awls and Tools.

Assortment No. 1.



Assortment No. 1, Display Box with 6 Handles . . . . . each, $5 35

This display box shows in an attractive manner six different handles—three applewood and three cocobolo—all complete with Awls and Tools.

The assortment is made up of one each of the following:

No. 130, Applewood	No. 61, Cocobolo
No. 132, Cocobolo	No. 70, Applewood
No. 60, Applewood	No. 82, Cocobolo

Illustrated and fully described on the preceding pages.

Sargent V·B·M Tool Cabinets.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

No. 1

Stained Hardwood Case.

Single Door.

Outside dimensions when closed: 24 Inches high, 16 Inches wide, 5½ Inches thick.

No. **1**, Sargent V·B·M Tool Cabinet, Complete with 28 Selected Tools as described on the following page . . . . . each, $20 00
Cabinet *without tools* . . . . . " 8 50

Tools Used With Sargent V·B·M Cabinets as shown on the preceding page.

Every Tool Warranted.

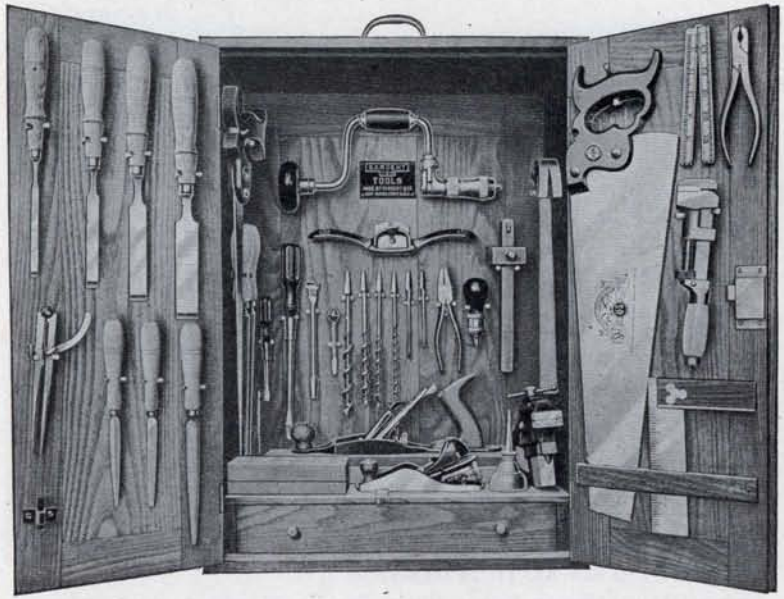
Sargent V·B·M Screw Driver No. 60, 4 Inches
Sargent V·B·M Adz Eye Hammer No. 2
Sargent Awls and Tools No. 130
Sargent Spoke Shave No. 21
Sargent Block Plane No. 206
Sargent V·B·M Smooth Plane No. 3408
Washita Oilstone No. 1, Mounted, 4 × 1½ Inches
Handled Half Round Bastard File, 6 Inches
Millers Falls Brace No. 23, 8 Inches
Syracuse Nail Set No. 93
Ladd Pliers No. 77, 4½ Inches
Sargent Gas Pliers No. 25, 6 Inches.
Sargent Oiler No. 0
Upson Rule No. 61
Sargent Divider No. 50, 6 Inches
Sargent Try Square No. 2, 6 Inches
Sargent T Bevel No 2, 6 Inches
Sargent V·B·M Saw No. 17, 18 Inches
Sargent V·B·M German Pattern Gimlet Bits No. 99, each 4 and 6 Inches
Sargent V·B·M Auger Bits No. 55, each 4, 6, 8 and 10 Inches
Sargent V·B·M Chisels No. 53, each ¼, ½ and ¾ Inch
Sargent Countersink No. 9

The twenty-eight Tools, which are furnished with the Cabinet, are of a high grade and warranted. The Tools have been selected with great care in order to insure a comprehensive set.

Sargent V·B·M Tool Cabinets.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M



No. 2

Stained Hardwood Case.

Double Doors.

Outside dimensions when closed: 26⅜ Inches high, 19⅜ Inches wide, 8 3/16 Inches thick.

No. **2,** Sargent V·B·M Tool Cabinet, complete with 38 Selected Tools as described on the following page . . . . . each, $34 00

Cabinet ***without tools*** . . . . . " 11 25

Tools Used With Sargent V·B·M Cabinets as shown on the preceding page.

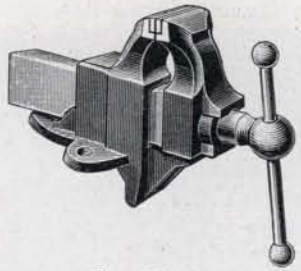
Every Tool Warranted.

Sargent V·B·M Screw Driver No. 66, 6 Inches
Sargent V·B·M Cabinet Screw Driver No. 67, 2½ Inches
Sargent Awls and Tools No. 132
Sargent Block Plane No. 217
Sargent V·B·M Jack Plane No. 3415
Washita Oilstone No. 1, Mounted, 6 × 2 Inches
Sargent Oiler No. 0
Millers Falls Ratchet Brace No. 323, 8 inches
Syracuse Nail Set No. 93
Spoke Shave No. 53
Handled Half Round Bastard File, 6 Inches
Handled Warding Bastard File, 4 Inches
Handled Flat Bastard File, 8 Inches
Handled Mill File, 8 Inches
Handled Double Ender File, 8 Inches
Sargent V·B·M Pliers No. 59, 6 Inches
Sargent Gas Pliers No. 25, 6 Inches
Upson Rule No. 61
Sargent Try Square No. 2, 6 Inches
Sargent Divider No. 50, 6 Inches
Sargent Marking Gauge No. 540
Sargent V·B·M German Pattern Gimlet Bits No. 99, each 4 and 6 Inches
Sargent V·B·M Auger Bits No. 98, each 4, 6, 8 and 10 Inches
Sargent V·B·M Chisels No. 53, each ¼, ½, ¾ and 1 Inch
Sargent Countersink No. 17
Sargent V·B·M Saw No. 17, 18 Inches
Sargent V·B·M Compass Saw No. 1, 14 Inches
Sargent V·B·M Hammer No. 1½
Sargent Expansive Bit No. 72
Jersey Vise No. 41
Sargent Patent Combination Pipe and Auto Wrench No. 55, 8 Inches

The thirty-eight Tools in this Cabinet are equal to any on the market in quality. The fact that the Cabinet is Sargent V·B·M speaks for itself. The selection includes every tool that would be required in an ordinary way by a carpenter or amateur. This Cabinet in design and finish is not only a receptacle for the Tools but is an attractive piece of furniture. The fixtures for holding the Tools are of brass. The lock has a brass bolt.

Sargent Bench Vises.

"Victor" Machinists' Parallel Vises.



Nos. 43 to 45

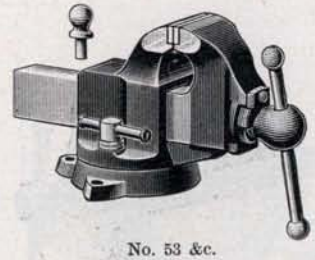
Japanned, Steel-Faced Jaws.

Numbers	Each	Width of Jaw	Size of Opening	Weight
43	$5 50	3 Inch	4 Inch	25½ lbs.
43½	7 00	3⅝ "	5½ "	31 "
44	8 50	4⅛ "	6 "	42 "
44½	10 00	4⅝ "	7 "	51 "
45	13 00	5¼ "	8 "	70 "

No. 43 series are high grade machinist Vises with a close fitting slide. The fit of the slide is such that there is a minimum of space without impeding the screw adjustment in opening or closing the jaws. No. 43 is made with steel-faced jaws similar to No. 53.

Sargent Bench Vises.

"Victor" Machinists' Vises–Swivel Bottom.



No. 53 &c.

Japanned, Steel-Faced Jaws.

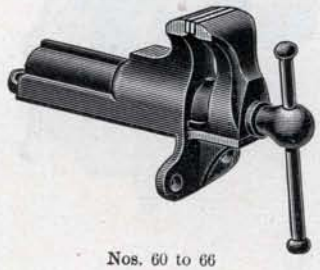
Numbers	Each	Width of Jaw	Size of Opening	Weight
53	$10 50	3¼ Inch	4½ Inch	36 lbs.
53½	13 15	3¾ "	5 "	53½ "
54	15 80	4½ "	7 "	67 "
54½	21 00	5 "	8½ "	90 "
55	30 00	5½ "	10 "	125 "

No. 53 series have a swivel base which may be locked in any position by means of the lever on the side. Where limited space does not permit the lever to be used on one side it may be reversed by unscrewing the lever and removing the pin in the opposite side; replacing the pin with the lever and vice versa. The steel-faced jaws are polished and milled and come together very evenly. The body of the Vise has a Japan finish. The main screw and lever are of wrought steel. The remainder of the Vise, with the exception of the steel face, is cast iron, the slide being a close fit in the opening of the body.

To set up the stationary Bench Vise and Vises 53 to 55, use bolts or heavy screws through the holes cast in the iron base shown in the illustration.

Sargent Bench Vises.

Oval Slide Vises.



Nos. 60 to 66

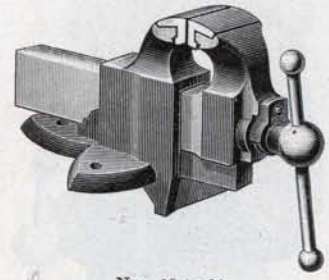
Japanned, Steel-Faced Jaws.

Numbers	Each	Width of Jaw	Size of Opening	Weight
60	$1 55	2½ Inch	3 Inch	5 lbs.
61	1 70	2¾ "	3¾ "	7 "
62	2 20	3 "	4 "	10½ "
63	3 00	3½ "	4¾ "	19 "
64	3 80	4⅛ "	4¾ "	27 "
65	5 00	4½ "	5½ "	40 "
66	6 50	5 "	6½ "	56 "

The No. 60 series are low-priced Vises. The design is such that the greatest strength is where the strain is greatest. The steel faces are firmly welded to the jaws. The screws and handles are of steel, other parts are cast iron.

Sargent Bench Vises.

Machinists' Parallel Vises.



Nos. 10 to 14

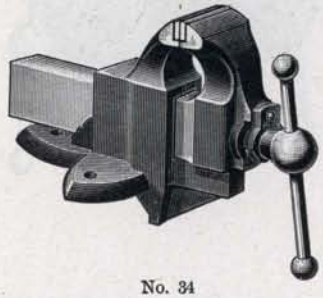
Japanned, Steel-Faced Jaws.

Numbers	Each	Width of Jaw	Size of Opening	Weight
10	$6 00	3⅛ Inch	3½ Inch	22½ lbs.
11	7 00	3⅝ "	3½ "	34 "
12	8 50	4⅛ "	4½ "	43 "
13	10 00	4¾ "	5½ "	60 "
14	13 00	5⅜ "	6 "	80 "

No. 10 series are superior stationary Vises with a close fitting slide. The milled steel faces of the jaws are wedge shaped and are a driving fit on the jaws. When worn they may be replaced. Aside from the handle and polished steel face, the Vise is of solid cast iron with a strongly reinforced neck, where most of the strain is borne. The finish on the body of the Vise is a smooth Japan.

Sargent Bench Vises.

Filers' Parallel Vises.



No. 34

Japanned, Steel-Faced Jaws.

Number	Each	Width of Jaw	Size of Opening	Weight
34	$7 00	4¼ Inch	3½ Inch	35 lbs.

No. 34 is similar to No. 10 in design with the exception of the jaws. These taper to a sharper edge, permitting more clearance in use for filing or sawing, and the faces are welded instead of driven.

Sargent Bench Vises.

Machinists' Vises—Swivel Bottom.

Nos. 19 to 22 with Anvil
No. 23 is without the Anvil

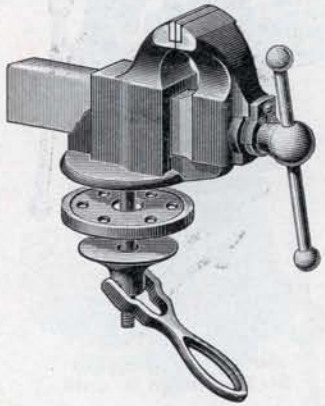
Japanned, Steel-Faced Jaws, Steel Anvil.

Numbers	Each	Width of Jaw	Size of Opening	Weight
19	$4 30	2 Inch	2 Inch	8½ lbs.
20	5 20	2¼ "	2⅛ "	8½ "
21	7 50	3⅛ "	3¼ "	25 "
22	8 75	3⅝ "	3½ "	37 "
23	10 50	4⅛ "	4½ "	50 "

Nos. 19 to 22, Swivel Vises, have all the features of Nos. 10 to 14 with the addition of a small anvil and the swivel bottom feature. The anvil is of steel and is convenient for use in shaping metals under a hammer. The No. 23 is made without the anvil. The swivel feature permits the use of the Vise in any angle of the plane in which it is set up. The lever and sleeve shown at the lower extremity, working on the threaded bar, acts on the base, locking the Vise in the position desired.

Sargent Bench Vises.

Filers' Parallel Vises—Swivel Bottom.



No. 74

Japanned, Steel-Faced Jaws.

Number	Each	Width of Jaw	Size of Opening	Weight
74	$7 50	4¼ Inch	3½ Inch	36½ lbs.

No. 74 has the tapering jaws and welded steel faces of the No. 34. In other respects it is similar in design to the No. 23 with swivel base and without anvil.

To set up Nos. 19 to 23 and No. 74, bore a hole in the bench on which the Vise is to be placed through which the long steel stud underneath the Vise will project. Remove the sleeve, lever and circular plate from the stud. Screw or bolt the plate down with the large opening placed over the hole in the bench to receive the stud. Then place the Vise in position at the desired angle on the plate and screw up the sleeve and lever on the end of the stud, projecting through the bench. This will lock the Vise in position as required.

Sargent Saw Vises.

Sargent Saw Vises are constructed in such a way that they combine lightness, durability and ease of adjustment. The line comprises eleven distinct patterns. Clean castings and a smooth japanned finish are points of superiority in Sargent Saw Vises.

Nos. 151 and 152

Wentworth Improved Pattern.

Noiseless. Rubber Cushion Jaws.

No. **151,** Japanned, Polished Face, 9 Inches in height, 11 Inch Jaws . . . . . each, $1 00

No. **152,** Japanned, Polished Face, 11 Inches in height, 15 Inch Jaws . . . . . each, 1 35

No. 153

Wentworth Improved Pattern.

Noiseless. Rubber Cushion Jaws.

No. **153,** Japanned, Polished Face, 9½ Inches in height, 6½ Inches from bench, 11 Inch Jaws, each, $1 35

With Screw Clamp for fastening to bench and Screw Adjustment for holding the Vise at any angle.

No. 100

9½ Inch Jaws, Polished Face.

No. **100,** Japanned, 8 Inches in height . . each, $0 50

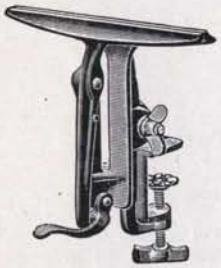
Sargent Saw Vises.

No. 90

9½ Inch Jaws, Polished Face.

No. **90,** Japanned, 8 Inches in height, 4¾ Inches from bench . . . . . each, $0 60

A Stationary Vise with Screw Clamp for fastening to bench.



No. 93

9½ Inch Jaws.

No. **93,** Japanned, 9 Inches in height, 6 Inches from bench . . . . . each, $0 65

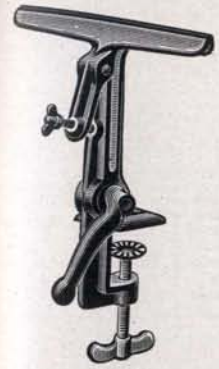
Wearing parts of malleable iron, with Screw Clamp for fastening to bench and Screw Adjustment for holding the Vise at any angle.

No. 103

9½ Inch Jaws, Polished Face.

No. **103,** Japanned, Heavy, 9 Inches in height, 6 Inches from bench . . . . each, $0 75

Wearing parts of malleable iron, with Screw Clamp for fastening to bench and Lever Adjustment for holding the Vise at any angle.



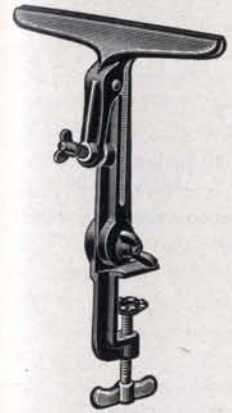
No. 92

Sargent Saw Vises.

9½ Inch Jaws.

No. **92,** Japanned, 8 Inches in height, 4¾ Inches from bench . . . . . each, $0 65

With Screw Clamp for fastening to bench and Lever Adjustment for holding the Vise at any angle.

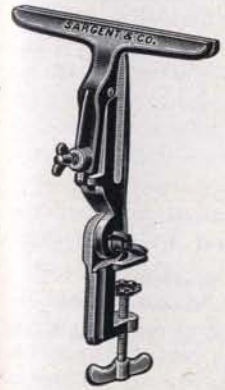


No. 94

9½ Inch Jaws.

No. **94,** Japanned, 12½ Inches in height, 9¼ Inches from bench . . . . . each, $0 65

With Screw Clamp for fastening to bench and Screw Adjustment for holding the Vise at any angle.



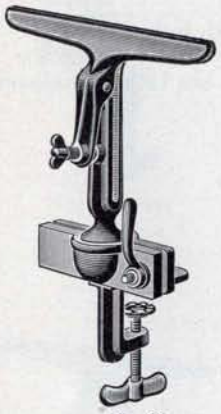
No. 104

9½ Inch Jaws, Polished Face.

No. **104,** Japanned, Heavy, 12½ Inches in height, 10 Inches from bench . . . each, $0 75

With Screw Clamp for fastening to bench and Screw Adjustment for holding the Vise at any angle.

Sargent Saw Vises.



No. 95

9½ Inch Jaws.

No. **95,** Japanned, 13½ Inches in height, 10 Inches from bench . . . . . each, $0 90

With Screw Clamp for fastening to bench, Ball and Socket Adjustment for holding the Vise at any angle.

No. 105

9½ Inch Jaws, Polished Face.

No. **105,** Japanned, Heavy, 13¼ Inches in height, 10 Inches from bench . . . each, $1 05

With Screw Clamp for fastening to bench, Ball and Socket Adjustment for holding the Vise at any angle.

Sargent V·B·M Chisels.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

In carpentry, the chisel is an indispensable tool. It is one of the tools most abused, being often used for prying open cases, and even as a screw driver, although adapted solely for cutting wood surfaces. While not ordinarily a finishing tool, a high grade chisel, (the Sargent V·B·M) with the right amount of clearance in the blade, properly ground and honed, produces a very smooth surface.

The chisel should be absolutely level on the back (the side not beveled). An inferior chisel is ground off on the back near the cutting edge, with the result that, in use, it tends to follow the grain of the wood, splitting it off unevenly, as the user cannot properly control his tool. The level back allows the chisel to take off the very finest shaving, and where a thick cut is desired, it will not strike too deep. This is a point to be found in Sargent V·B·M Chisels.

They are made of selected steel with the blade almost imperceptibly widening towards the cutting edge. The blades are oil tempered and carefully tested. The ferrule and blade of the socket chisel are so carefully welded together that they practically form a single piece. The highly finished hickory handles are all of selected and thoroughly seasoned wood. Sargent V·B·M Chisels will stand the double test of cutting power and durability.

Socket Chisels are preferred to Tang by most carpenters in America, owing to the fact that they are stronger and that the handles are less apt to split. In the foreign market the Tang Chisel is still very largely used, although the American Socket is making inroads. The Tang Chisel being the shorter of the two, permits the user to get closer to his work. In order to avoid somewhat the tendency to split, the handles of the Sargent Tang Chisels are not driven into place, which allows for expansion before the tool is put into service.

Beveled edges are preferable to plain blades as they tend to drive the tool forward and also have greater clearance. The leather heads furnished on the handles serve to protect them from splitting.

The Butt Chisel, owing to its short blade, is adapted for close accurate work, where not much power is required. It is particularly suited for putting on small hardware, which does not necessarily require the use of a hammer. It may be used almost like a jack knife with the hand placed well down the blade towards the cutting edge. The short blade and handle make it convenient for carrying in the pocket. Sargent V·B·M Butt Chisels are all ground sharp and hand honed, ready for use.

Directions for Sharpening Chisels.

In honing a chisel use a good grade oil stone. Pour a few drops of machine oil on the stone, or if you have no machine oil, use lard oil, or sperm oil. We find that the best results are obtained by using a carborundum stone. The carborundum cuts faster than most other abrasives.

Hold the chisel in the right hand and grasp the edges of the stone with the fingers of the left hand to keep from slipping; or better, place the stone on a bench and block it so it cannot move. You will then have both hands free to use in honing your chisel. If you have two hands free, grasp the chisel in the right hand where the shoulder joins the socket; place the middle and fore finger on the blade near the cutting edge; rub the chisel on the stone away from you, being careful to keep the original bevel.

Never sharpen the chisel on the ***back*** or flat side; this should be kept ***perfectly flat.*** For paring, the taper should be long and thin. The longer the bevel on the cutting edge, the easier the chisel will work, and the easier it is to hone it. Bevel edge chisels are more easily sharpened than plain edge chisels, as there is not so much steel to be removed in sharpening.

In case the chisel is badly "nicked," it will have to be ground on a grind-stone before honing. Never use a file. Be sure to use plenty of water on the stone, so as not to draw the temper of the chisel, and be particular to keep the original taper of the bevel. After grinding, hone on an oil stone as above.

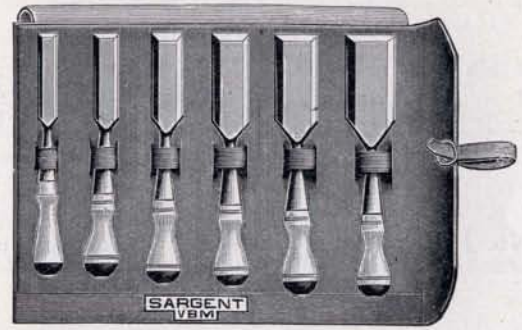
Sargent V·B·M Socket Firmer Butt Chisels

All Tools bearing the V. B. M. stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

Butt Chisels in Rolls are easily carried and well protected. The case is of dark pliable canvas, lined with Canton flannel.

In Canvas Rolls—Socket and Tang.



No. 421 L

Socket.

No. **421,** One No. 121 Chisel of each size ¾ to 2 Inch, 6 Chisels . . . per set, $5 10
No. **421 L,** " No. 121 L " " " " ¾ to 2 " 6 " . " 5 50

Tang.

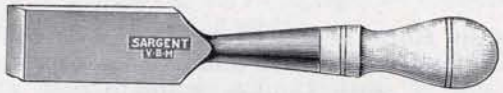
No. **463,** One No. 163 Chisel of each size ¾ to 2 Inch, 6 Chisels . . per set, $5 55
No. **463 L,** " No. 163 L " " " " ¾ to 2 " 6 " . " 5 80

Sargent V·B·M Socket Firmer Butt Chisels.

Short Chisels, 3⅜ Inch Blade, Length over all, 10 Inches. Suitable for use in putting on Butts and for other close work. Ground Sharp and Set Ready for Use.

No. 110, Socket Firmer Butt Chisels.

Solid Steel Blade, All-Wood Handle.



Inch	1-8	1-4	3-8	1-2	5-8	3-4
Each	$0 45	50	55	60	65	70
Inch	**7-8**	**1**	**1¼**	**1½**	**1¾**	**2**
Each	$0 75	80	85	90	95	1 00

In Sets, Assorted.

12 Chisels, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $6 90
6 " ¾ " 2 " (1 " ¾, 1, 1¼, 1½, 1¾ and 2 Inch) . . " 4 00

No. 110L, Socket Firmer Butt Chisels.

Solid Steel Blade, Leather-Head Handle.

Inch	1-8	1-4	3-8	1-2	5-8	3-4
Each	$0 50	55	60	65	70	75
Inch	**7-8**	**1**	**1¼**	**1½**	**1¾**	**2**
Each	$0 80	85	90	95	1 00	1 05

In Sets, Assorted.

12 Chisels, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $7 40
6 " ¾ " 2 " (1 " ¾, 1, 1¼, 1½, 1¾ and 2 Inch) . . " 4 25

Sargent V·B·M Socket Firmer Butt Chisels.

Short Chisels, 3⅜ Inch Blade, Length over all, 10 Inches. Suitable for use in putting on Butts and for other close work. Ground Sharp and Set Ready for Use.

No. 121, Beveled Socket Firmer Butt Chisels.

Solid Steel Blade, All-Wood Handle.

Inch	1-8	1-4	3-8	1-2	5-8	3-4
Each	$0 60	65	70	75	80	85
Inch	**7-8**	**1**	**1¼**	**1½**	**1¾**	**2**
Each	$0 90	95	1 05	1 10	1 15	1 25

In Sets, Assorted.

12 Chisels, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $8 00
6 " ¾ " 2 " (1 " ¾, 1, 1¼, 1½, 1¾ and 2 Inch) . . " 4 70

No. 121L, Beveled Socket Firmer Butt Chisels.

Solid Steel Blade, Leather-Head Handle.

Inch	1-8	1-4	3-8	1-2	5-8	3-4
Each	$0 65	70	75	80	85	90
Inch	**7-8**	**1**	**1¼**	**1½**	**1¾**	**2**
Each	$0 95	1 00	1 10	1 15	1 20	1 30

In Sets, Assorted.

12 Chisels, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $8 40
6 " ¾ " 2 " (1 " ¾, 1, 1¼, 1½, 1¾ and 2 Inch) . . " 4 95

Sargent V·B·M Tang Firmer Butt Chisels.

Short Chisels, 2½ Inch Blade. Length over all, 8¾ Inches. Suitable for use in putting on Butts and for other close work. Ground Sharp and Set Ready for Use.

No. 153, Tang Firmer Butt Chisels.

Solid Steel Blade, All-Wood Handle, Heavy Brass Ferrule.

Inch	1-8	1-4	3-8	1-2	5-8	3-4
Each	$0 35	40	45	50	55	60
Inch	**7-8**	**1**	**1¼**	**1½**	**1¾**	**2**
Each	$0 65	75	90	95	1 05	1 10

In Sets, Assorted.

12 Chisels, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $7 15
6 " ¾ " 2 " (1 " ¾, 1, 1¼, 1½, 1¾ and 2 Inch) . . " 4 40

No. 163, Beveled Tang Firmer Butt Chisels.

Solid Steel Blade, All-Wood Handle, Heavy Brass Ferrule.

Inch	1-8	1-4	3-8	1-2	5-8	3-4
Each	$0 50	55	60	65	70	75
Inch	**7-8**	**1**	**1¼**	**1½**	**1¾**	**2**
Each	$0 80	90	1 10	1 15	1 25	1 35

In Sets, Assorted.

12 Chisels, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $8 25
6 " ¾ " 2 " (1 " ¾, 1, 1¼, 1½, 1¾ and 2 Inch) . . " 5 00

Sargent V·B·M Tang Firmer Butt Chisels.

Short Chisels, 2½ Inch Blade. Length over all, 8¾ Inches. Suitable for use in putting on Butts and for other close work. Ground Sharp and Set Ready for Use.

No. 163 L, Beveled Tang Firmer Butt Chisels.

Solid Steel Blade, Leather-Head Handle, Heavy Brass Ferrule.

Inch	1-8	1-4	3-8	1-2	5-8	3-4
Each	$0 55	60	65	70	75	80
Inch	**7-8**	**1**	**1¼**	**1½**	**1¾**	**2**
Each	$0 85	95	1 15	1 20	1 30	1 40

In Sets, Assorted.

12 Chisels, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $8 85
6 " ¾ " 2 " (1 " ¾, 1, 1¼, 1½, 1¾ and 2 Inch) . . " 5 25

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

Sargent V·B·M Tang Firmer Chisels.

Where the Butt Chisel is too short the Tang is serviceable as an intermediate length between the Socket Butt and the regular Socket. These are furnished, regularly, not ground sharp or honed. Add 15 cents each for grinding and 10 cents additional for honing.

Formerly New Haven Edge Tool Co. Brand.

No. 51, Without Handles.

Inch	1-8	3-16	1-4	5-16	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 25	28	30	32	35	40	45	50	55	60	65	70	75	80

No. 53, All-Wood Handles.

Inch	1-8	3-16	1-4	5-16	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 30	33	35	37	40	45	50	55	60	65	70	75	80	85

No. 53 L, Leather-Head Handles.

Inch	1-8	3-16	1-4	5-16	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 35	38	40	42	45	50	55	60	65	70	75	80	85	90

In Sets, Assorted.

No. **51,** **12** Chisels, ⅛ to 2 Inch (1 each, ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾ and 2 Inch) . . . . . per set, $5 50

No. **53,** **12** Chisels, ⅛ to 2 Inch (1 each, ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾ and 2 Inch) . . . . . per set, 6 60

No. **53 L,** **12** Chisels, ⅛ to 2 Inch (1 each, ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾ and 2 Inch) . . . . . per set, 7 00

Sargent V·B·M Beveled Tang Firmer Chisels.

No. 61, Without Handles.

Inch	1-8	3-16	1-4	5-16	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 30	33	35	37	40	45	50	55	60	65	70	75	80	85

No. 63, All-Wood Handles.

Inch	1-8	3-16	1-4	5-16	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 35	38	40	42	45	50	55	60	65	70	75	80	85	90

No. 63 L, Leather-Head Handles.

Inch	1-8	3-16	1-4	5-16	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 40	43	45	47	50	55	60	65	70	75	80	85	90	95

In Sets, Assorted.

No. **61,** **12** Chisels, ⅛ to 2 Inch (1 each, ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾ and 2 Inch) . . . . . per set, $6 60

No. **63,** **12** Chisels, ⅛ to 2 Inch (1 each, ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾ and 2 Inch) . . . . . per set, 7 00

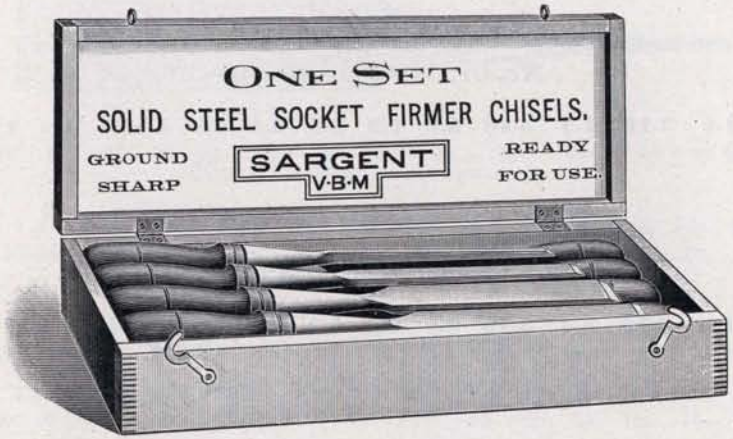
No. **63 L,** **12** Chisels, ⅛ to 2 Inch (1 each, ⅛, ¼ ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾ and 2 Inch) . . . . . per set, 7 40

Sargent V·B·M Socket Chisels in Boxes.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

Formerly New Haven Edge Tool Co. Brand.



Socket Firmer Chisels—In Sets Only.

Ground Sharp and Set Ready for Use.

Made of Solid Cast Steel of superior quality, with 6 Inch Blades. Each Chisel is a selected tool fitted ready to be put in use, and is warranted perfect. Put up in a fine hinged-cover wood box, as per cut, 12 Chisels in a Set, one each ⅛ to 2 Inch.

With All-Wood Handles.

No. **11,** 12 Chisels, ⅛ to 2 Inch . . . . . per set, $8 00

With Leather-Head Handles.

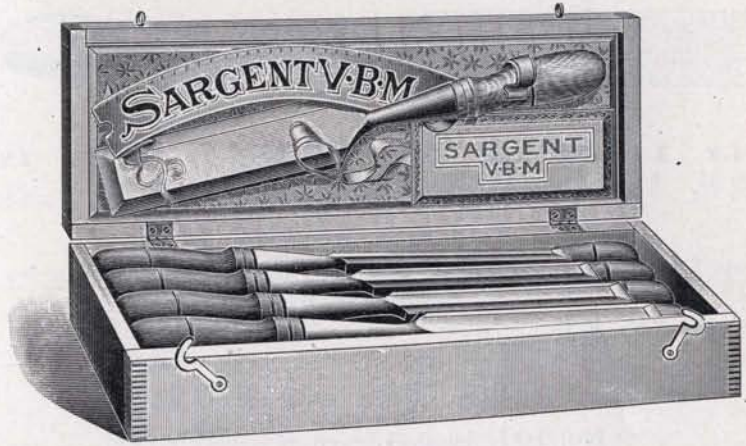
No. **11 L,** 12 Chisels, ⅛ to 2 Inch . . . . . per set, $8 50

Sargent V·B·M Socket Chisels in Boxes.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

Formerly New Haven Edge Tool Co. Brand.



Beveled Edge Socket Firmer Chisels—In Sets Only.

Ground Sharp and Set Ready for Use.

Made of Solid Cast Steel of superior quality, with 6 Inch Beveled Edge Blades. Each Chisel is a selected tool fitted ready to be put in use, and is warranted perfect. Put up in a fine hinged-cover wood box, as per cut; 12 Chisels in a Set, one each ⅛ to 2 Inch.

With All-Wood Handles.

No. **22,** 12 Chisels, ⅛ to 2 Inch . . . . . per set, $9 70

With Leather-Head Handles.

No. **22 L,** 12 Chisels, ⅛ to 2 Inch . . . . . per set, $10 30

Sargent V·B·M Socket Chisels.

Formerly New Haven Edge Tool Co. Brand.

Chisels Nos. 10, 10 L, 21, 21 L, are designed for ordinary use, the greater leverage as compared with the Tang, owing to the increased length, makes it a more serviceable tool, as does the Socket construction.

No. 10, Socket Firmer Chisels.

All-Wood Handle. Ground Sharp, 6 Inch Solid Steel Blade.

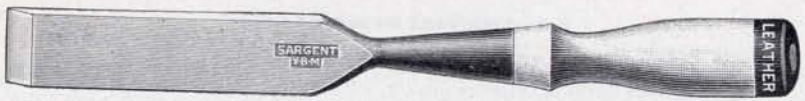
Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 45	50	55	60	65	70	75	80	85	90	95	1 00

In Sets, Assorted.

12	Chisels, ⅛ to 2 Inch (1 each of above sizes)	per set,	$6	90
8	" ¼ " 2 " (1 " ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 Inch) .	"	4	80
9	" ⅛ " 1½ " (1 " ⅛, ¼, ⅜, ½, ⅝, ¾, 1, 1¼ and 1½ Inch)	"	5	00

No. 10 L, Socket Firmer Chisels.

Leather-Head Handle. Ground Sharp, 6 Inch Solid Steel Blade.



Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 50	55	60	65	70	75	80	85	90	95	1 00	1 05

In Sets, Assorted.

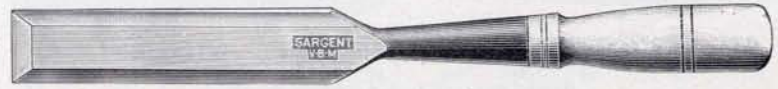
12	Chisels, ⅛ to 2 Inch (1 each of above sizes)	per set,	$7	40
8	" ¼ " 2 " (1 " ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 Inch) .	"	5	30
9	" ⅛ " 1½ " (1 " ⅛, ¼, ⅜, ½, ⅝, ¾, 1, 1¼ and 1½ Inch)	"	5	50

Sargent V·B·M Socket Chisels.

Formerly New Haven Edge Tool Co. Brand.

No. 21, Beveled Socket Firmer Chisels.

All-Wood Handle. Ground Sharp, 6 Inch Solid Steel Blade.



Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 60	65	70	75	80	85	90	95	1 05	1 10	1 15	1 25

In Sets, Assorted.

12	Chisels, ⅛ to 2 Inch (1 each of above sizes)	per set,	$9	35
8	" ¼ " 2 " (1 " ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 Inch) .	"	6	80
9	" ⅛ " 1½ " (1 " ⅛, ¼, ⅜, ½, ⅝, ¾, 1, 1¼ and 1½ Inch)	"	7	25

No. 21 L, Beveled Socket Firmer Chisels.

Leather-Head Handle. Ground Sharp, 6 Inch Solid Steel Blade.

Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 65	70	75	80	85	90	95	1 00	1 10	1 15	1 20	1 30

In Sets, Assorted.

12	Chisels, ⅛ to 2 Inch (1 each of above sizes)	per set,	$9	80
8	" ¼ " 2 " (1 " ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 Inch)	"	7	30
9	" ⅛ " 1½ " (1 " ⅛, ¼, ⅜, ½, ⅝, ¾, 1, 1¼ and 1½ Inch)	"	7	75

Sargent V·B·M Socket Chisels.

Formerly New Haven Edge Tool Co. Brand.

Socket Firmer Paring Chisels are heavier and more durable than the regular Socket, and should be used where considerable surface is to be removed, and where the surface is very tough.

No. 15, Socket Firmer Paring Chisels.

Ground Sharp, 8 Inch Solid Steel Blade.

Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 70	75	80	85	90	95	1 00	1 05	1 10	1 15	1 20	1 25

In Sets, Assorted.

12 Chisels, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $10 40
8 " ¼ " 2 " (1 " ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 Inch) . " 6 95

Socket Firmer Millwright Chisels are still more powerful than No. 15, and are for work of a heavier kind. They may be used for framing.

No. 40, Socket Firmer Millwright Chisels.

Ground Sharp, 8 Inch Solid Steel Blade.

Inch	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 80	85	90	95	1 00	1 10	1 15	1 25	1 30	1 40	1 50

Sargent V·B·M Socket Chisels, etc.

Socket Framing Chisels are adapted to stand unusual strains, as in framing, where deep cuts are necessary. The iron ring on the end of the handle protects the handle from splitting and permits the use of a heavy hammer in driving the tool into the wood. They may be used as deck chisels in ship construction work.

No. 1, Socket Framing Chisels.

Ground Sharp, 8½ Inch Cast Steel Blade.

Inch	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 55	60	65	70	75	80	85	95	1 05	1 10	1 15

In Sets, Assorted.

11 Chisels, ¼ to 2 Inch (1 each of above sizes) . . . . . per set, $7 80
9 " ¼ " 2 " (1 " ¼, ⅜, ½, ⅝, ¾, 1, 1¼, 1½ and 2 Inch) " 6 20
6 " ¼ " 2 " (1 " ¼, ½, ¾, 1, 1½ and 2 Inch) . . . " 4 25

Corner Chisels may be used to advantage in clearing out corners and angles, in squaring holes and in general for a V cut as in pulley stiles or in hand rail mouldings.

No. 1, Corner Chisels.

Ground Sharp, Cast Steel.

Inch	3-4	7-8	1	1⅛	1¼
Each	$1 45	1 55	1 65	1 75	1 85

Carpenter Slicks are adapted for use on large surfaces where there is a great deal of material to be taken off, or where unusual power is required. They may be used to advantage in ship work in cutting down to a curve or bevel. They may be used either with a mallet or simply with the hands.

No. 1, Carpenters' Slicks.

Ground Sharp, Cast Steel.

Inch	2½	3	3½	4
Each	$1 90	2 15	2 50	2 90

Essex Mfg. Co.'s Socket Chisels.

Essex Chisels are serviceable tools comparable to most chisels on the market. For information concerning various patterns see description of chisels, and also note comparative numbers of V·B·M Chisels.

No. 10, Socket Firmer Chisels.

All-Wood Handle, 6 Inch Solid Steel Blade.

Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 35	40	50	50	55	60	65	70	75	80	85	90

In Sets, Assorted.

12 Chisels, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $5 45
8 " ¼ " 2 " (1 " ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 Inch) . " 3 60
9 " ⅛ " 1½ " (1 " ⅛, ¼, ⅜, ½, ⅝, ¾, 1, 1¼ and 1½ Inch) " 3 75

No. 10L, Socket Firmer Chisels.

Leather-Head Handle, 6 Inch Solid Steel Blade.

Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 40	45	50	55	60	65	70	75	80	85	90	95

In Sets, Assorted.

12 Chisels, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $6 00
8 " ¼ " 2 " (1 " ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 Inch) . " 4 00
9 " ⅛ " 1½ " (1 " ⅛, ¼, ⅜, ½, ⅝, ¾, 1, 1¼ and 1½ Inch) " 4 15

Essex Mfg. Co.'s Socket Chisels.

No. 21, Beveled Socket Firmer Chisels.

All-Wood Handle, 6 Inch Solid Steel Blade.

Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 50	55	60	65	70	75	80	85	90	95	1 00	1 05

In Sets, Assorted.

12 Chisels, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $7 00
8 " ¼ " 2 " (1 " ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 Inch) . " 4 50
9 " ⅛ " 1½ " (1 " ⅛, ¼, ⅜, ½, ⅝, ¾, 1, 1¼ and 1½ Inch) " 4 75

No. 21 L, Beveled Socket Firmer Chisels.

Leather-Head Handle, 6 Inch Solid Steel Blade.

Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 55	60	65	70	75	80	85	90	95	1 00	1 05	1 10

In Sets, Assorted.

12 Chisels, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $7 50
8 " ¼ " 2 " (1 " ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 Inch) . " 4 80
9 " ⅛ " 1½ " (1 " ⅛, ¼, ⅜, ½, ⅝, ¾, 1, 1¼ and 1½ Inch) " 5 00

No. 1, Socket Framing Chisels.

8 Inch Cast Steel Blade.

Inch	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 50	55	60	65	70	75	80	85	90	95	1 00

Sargent V·B·M Gouges.

Formerly New Haven Edge Tool Co. Brand.

Sargent V·B·M Gouges receive the same care in manufacture as chisels. They are made of the same grade special analysis steel. In gouges as in chisels the Tang construction is preferred to the Socket in some cases, but as a rule the Socket is preferable. Reasons for this may be found in the description of chisels given on another page. Paring Gouges and Millwright Gouges are adapted for similar purposes to the Paring and Millwright Chisels, which description see. Outside bevel gouges leave the round, and inside bevel leave the hollow surface of the wood smooth.

No. 55, Tang, Outside Bevel.

Without Handles.

Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 25	30	35	40	45	50	55	60	65	75	90	1 10

In Sets, Assorted.

12 Gouges, ⅛ to 2 Inch (1 each ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾ and 2 Inch) . . . . . per set, $6 60

No. 57. Tang, Outside Bevel.

With Handles.

Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 35	40	45	50	55	60	70	75	80	90	1 05	1 25

In Sets, Assorted.

12 Gouges, ⅛ to 2 Inch (1 each, ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾ and 2 Inch) . . . . . per set, $7 50

Sargent V·B·M Gouges.

No. 25, Socket, Outside Bevel.

With Handle. Ground Sharp, 6 Inch Solid Steel Blade.

Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 70	75	80	85	90	95	1 00	1 05	1 10	1 15	1 25	1 45

In Sets, Assorted.

12 Gouges, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $10 50
8 " ¼ " 2 " (1 " ¼, ½, ¾, 1, 1¼, 1½, 1¾ and 2 Inch) " 8 00

No. 26, Socket, Inside Bevel.

Furnished to order. Add 10 per cent. to the above prices.

No. 30, Socket, Inside Bevel.

Socket Firmer Paring Gouges.

With Handle. Ground Sharp, 8 Inch Solid Steel Blade.

Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$0 95	1 00	1 05	1 10	1 20	1 25	1 35	1 40	1 50	1 70	1 80	1 95

In Sets, Assorted.

12 Gouges, ⅛ to 2 Inch (1 each of above sizes) . . . . . per set, $15 40
8 " ¼ " 2 " (1 " ¼, ½, ¾, 1, 1¼, 1½, 1¾ and 2 Inch) . " 11 35

Outside Bevel furnished to order at the same price.

No. 35, Socket, Inside Bevel.

Socket Firmer Millwright Gouges.

With Handle. Ground Sharp, 8 Inch Solid Steel Blade.

Inch	1-8	1-4	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$1 50	1 55	1 60	1 65	1 70	1 75	1 85	1 95	2 20	2 40	2 65	2 85

In Sets, Assorted.

12 Gouges, ⅛ to 2 Inch, (1 each of above sizes) . . . . . per set, $23 40
8 " ¼ " 2 " (1 " ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2 Inch) . " 15 80

Outside Bevel furnished to order at the same price.

Sargent V·B·M Drawing Knives.

Formerly New Haven Edge Tool Co. Brand.

The Drawing Knife is used for taking down surfaces where a chisel would take too long. The Drawing Knife may be used especially for a curved surface owing to the fact that it is so readily controlled. Sargent V·B·M Drawing Knives are made of Norway iron with highly finished welded steel face. The blades are oil tempered steel highly polished.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

No. 1.

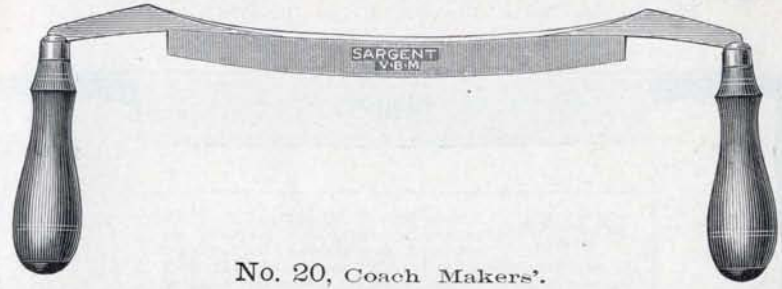
Inch	6	7	8	9	10	11	12	14
Each	$0 90	95	1 00	1 05	1 10	1 20	1 25	1 40

No. 10, Razor Blade.

Inch	6	7	8	9	10	11	12	14
Each	$0 90	95	1 00	1 05	1 10	1 20	1 25	1 40

Sargent V·B·M Drawing Knives.

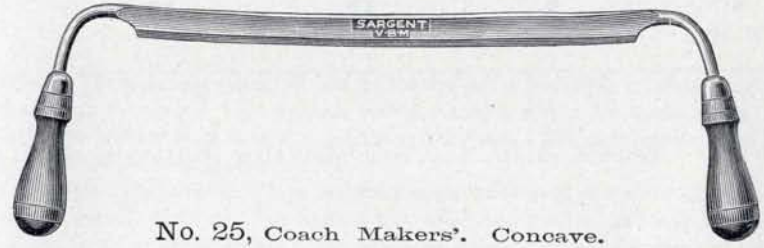
Formerly New Haven Edge Tool Co. Brand.



No. 20, Coach Makers'.

Solid Cast Steel.

Inch	6	7	8	9	10	11	12
Each	$0 90	1 00	1 10	1 20	1 30	1 35	1 45



No. 25, Coach Makers'. Concave.

Solid Cast Steel.

Inch	6	7	8	9	10	11	12
Each	$0 90	1 00	1 10	1 20	1 30	1 35	1 45

No. 5, Shingle Shaves.

Inch	10	12	14	16
Each	$1 45	1 65	1 80	2 00

Sargent V·B·M Drawing Knives.

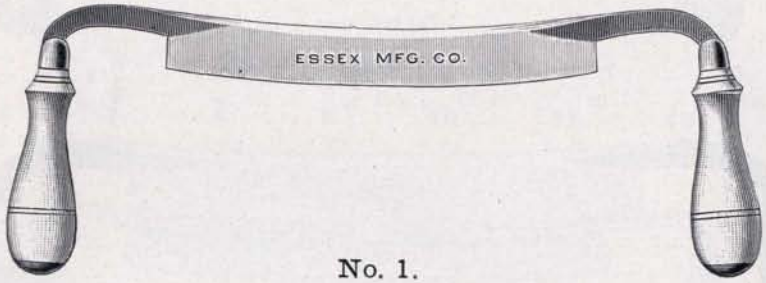
Formerly New Haven Edge Tool Co. Brand.

No. 30, Extra Heavy.

Southern Pattern.

Inch	8	9	10	12	14
Each	$1 30	1 50	1 65	2 00	2 30

Essex Mfg. Co.'s Drawing Knives.



No. 1.

Inch	6	7	8	9	10	11	12	14
Each	$0 80	85	90	95	1 00	1 10	1 15	1 25

No. 10, Razor Blade.

Inch	6	7	8	9	10	11	12	14
Each	$0 80	85	90	95	1 00	1 10	1 15	1 25

Sargent Augers and Bits.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

Owing to the enormous variety of bits on the market, it is difficult to select the one bet- adapted for a given purpose. For accurate boring, for rapid boring, for rough boring, the bit adapted for the purpose must be used to get the proper result. The descriptions in the follows ing pages tell how each bit should be used.

It is not generally understood how important a part the thread of a screw plays in boring. The terms "coarse" and "fine" as applied to a screw are relative, and may be applied to either single thread or double thread. The bit having a given number of double threads to the inch, provided the lips are pitched to correspond with those threads, will bore just as fast as a bit with half that number of single threads to the inch, provided the lips are of the same pitch. If the lips have less pitch than the threads, they will act as a stop gauge, not permitting the bit to bore as fast as it would without such obstruction.

It should be clearly understood that the double thread bit is intended for soft wood, the single thread for hard wood, as the latter will not clog up as readily as the former, while if the double thread were left course enough not to clog, it would make the bit bore too hard.

Sargent V·B·M Bits are made of a special analysis steel adapted for the purpose. In other words, of the best material obtainable. Compare them with other bits in the following points:

1—General finish.
2—Length and shape of spurs.
3—Cut of the threads.
4—Durability and temper.

These bits are hand filed. The lips are extensions of the lowest threads.

Bits stamped "Sargent" are fully warranted and second only to the Sargent V·B·M in quality and finish. They will stand comparison with any bits on the market.

Ladd Bits are durable tools without the high finish of Sargent Bits, but capable of doing the work required.

Essex Bits are good bits for the price.

Sargent V·B·M Solid Centre Auger Bits.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

The solid centre pattern bits have the famous Archimedean screw and are especially durable. They are adapted for electricians and linemen and for deep, fast, and heavy boring. They bore a smooth, clean hole and may be used for either hard or soft work. As the name implies, the centre of the bit runs right through from one end to the other and makes for great solidity. The bit is made with a single twist.

No. 98 has a black oil finish in the twist, which serves to prevent rust and makes a striking finish in contrast with the polished surfaces of the bit. This bit has two extension lips, two spurs, and a coarse double thread screw point. The sizes from 12 inclusive and larger have single thread screw points.

No. 98, Auger Bits.

Extension Lip, Crucible Steel, Oil Finished, Polished Edges.

Can be furnished to order in millimetre sizes.

Size	3	4	5	6	7	8	9	10	11	12
Each	$0 40	45	50	55	60	65	70	75	80	85

Size	13	14	15	16	17	18	20	22	24-16
Each	$0 90	95	1 00	1 05	1 10	1 15	1 25	1 35	1 45

In Sets, Assorted.

14	Quarters, 6 Bits (1 each, 4, 6, 8, 10, 12 and 16-16ths)			per set,	$2 85
18¾	" 8 " (1 " 4, 5, 6, 8, 10, 12, 14 and 16-16ths)			"	3 80
20½	" 9 " (1 " 4, 5, 6, 7, 8, 10, 12, 14 and 16-16ths)			"	4 20
32½	" 13 " (1 " 4 to 16-16ths, inclusive)			"	6 65

Sargent Solid Centre Auger Bits.

No. 90 is a full polished bit. In other respects it is similar to No. 98, which description see.

No. 90, Auger Bits.

Extension Lip, Solid Cast Steel, Full Polished.

Can be furnished to order in millimetre sizes.

Size	3	4	5	6	7	8	9	10	11	12
Each	$0 35	40	45	50	55	60	65	70	75	80

Size	13	14	15	16	17	18	20	22	24-16
Each	$0 85	90	95	1 00	1 05	1 10	1 20	1 30	1 40

In Sets, Assorted.

14	Quarters, 6 Bits (1 each, 4, 6, 8, 10, 12 and 16-16ths)			per set,	$2 60
18¾	" 8 " (1 " 4, 5, 6, 8, 10, 12, 14 and 16-16ths)			"	3 45
20½	" 9 " (1 " 4, 5, 6, 7, 8, 10, 12, 14 and 16-16ths)			"	3 80
32½	" 13 " (1 " 4 to 16-16ths, inclusive)			"	6 00

Sargent V·B·M Solid Steel Auger Bits.

Jennings Pattern Bits.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

These bits are ***not*** adapted for rapid boring or for use in hard wood where the fine screws tend to clog. They are extension lip pattern bits with double twist and double spurs, and fine double thread screws, and are intended for pattern makers and for use in soft wood generally. They will bore smooth, straight holes.

No. 88 is a full polished bit made from the best steel procurable and is hand filed and in every respect a bit comparable to the best. It is fully warranted.

No. 88, Auger Bits.

Jennings Pattern, Extension Lip.

Can be furnished to order in millimetre sizes.

Size	3	4	5	6	7	8	9	10	11
Each	$0 45	50	55	60	65	70	75	80	85

Size	12	13	14	15	16	17	18	19	20-16
Each	$0 90	95	1 00	1 05	1 10	1 15	1 20	1 25	1 30

In Sets, Assorted.

24 Quarters, 12 Bits (1 each, 4, 5, 7, 9, 11, 12; and 2 of 6, 8 and 10-16ths). per set, $6 00
32½ " 13 " (1 " size, from 4 to 16-16ths, inclusive) . . " 8 00

Sargent Solid Steel Auger Bits.

No. 80, Auger Bits.

Jennings Pattern, Extension Lip.

No. 80 is a warranted bit full polished

Size	3	4	5	6	7	8	9	10	11
Each	$0 30	35	40	45	50	55	60	65	70

Size	12	13	14	15	16	17	18	19	20-16
Each	$0 75	80	85	90	95	1 00	1 05	1 10	1 15

In Sets, Assorted.

24 Quarters, 12 Bits (1 each, 4, 5, 7, 9, 11, 12; and 2 of 6, 8 and 10-16ths) . per set, $3 80
32½ " 13 " (1 " size, from 4 to 16-16ths, inclusive) . . " 5 10

Ladd Steel Auger Bits.

No. 28, Auger Bits.

Jennings Pattern, Extension Lip.

Size	3	4	5	6	7	8	9	10	11
Each	$0 25	28	30	32	35	38	40	42	45

Size	12	13	14	15	16	17	18	19	20-16
Each	$0 48	50	52	55	58	60	65	70	75

In Sets, Assorted.

24 Quarters, 12 Bits (1 each 4, 5, 7, 9, 11, 12; and 2 of 6, 8 and 10-16ths) . per set, $3 60
32½ " 13 " (1 " size, from 4 to 16-16ths, inclusive) . . " 4 80

Essex Cast Steel Auger Bits.

No. 26, Auger Bits.

Jennings Pattern, Extension Lip, Black Lip.

Size	3	4	5	6	7	8	9	10
Each	$0 20	22	25	28	30	32	35	38

Size	11	12	13	14	15	16	18	20-16
Each	$0 40	42	45	48	50	52	58	65

In Sets, Assorted.

21 Quarters, 11 Bits (1 each, 5, 6, 7, 9, 10, 11, 12; and 2 of 4 and 8-16ths) per set, $2 70
24 " 12 " (1 " 4, 5, 7, 9, 11, 12; and 2 of 6, 8 and 10-16ths) " 3 00
32½ " 13 " (1 " size, from 4 to 16-16ths, inclusive) . . . " 4 00

No. 27, Blued Twist.

Identical with No. 26 in design, price, etc., but with blued twist.

Sargent V·B·M Solid Steel Auger Bits.

Extension Lip, Lower or Side Lip, Extension Bits.

These bits are designed primarily for long wear. After the spurs are worn half away, the bits are capable of doing good work. When the spurs have been ***completely*** worn away, the bits may still be used for rough work. They may be used in either hard or soft wood and bore a smooth hole, but in hard wood they bore hard on account of the resistance of the heavy spurs, lower or side lips, and extension spurs.

No. 55, Auger Bits, Double Spur.

Can be furnished to order in millimetre sizes.

Size	3	4	5	6	7	8	9	10	11	12
Each	$0 35	40	45	50	55	60	65	70	75	80

Size	13	14	15	16	17	18	20	22	24-16
Each	$0 85	90	95	1 00	1 05	1 10	1 20	1 35	1 45

In Sets, Assorted.

21 Quarters, 11 Bits (1 each, 5, 6, 7, 9, 10, 11, 12; and 2 of 4 and 8-16ths) . per set, $3 80
24 " 12 " (1 " 4, 5, 7, 9, 11, 12; and 2 of 6, 8 and 10-16ths) " 4 20
32½ " 13 " (1 " size, from 4 to 16-16ths, inclusive) . . . " 5 60

Solid Steel Auger Bits.

No. 50, Auger Bits, Double Spur.

Size	3	4	5	6	7	8	9	10	11	12
Each	$0 30	35	40	45	50	55	60	65	70	75

Size	13	14	15	16	17	18	19	20	22	24-16
Each	$0 80	85	90	95	1 00	1 05	1 10	1 15	1 25	1 35

In Sets, Assorted.

21	Quarters, 11 Bits (1 each, 5, 6, 7, 9, 10, 11, 12; and 2 of 4 and 8-16ths) .	per set,	$3	50
24	" 12 " (1 " 4, 5, 7, 9, 11, 12; and 2 of 6, 8 and 10-16ths)	"	3	80
32½	" 13 " (1 " size, from 4 to 16-16ths, inclusive) . . .	"	5	60

Ladd Steel Auger Bits.

No. 25, Auger Bits, Double Spur.

Size	3	4	5	6	7	8	9	10	11
Each	$0 20	22	25	28	30	32	35	38	40

Size	12	13	14	15	16	18	20	22	24-16
Each	$0 42	45	48	50	52	55	60	70	80

In Sets, Assorted.

21	Quarters, 11 Bits (1 each, 5, 6, 7, 9, 10, 11, 12; and 2 of 4 and 8-16ths) .	per set,	$2	60
24	" 12 " (1 " 4, 5, 7, 9, 11, 12; and 2 of 6, 8 and 10-16ths)	"	2	85
32½	" 13 " (1 " size, from 4 to 16-16ths, inclusive) . . .	"	3	80

Essex Cast Steel Auger Bits.

No. 23, Auger Bits, Double Spur.

Can be furnished to order in millimetre sizes.

Size	3	4	5	6	7	8	9	10
Each	$0 15	18	20	22	25	28	30	32

Size	11	12	13	14	15	16	18	20-16
Each	$0 35	38	40	42	45	48	50	55

In Sets, Assorted.

21	Quarters, 11 Bits (1 each, 5, 6, 7, 9, 10, 11, 12; and 2 of 4 and 8-16ths) .	per set,	$1	90
24	" 12 " (1 " 4, 5, 7, 9, 11, 12; and 2 of 6, 8 and 10-16ths)	"	2	10
32½	" 13 " (1 " size, from 4 to 16-16ths, inclusive) . . .	"	2	80

No. 23 S, Auger Bits, Without Spur.

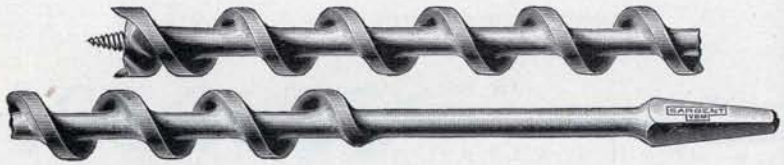
Same sizes and list prices as No. 23.

Sargent V·B·M Car Bits.

No. 97 is a full polished bit, and owing to the construction, which corresponds to No. 98, is a particularly desirable bit for linemen, as it will bore with rapidity a smooth, clean hole through either hard or soft wood.

No. 97, Sargent V·B·M Car Bits.

Extension Lip, Crucible Steel, 12 Inch Twist.



Size	4	5	6	7	8	9	10	11	12	13	14	15	16-16
Each	$0 75	80	85	90	1 00	1 10	1 20	1 30	1 40	1 50	1 60	1 70	1 85

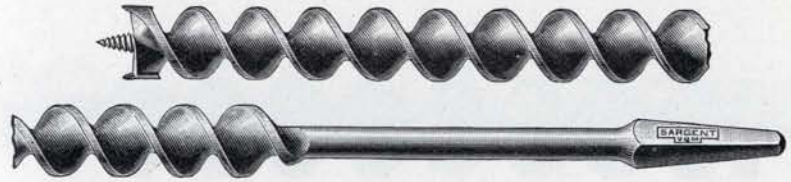
In Sets, Assorted.

32½ Quarters, 13 Bits (1 each, 4 to 16-16ths, inclusive) . . . . per set, $15 00

Sargent V·B·M Car Bits.

These bits are adapted primarily for boring deep holes or where a long reach is necessary. They are made generally with an extension lip, lower or side lip pattern, the exception being the No. 97 solid centre type already described. These bits have all the qualities of the bits described on pages 84 and 87 which are of the same pattern. Owing to their length they will bore straighter holes than the ordinary type of bit.

No. 59, Sargent V·B·M Car Bits. 12 Inch Twist.



Size	4	5	6	7	8	9	10	11
Each	$0 85	90	95	1 00	1 10	1 20	1 30	1 45

Size	12	13	14	15	16	17	18-16
Each	$1 55	1 70	1 85	2 00	2 10	2 30	2 50

In Sets, Assorted.

32½ Quarters, 13 Bits (1 each size, from 4 to 16-16ths, inclusive) . . per set, $17 70

No. 54, Sargent Car Bits. 12 Inch Twist.

Size	4	5	6	7	8	9	10	11
Each	$0 70	75	80	85	90	95	1 05	1 15

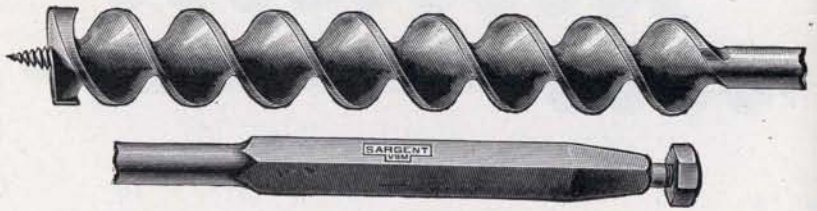
Size	12	13	14	15	16	17	18-16
Each	$ 1 25	1 35	1 45	1 55	1 65	1 80	1 95

In Sets, Assorted.

32½ Quarters, 13 Bits (1 each size, from 4 to 16-16ths, inclusive) . . per set, $14 00

Nut Augers.

These are designed for boring where greater dimensions or depths are required than can be secured with ordinary bits. They are used with wooden handles, giving the operator both hands for controlling the tool. In Mill or Bridge work in boring heavy timbers they are especially valuable. They are constructed with side lips, but without spurs, which make them bore easily, and give them lasting qualities. The screws are coarse enough to make them fast boring tools.



No. 33, Sargent V·B·M Nut Augers.

Inch	1-2	5-8	3-4	7-8	1	1⅛	1¼	1½	1¾	2
Each	$0 55	65	75	80	90	1 00	1 15	1 50	1 75	2 00

No. 20, Ladd Nut Augers.

Inch	1-2	5-8	3-4	7-8	1	1⅛	1¼	1½	1¾	2	2¼	2½	2¾	3
Each	$0 40	45	50	60	70	80	90	1 10	1 40	1 65	1 90	2 25	3 15	4 10

No. 21, Essex Nut Augers.

Inch	1-2	5-8	3-4	7-8	1	1⅛	1¼	1½	1¾	2	2¼	2½	2¾	3
Each	$0 30	35	40	45	50	60	70	80	1 00	1 15	1 50	1 75	2 50	3 40

Boring Machine Augers.

These are used in hand or power machines and are adapted for purposes where an ordinary bit and brace would require too much power. They are made on the same pattern of head as the Nut Augers and are built for long wear and speed.

No. 44, Sargent V·B·M Boring Machine Augers.

Inch	1-2	5-8	3-4	7-8	1	1⅛	1¼	1½	1¾	2
Each	$0 70	75	80	90	1 00	1 15	1 30	1 60	1 90	2 15

In Sets, Assorted.

18	Quarters, 3 Augers (1 each, 1, 1½ and 2 Inch)	. . . . .	per set, $4 80
23	" 4 " (1 " 1, 1¼, 1½ and 2 inch)	. . . . .	" 6 00
41	" 9 " (1 " ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾ and 2 Inch)	.	" 10 80

No. 24, Ladd Boring Machine Augers.

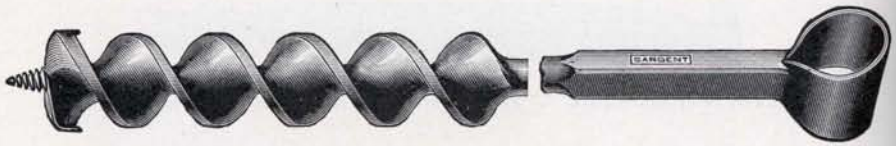
Inch	1-2	5-8	3-4	7-8	1	1⅛	1¼	1½	1¾	2
Each	$0 40	45	50	55	60	70	75	95	1 10	1 30

In Sets, Assorted.

18 Quarters, 3 Augers, (1 each, 1, 1½ and 2 Inch) . . . . . per set, $2 85

Sargent Ring Augers.

These are built for strength and for use in heavy work. They are used principally in the export market on hard woods. They are adapted for heavy timbers, and for large, deep boring. In using, a handle, preferably of hard wood, is inserted in the ring for turning the auger. In this way a tremendous leverage is obtained. These augers, so far as the worm and twist is concerned, are similar in design to the nut augers and to the boring machine augers already described.



No. 32, Sargent Short Ring Augers.

Inch	3-8	1-2	5-8	3-4	7-8	1	1⅛	1¼	1⅜	1½	1⅝	1¾	1⅞	2
Each	$0 45	50	55	60	65	70	75	85	90	1 05	1 10	1 25	1 30	1 35

No. 37, Sargent Long Ring or Cuban Augers.

Inch	3-8	1-2	5-8	3-4	7-8	1	1⅛	1¼	1½	1¾	2	2¼	2½	3	3½	4
Each	$0 50	55	65	70	75	80	85	95	1 20	1 35	1 55	2 00	2 45	4 35	7 10	9 75

Sargent V·B·M
Solid Centre Auger Bits in Sets.

For general use by carpenters or amateurs, bits put up in sets are especially convenient. The canvas roll is the most feasible way to carry the bits, as in this way they occupy a minimum of space and may be readily carried in a carpenter's kit. For bench work the bits in boxes are equally desirable. They are both attractive from the dealers' standpoint for display purposes.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

In Fancy Wooden Boxes, Complete.

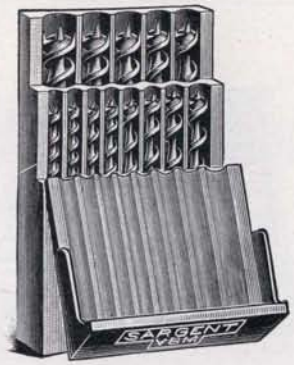
No. 198, Extension Lip.

6	Bits No. 98	(1 each, 4, 6, 8, 10, 12 and 16-16ths)	per set,	$3 25
8	" "	(1 " 4, 5, 6, 8, 10, 12, 14 and 16-16ths)	"	4 20
9	" "	(1 " 4, 5, 6, 7, 8, 10, 12, 14 and 16-16ths)	"	4 60
13	" "	(1 " 4 to 16-16ths, inclusive)	"	7 20

Sargent V·B·M Solid Centre Auger Bits in Sets.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M



In Improved Display Box.

No. 298, Extension Lip.

13 Bits No. 98 (1 each 4 to 16-16ths, inclusive) . . . . . per set, $7 45

Sargent V·B·M Solid Centre Auger Bits in Sets.

All Tools bearing the V. B. M. stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

In Canvas Rolls, Complete.

No. 498, Extension Lip.

13 Bits No. 98 (1 each, 4 to 16-16ths, inclusive) . . . . . per set, $7 70

The Roll is made of dark-colored pliable canvas cloth, nicely lined with Canton flannel, having a receptacle for each Bit. It makes a very convenient way to keep the Bits safe from injury and a handy way for the Mechanic to carry them wherever needed. The case rolled up with the Bits complete measures only 3×11 inches, and it may be thrown into the kit of tools without injury to the Bits or to the other tools with which it may come in contact.

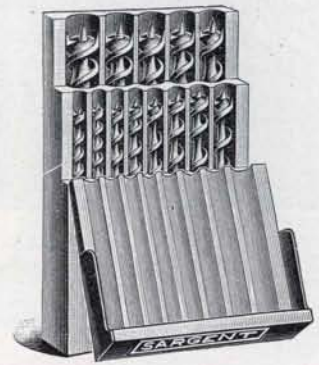
Sargent Solid Centre Auger Bits in Sets.

In Fancy Wooden Boxes, Complete.

No. 190, Extension Lip.

6	Bits No. 90 (1 each, 4, 6, 8, 10, 12 and 16-16ths)	per set,	$3 00
8	" " (1 " 4, 5, 6, 8, 10, 12, 14 and 16-16ths)	"	3 90
9	" " (1 " 4, 5, 6, 7, 8, 10, 12, 14 and 16-16ths)	"	4 25
13	" " (1 " 4 to 16-16ths, inclusive)	"	6 60

Sargent Solid Centre Auger Bits in Sets.

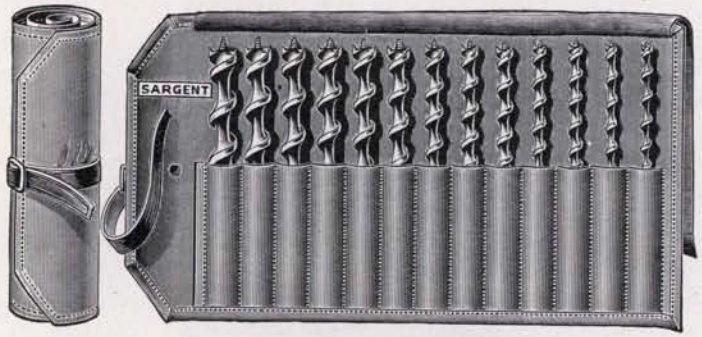


In Improved Display Box.

No. 290, Extension Lip.

13	Bits No. 90 (1 each, 4 to 16-16ths, inclusive)	per set,	$6 85

Sargent Solid Centre Auger Bits in Sets.



In Canvas Rolls, Complete.

No. 490, Improved Lip.

13 Bits No. 90 (1 each, 4 to 16-16ths, inclusive) . . . . . per set, $7 10

The Roll is made of dark-colored pliable canvas cloth, nicely lined with Canton flannel, having a receptacle for each Bit. It makes a very convenient way to keep the Bits safe from injury and a handy way for the Mechanic to carry them wherever needed. The case rolled up with the Bits complete measures only 3×11 inches, and it may be thrown into the kit of tools without injury to the Bits or to the other tools with which it may come in contact.

Sargent V·B·M Auger Bits in Sets.

All Tools bearing the V. B. M. stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

In Fancy Wooden Boxes, Complete.

No. 155, Improved Lip and Spur.

6	Bits No. 55	(1 each, 4, 6, 8, 10, 12 and 16-16ths)	per set,	$2 80
8	" "	(1 " 4, 5, 6, 8, 10, 12, 14 and 16-16ths)	"	3 70
9	" "	(1 " 4, 5, 6, 7, 8, 10, 12, 14 and 16-16ths)	"	4 00
13	" "	(1 " 4 to 16-16ths, inclusive)	"	6 20

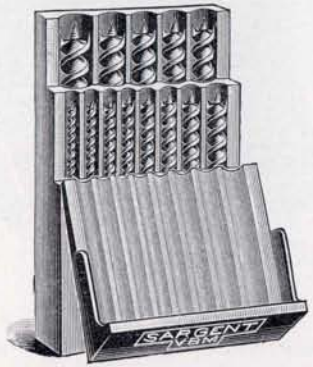
No. 188, Jennings Pattern. Extension Lip.

13 Bits No. 88 (1 each, 4 to 16-16ths inclusive) . . . . . per set, $8 50

Sargent V·B·M Auger Bits in Sets.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M



No. 255, Improved Lip and Spur.

13 Bits No. 55 (1 each, 4 to 16-16ths, inclusive) . . . . . per set, $7 25

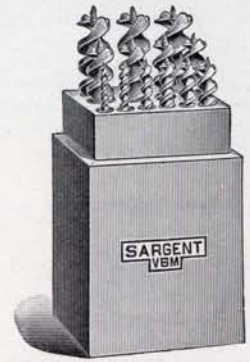
No. 288, Jennings Pattern. Extension Lip.

13 Bits No. 88 (1 each, 4 to 16-16ths, inclusive) . . . . . per set, $8 75

Sargent V·B·M Auger Bits in Sets.

All Tools bearing the V. B. M. stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M



The box of these sets has a suitable cover, which does not show in the above illustration.

In Fancy Wooden Boxes.

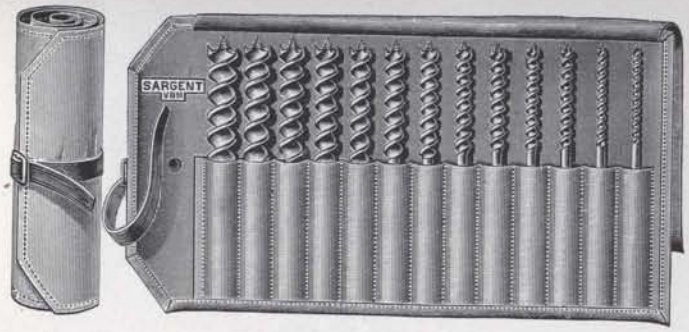
Especially adapted for use on work bench.

No. 355, Improved Lip and Spur.

13 Bits No. 55 (1 each, 4 to 16-16ths, inclusive) . . . . . per set, $6 80

No. 388, Jennings Pattern. Extension Lip.

13 Bits No. 88 (1 each, 4 to 16-16ths, inclusive) . . . . . per set, $8 50



In Canvas Rolls, Complete.

No. 455, Improved Lip and Spur.

13 Bits No. 55 (1 each, 4 to 16-16ths, inclusive) . . . . . per set, $6 60

No. 488, Jennings Pattern. Extension Lip.

13 Bits No. 88 (1 each, 4 to 16-16ths, inclusive) . . . . . per set, $9 00

The Roll is made of dark colored pliable canvas cloth, nicely lined with Canton flannel, having a receptacle for each Bit. It makes a very convenient way to keep the Bits safe from injury and a handy way for the Mechanic to carry them wherever needed. The case rolled up with the Bits complete measures only 3×11 inches, and it may be thrown into the kit of tools without injury to the Bits or to the other tools with which it may come in contact.

Canvas Rolls, Without Bits.

Canvas Rolls, as described above, to hold 13 Auger Bits, without Bits . . each, $1 15

Ladd Auger Bits—In Sets.

In Fancy Wooden Boxes, Complete.

No. 125, Double Spur.

6	Bits No. 25	(1 each, 4, 6, 8, 10, 12 and 16-16ths)	per set,	$2 00
8	" "	(1 " 4, 5, 6, 8, 10, 12, 14 and 16-16ths)	"	2 50
9	" "	(1 " 4, 5, 6, 7, 8, 10, 12, 14 and 16-16ths)	"	2 80
13	" "	(1 " 4 to 16-16ths, inclusive)	"	4 30

No. 128, Jennings Pattern Bits.

6	Bits No. 28	(1 each, 4, 6, 8, 10, 12 and 16-16ths)	per set,	$2 40
8	" "	(1 " 4, 5, 6, 8, 10, 12, 14 and 16-16ths)	"	3 25
9	" "	(1 " 4, 5, 6, 7, 8, 10, 12, 14 and 16-16ths)	"	3 50
13	" "	(1 " 4 to 16-16ths, inclusive)	"	5 30

Essex Auger Bits—In Sets.

In Fancy Wooden Boxes, Complete.

No. 123, Double Spur.

6	Bits No. 23	(1 each, 4, 6, 8, 10, 12 and 16-16ths)	per set,	$1 60
8	" "	(1 " 4, 5, 6, 8, 10, 12, 14 and 16-16ths) . . .	"	2 00
9	" "	(1 " 4, 5, 6, 7, 8, 10, 12, 14 and 16-16ths) . . .	"	2 20
13	" "	(1 " from 4 to 16-16ths, inclusive)	"	3 30

No. 126, Jennings Pattern. Bits No. 26, Black Lip.

6	Bits No. 26	(1 each, 4, 6, 8, 10, 12 and 16-16ths)	per set,	$2 10
8	" "	(1 " 4, 5, 6, 8, 10, 12, 14 and 16-16ths) . . .	"	2 70
9	" "	(1 " 4, 5, 6, 7, 8, 10, 12, 14 and 16-16ths) . . .	"	3 00
13	" "	(1 " from 4 to 16-16ths, inclusive)	"	4 50

No. 127, Jennings Pattern. Bits No. 27, Blued Twist.

Same sizes and prices as No. 126.

How to Sharpen an Auger Bit.

To sharpen the Spur, hold the Bit in the left hand with the Twist resting on the edge of the bench. Turn the Bit around until the Spur you wish to sharpen comes uppermost. File side of Spur, next to Screw, keeping the original bevel. File lightly until a burr is thrown upon the outside of the Spur. Remove this burr by a careful brush of the file; a fine cutting edge will be the result. If the Bit has a side lip, this is next sharpened by filing from the inside, care being taken to preserve the original bevel.

To sharpen the Lip, hold the Bit firmly in the left hand with the Screw Point down on the edge of the bench. Slant the Bit slightly to the left. File from inside of the Lip, back, being careful to preserve the original bevel. File lightly until a slight burr is thrown upon the outside of the Lip. Remove this by a slight brush of the file, and a keen cutting edge will be produced.

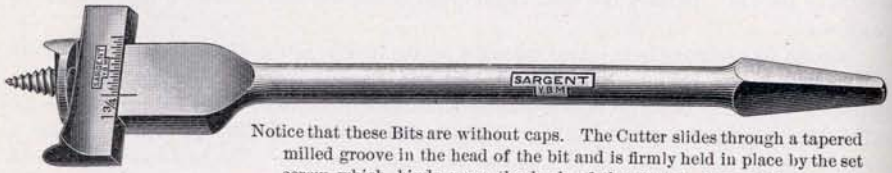
Except for removing burr, never use a file on the outside of the Lip, or Spur. Great care should be taken to sharpen the opposite Lips and Spurs alike. It is hardly advisable to sharpen the point or worm except in case of a diamond point, although a three cornered file skillfully manipulated will assist in restoring a battered point. For Bits $\frac{5}{8}$ inch and larger a six inch file, for smaller than $\frac{5}{8}$ inch smaller files should be used. The half round file should be used for the Lip and may also be used for the Spur if care is taken not to let the edge of the file cut a groove in the Lip.

Sargent V·B·M Expansive Bits.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

Full polished, tempered steel cutters.



Notice that these Bits are without caps. The Cutter slides through a tapered milled groove in the head of the bit and is firmly held in place by the set screw which binds upon the back of the cutter, thus adding to the strength and securing the same diameter the entire depth of the boring. The bit thus combines the taper and wedge, two of the strongest mechanical devices.

BITS Complete

No. **81,** **Large Bits,** Cutting from 7/8 to 3 In. . . . . each, $2 50
No. **82,** **Small Bits,** " " 5/8 to 1 3/4 " . . . . . " 2 10

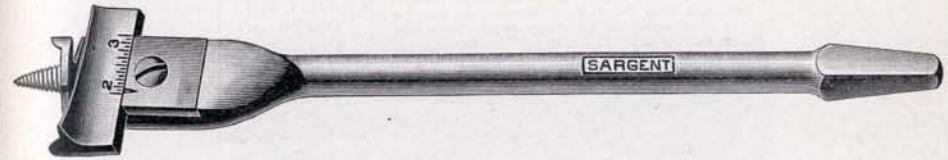
CUTTERS for Small Bits

No. **81,** Cutting from 5/8 to 1 1/8 In. . . . . each, $0 30
No. **82,** " " 1 1/8 to 1 3/4 " . . . . . " 40

CUTTERS for Large Bits

No. **83,** Cutting from 7/8 to 1 5/8 In. . . . . each, $0 50
No. **84,** " " 1 5/8 to 3 " . . . . . " 60
No. **85,** " " 3 to 4 " . . . . . " 85

Sargent Expansive Bits—Warranted.



BITS complete

No. **71,** **Large Bits,** Cutting from 7/8 to 3 In. . . . . each, $1 40
No. **72,** **Small Bits,** " " 1/2 to 1 1/2 " . . . . . " 1 00

CUTTERS for Small Bits.

No. **71,** Cutting from 1/2 to 7/8 In. . . . . each, $0 16
No. **72,** " " 7/8 to 1 1/2 " . . . . . " 20

CUTTERS for Large Bits

No. **73,** Cutting from 7/8 to 1 3/4 In. . . . . each, $0 30
No. **74,** " " 1 3/4 to 3 " . . . . . " 35
No. **75,** " " 3 to 4 " . . . . . " 50
No. **76,** " " 4 to 5 " . . . . . " 65

Sargent V·B·M German Pattern Gimlet Bits.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

Cast Steel.

No. 99. Straw Color.

Sizes in 32ds	2	3	4	5	6	7	8
Each	$0 10	12	15	18	20	22	25

Sizes in 32ds	9	10	11	12	14	16	Assd. 4 to 8
Each	$0 30	35	40	45	50	55	Per dozen, 1 35

No. 101. Black.

Sizes in 32ds	2	3	4	5	6	7	8
Each	$0 10	12	15	18	20	22	25

Sizes in 32ds	9	10	11	12	14	16	Assd. 4 to 8
Each	$0 30	35	40	45	50	55	Per dozen, 1 35

Sets of Sargent V·B·M Gimlet Bits.

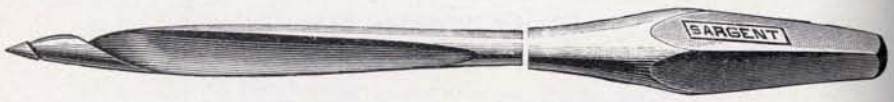
In Fancy Wooden Boxes.

No. 199. Polished Cast Steel.

No. **199,** Sargent V·B·M Gimlet Bits . . . . . per set, $3 00

This set comprises twelve of the celebrated Sargent V·B·M German Pattern Gimlet Bits, 1 to 12-32ds (same goods as the above, Polished), also a superior Cast Steel Countersink and Screw Driver Bit, all put up in a Fancy Wooden Box with a Rack to hold each piece as shown in the cut.

German Pattern Gimlet Bits.



Sargent. Cast Steel.

No. 19. Straw Color.

Sizes in 32ds	2	3	4	5	6	7	8	9	10	11	12	Assorted 4 to 8
Each	$0 08	10	12	14	16	18	20	22	24	26	30	Per dozen, 1 10

Ladd Tool Co.'s. Cast Steel.

No. 103. Straw Color.

Sizes in 32ds	2	3	4	5	6	7	8	9	10	11	12	Assorted 4 to 8
Each	$0 06	7	8	9	10	12	14	16	18	20	22	Per dozen, 0 80

Sargent Pod Bits.

No. 17. Straw Color, Cast Steel.

Sizes in 32ds	4	5	6	7	8	10	Assorted
Each	$0 12	14	16	18	20	22	Per dozen, 1 60

Sargent Double-Cut Gimlet Bits.

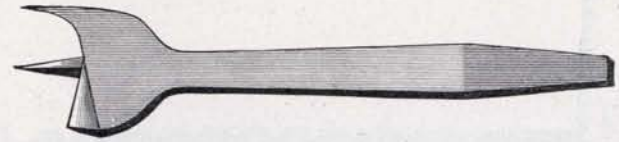
Best Cast Steel, Fully Warranted.

Numbers	1	2	3	4	5	6	Assorted
Each	$0 10	12	14	16	18	20	Per dozen, 1 50

Ladd's Double-Cut Gimlet Bits.

Numbers	1	2	3	4	5	6	Assorted
Each	$0 05	6	7	8	9	10	Per dozen, 0 70

Cast Steel Centre Bits.



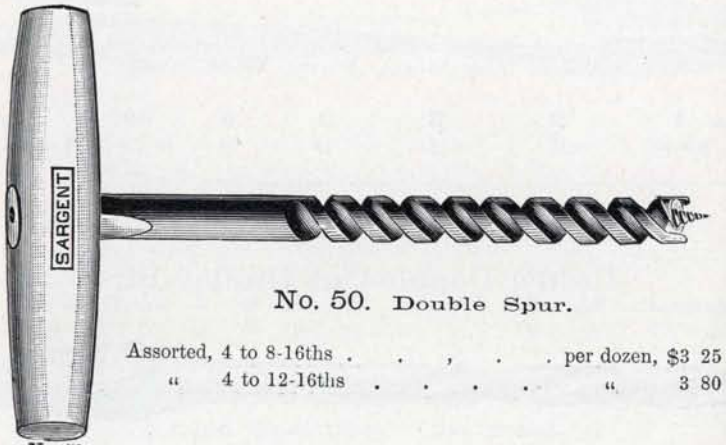
No. 5. Straw Color.

Inch	1-4	3-8	1-2	5-8	3-4	7-8	1	1⅛
Each	$0 10	12	14	16	18	20	22	25

Inch	1¼	1⅜	1½	1⅝	1¾	1⅞	2
Each	$0 30	35	40	45	50	55	60

Assorted ½ to 1½ (1 Bit each ¾ to 1½ inch; 3 of ½ inch and 2 of ⅝ inch) per dozen, $1 70

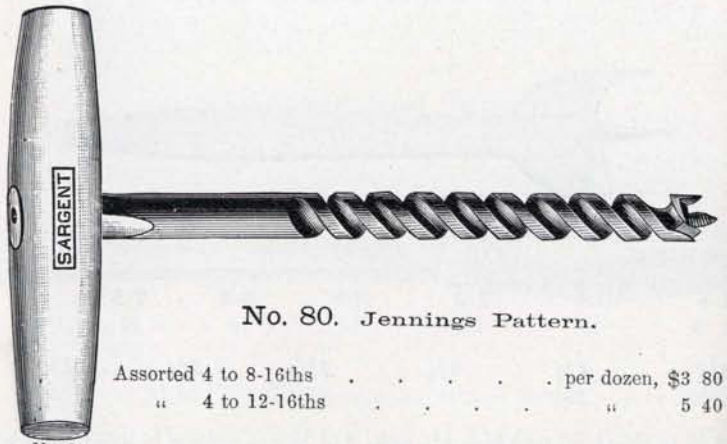
Sargent Solid Cast Steel Handled Auger Bits.



No. 50

No. 50. Double Spur.

Assorted, 4 to 8-16ths	per dozen, $3 25
" 4 to 12-16ths	" 3 80

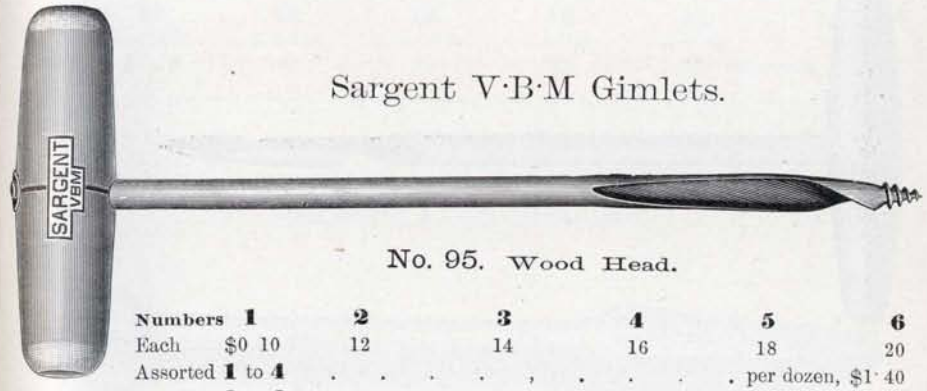


No. 80

No. 80. Jennings Pattern.

Assorted 4 to 8-16ths	per dozen, $3 80
" 4 to 12-16ths	" 5 40

All Tools bearing the V·B·M stamp SARGENT V·B·M are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

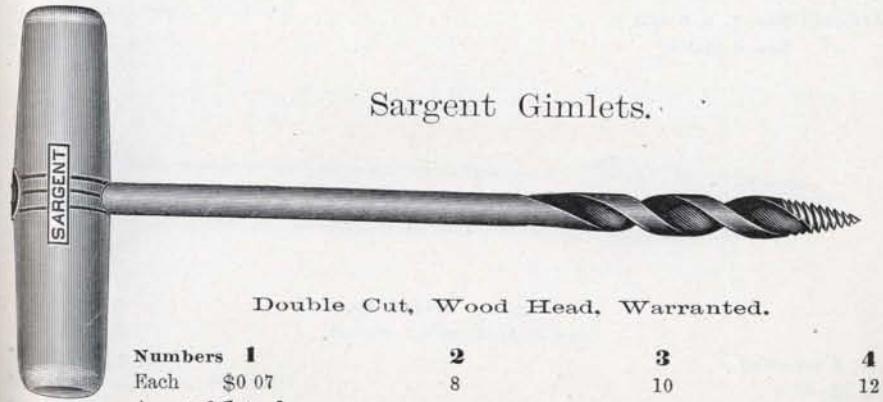


Sargent V·B·M Gimlets.

No. 95. Wood Head.

Numbers	1	2	3	4	5	6
Each	$0 10	12	14	16	18	20

Assorted 1 to 4	per dozen, $1 40
" 3 to 6	" 1 60



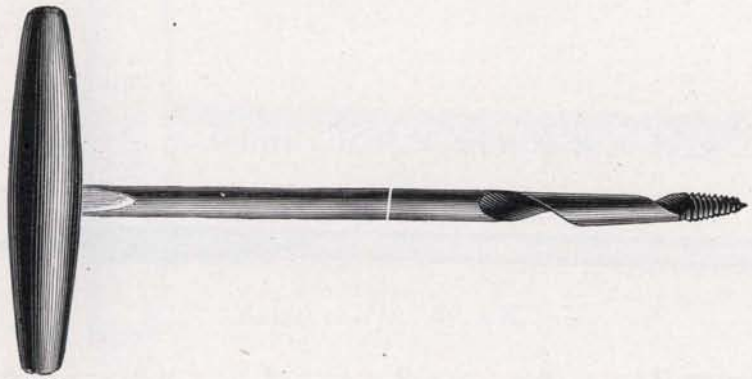
Sargent Gimlets.

Double Cut, Wood Head, Warranted.

Numbers	1	2	3	4
Each	$0 07	8	10	12

Assorted 1 to 4	per dozen, $1 20

Nail and Spike Gimlets.



Nail Gimlet

Nail Gimlets.

No. 1 Assorted, Nos. 1, 2 and 3	per dozen,	$0 50
Extra " Nos. 2 and 3	"	55
Assorted Nos. 1, 2, 3 and 4	"	60
" **Nos. 3 and 4**	"	70

Spike Gimlets.

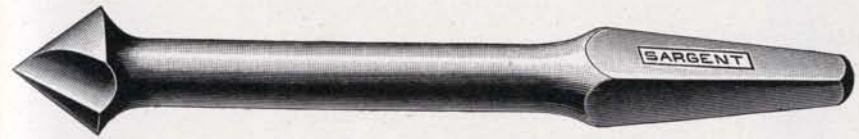
No. **1** Assorted	per dozen,	$0 90
No. **2** "	"	95
No. **3** "	"	1 00

Sargent Countersink Bits.

Diamont Point.

Numbers	**10**	**11**	**12**	**13**	**14**	**10** to **14**
To Bore	$\frac{5}{32} \times \frac{3}{4}$ in.	$\frac{5}{32} \times 1$ in.	$\frac{7}{32} \times 1\frac{1}{4}$ in.	$\frac{9}{32} \times 1\frac{1}{2}$	$\frac{9}{32} \times 1\frac{3}{4}$	Assorted
Each	$0 18	20	22	24	26	Per dozen, 2 20

Sargent Countersinks.



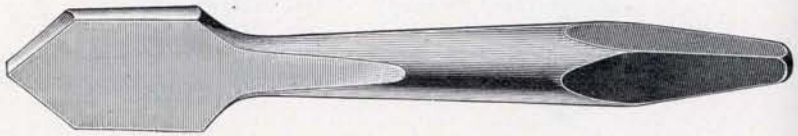
Snail Countersinks.

No. **17,** Cast Steel, For Wood . . . . . each, $0 25

Rose Countersinks.

No. **18,** Cast Steel, For Metal . . . . . each, $0 30

Countersinks.

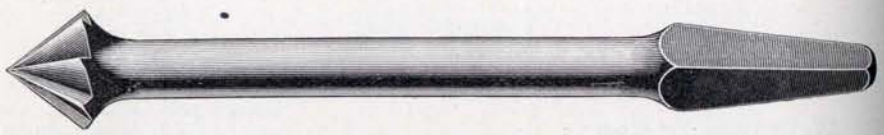


Flat Countersinks.

No. **6,** Cast Steel . . . . . each, $0 10

Rose Countersinks.

No. **8,** Cast Steel . . . . . each, $0 15



Rose Countersinks.

No. **9,** Cast Steel . . . . . each, $0 12

Countersinks for Wood.

No. **16,** Cast Steel . . . . . each, $0 11

Sargent Reamers.

No. 10

Square Reamers.

No. **10,** Cast Steel, Short . . . . each, $0 13
No. **20,** " " Long . . . . " 35

No. 20

Screw Driver Bits.

Ladd

Sargent

Sargent.

Made from Best Cast Steel, Spring Temper, Fully Warranted.

Numbers	Width	Each
11	1/4 Inch	$0 40
12	5/16 "	45
13	3/8 "	50
14	1/2 "	55
Assorted	1/4, 5/16 & 3/8 Inch	Per dozen, $4 60

Ladd.

No. **3,** Cast Steel, Assorted (sizes same as on Sargent) . per dozen, $0 85

Sargent "Peerless" Flexible Bit Gauge.

Patent applied for.

Nickel Plated.

No. **100,** To fit any size Bit . . . . . each, $0 35

The Sargent Flexible Bit Gauge is easily attached, detached and adjusted. It fits any size Auger Bit, Twist Drill, etc., and the single thumb-screw holds it firmly in place.

It will accurately gauge a hole of any depth to within 3/4 inch of the chuck of the brace. Will not mark the wood, will not slip upwards and will not interfere with the chips. It is the lightest Bit Gauge made.

The only Bit Gauge that can be used successfully for boring lock mortises.

Sargent V·B·M Hatchets.

All Tools bearing the V. B. M. stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

Selected Cast Steel, Hand Forged.

Sargent V·B·M Hatchets are made from special analysis steel forged from a single piece. This is accomplished by an improved process which brings the heads to a uniform pattern. The solid head overcomes the undesirable feature of laid steel hatchets which are in comparison short lived, and often defective in the welding, a process which is apt to burn the steel. The single piece also permits retempering of the blade when it is worn down beyond the extreme point of the original tempering. The checked face of the Lathing Hatchet prevents the head from sliding off a nail, as with the smooth face, but it also tends to mar the wood and so cannot be used to advantage in finishing work.

This line of Hatchets (Nos. 201 to 246) is particularly durable and may be used for heavy work. The black non-rusting finish of the body contrasting with the polished bevel and face together with the Olive Mission stained handle makes a striking effect.

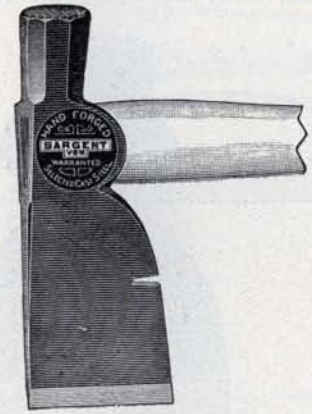
Shingling.

Numbers	201	202	203
Width of Cut	3½	4	4½ Inches
Each	$0 90	95	1 00

Sargent V·B·M Hatchets.

Claw.

Numbers	211	212	213
Width of Cut	3½	4	4½ Inches
Each	$1 00	1 05	1 10



Lathing.

Numbers	221	222	223
Width of Cut	2¼	2½	2¾ Inches
Each	$0 90	95	1 00

Sargent V·B·M Hatchets.

Half Hatchets.

Numbers	231	232	233
Width of Cut	3¼	3⅜	4 Inches
Each	$0 95	1 00	1 10

Sargent V·B·M Bench Axes.

Selected Cast Steel, Hand Forged.

Inside Bevel.

Numbers	241	242	243	244	245	246
Width of Cut	4	4½	5	5½	6	6½ Inches
Each	$1 20	1 30	1 50	1 60	1 70	1 80

Sargent V·B·M Hatchets.

All Tools bearing the V. B. M. stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

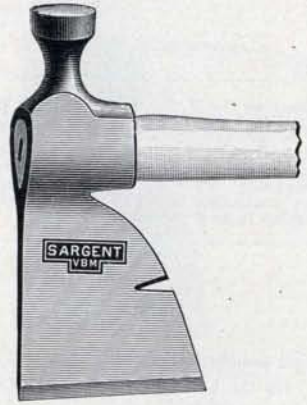
Nos. 81 to 110 are light, full polished Hatchets; they are strong for their weight, but not at all adapted to heavy work. On the Lathing Hatchets the faces are machine milled.

Solid Cast Steel, Full Polished.

Shingling. Adz Eye.

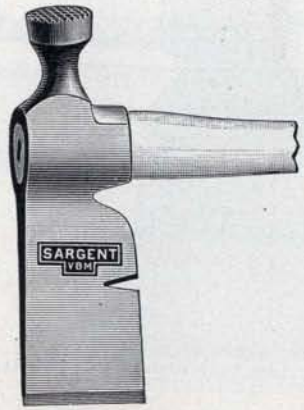
No. **81,** Haines Pattern, Width of Cut 3¼ Inches . . . . . each, $1 25
No. **82,** " " " " " 3½ " . . . . . " 1 35

Sargent V·B·M Hatchets.



Half. Adz Eye.

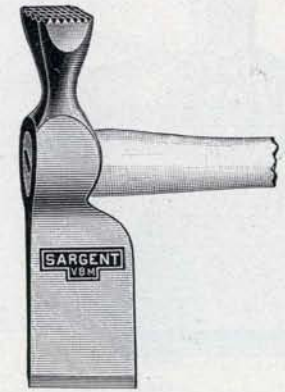
No. **91,** Haines Pattern, Width of Cut 3¼ Inches . . . . . each, $1 25
No. **92,** " " " " " 3½ " . . . . . " 1 35



Lathing. Adz Eye.

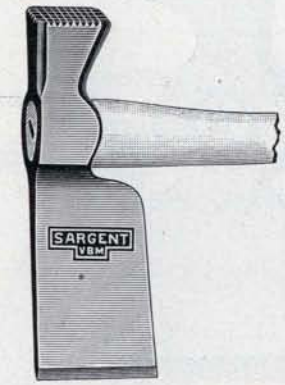
No. **100,** Haines Pattern, Width of Cut 2¼ Inches . . . . . each, $1 35

Sargent V·B·M Hatchets.



Lathing.

No. **105,** Boston Pattern, Width of Cut 2 Inches . . . . . each, $1 60

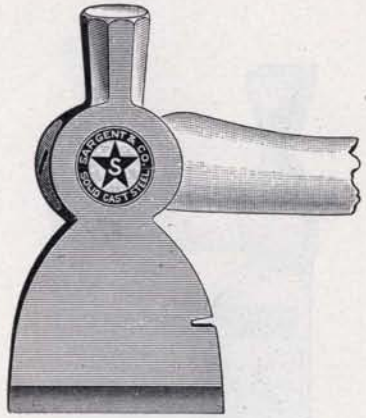


Lathing. Underhill Pattern.

No. **108,** Creased Face, 64 Points, 2⅛ Inch Cut . . . . . each, $1 40
No. **109,** " " 81 " 2⅛ " " . . . . . " 1 45
No. **110,** " " 100 " 2⅛ " " . . . . . " 1 50

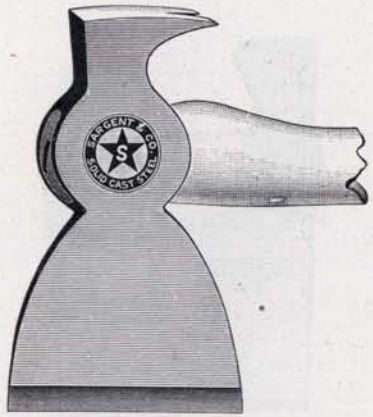
Sargent Solid Steel Hatchets.

Solid Steel, Full Polished, Etched Blades.



Shingling.

Numbers	401	402	403
Width of Cut	3½	3⅞	4⅜ Inches
Each	$0 80	85	90

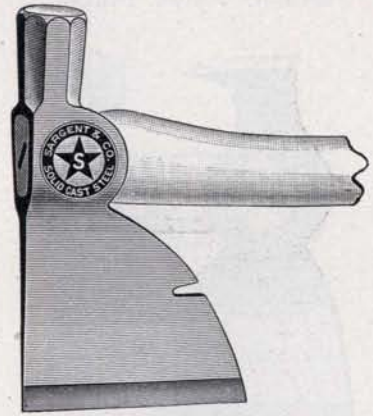


Claw.

Numbers	411	412	413
Width of Cut	3½	3⅞	4⅜ Inches
Each	$0 90	95	1 00

Sargent Solid Steel Hatchets.

Solid Steel, Full Polished, Etched Blades.

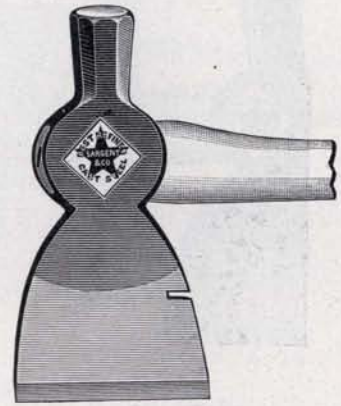


Half.

Numbers	431	432	433
Width of Cut	3¼	3⅝	4¼ Inches
Each	$0 85	90	95

Sargent Cast Steel Hatchets.

Blued, Extra Finish.

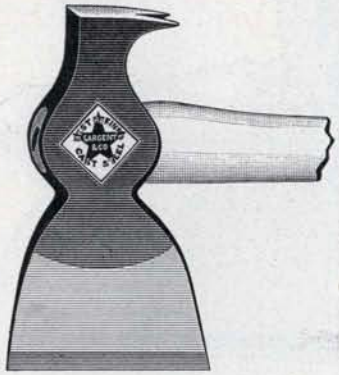


Shingling.

Numbers	0	1	2	3
Width of Cut	3	3½	3⅞	4⅜ Inches
Each	$0 60	65	70	75

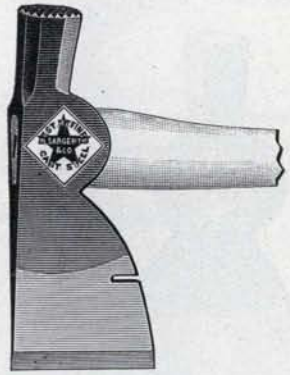
Sargent Cast Steel Hatchets.

Blued, Extra Finish.



Claw.

Numbers	**11**	**12**	**13**
Width of Cut	3½	3⅞	4⅜ Inches
Each	$0 75	80	85

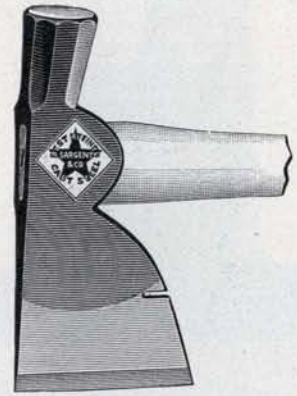


Lathing.

Numbers	**20**	**21**	**22**	**23**
Width of Cut	2¼	2½	2¾	3 Inches
Each	$0 60	65	70	75

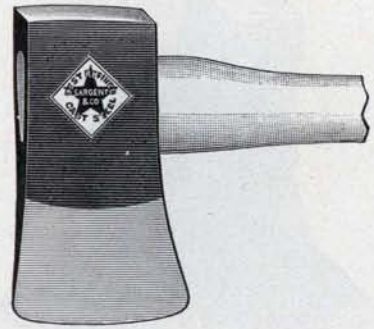
Sargent Cast Steel Hatchets.

Blued, Extra Finish.



Half.

Numbers	**31**	**32**	**33**
Width of Cut	3¼	3⅝	4¼ Inches
Each	$0 70	75	80



Boys' Handled Axes.

No. **51,** 24 to 26 Inch Handle . . . . . each, $0 95
No. **52,** 26 to 28 " " . . . . . " 1 00

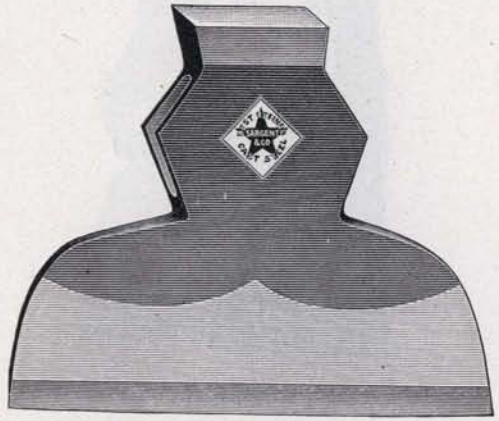
Hunters' Hatchets.

Numbers	**61**	**62**	**63**
Each	$0 80	85	90

Sargent Broad Axes.

Cast Steel, Blued, Extra Finish.

Assorted, 11 to 13 Inch Cut.



Pennsylvania Pattern.

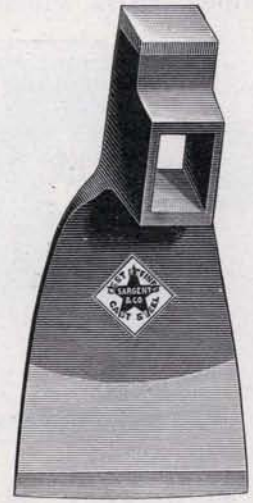
Weight, lbs.	5 to 7½	7 to 9	8 to 10
Each	$2 90	3 15	3 50

Western Pattern.

Weight, lbs.	5 to 7½	7 to 9	8 to 10
Each	$2 90	3 15	3 50

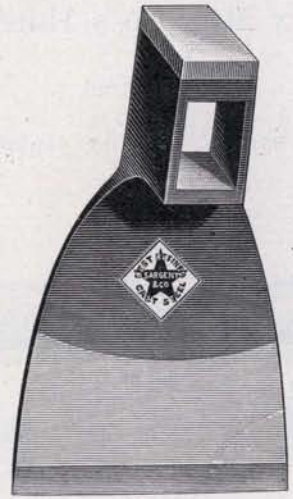
Sargent Cast Steel Adzes.

Blued, Extra Finish.



Carpenters' Adzes.

Carpenters' Adzes . . . . . each, $1 80

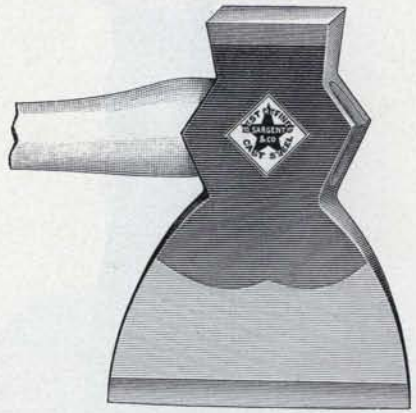


Railroad Adzes.

5 to 5½ Inch Cutter . . . . . each, $2 00
6 " " . . . . . " 2 10

Sargent Cast Steel Bench Axes.

Blued. Extra Finish.



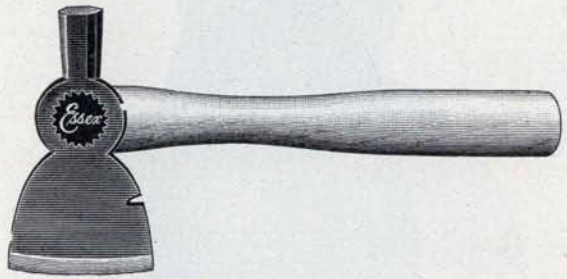
Single Bevel.

Numbers	41	42	43	44	45	46	47	48
Width of Cut	4	4½	5	5½	6	6½	7	7½ Inches
Each	$0 80	90	1 00	1 10	1 25	1 40	1 50	1 75

Essex Mfg. Co.'s Hatchets.

Cast Steel.

Black Finish, Quality Guaranteed.



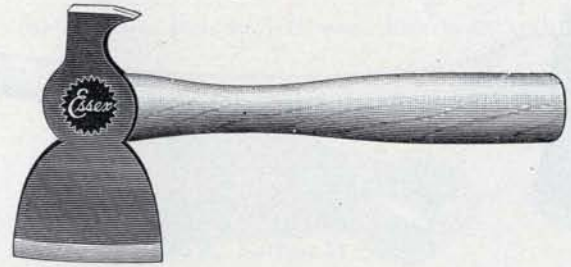
Shingling.

Numbers	301	302	303
Each	$0 50	55	60

Essex Mfg. Co.'s Hatchets.

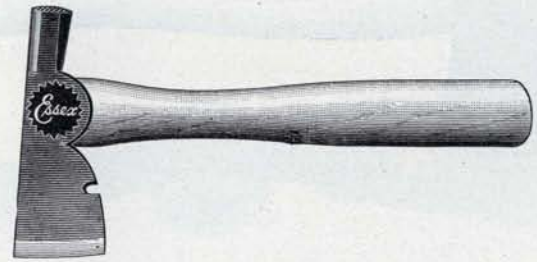
Cast Steel.

Black Finish, Quality Guaranteed.



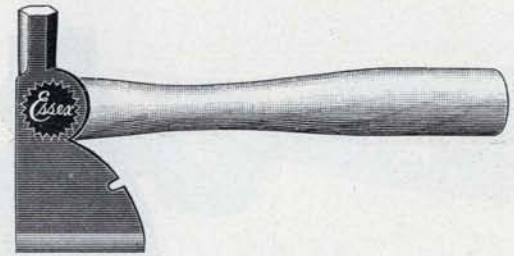
Claw.

Numbers	311	312	313
Each	$0 60	65	70



Lathing.

Numbers	321	322	323
Each	$0 50	55	60



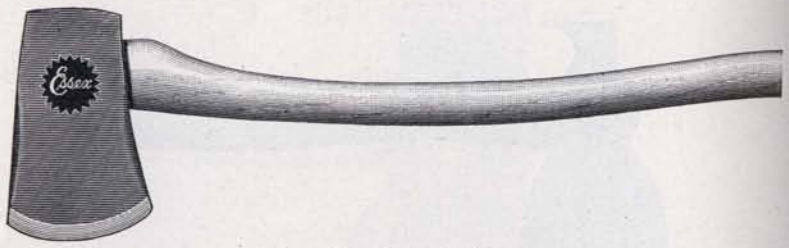
Half

Numbers	331	332	333
Each	$0 55	60	65

Essex Mfg. Co.'s Hatchets.

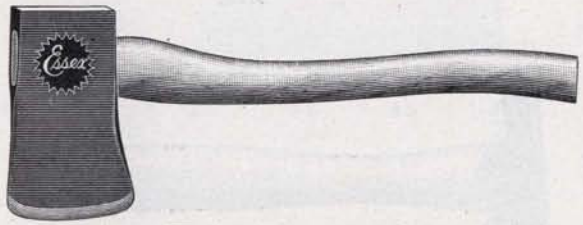
Cast Steel.

Black Finish, Quality Guaranteed.



Boys' Handled Axes.

No. **351,** 24 to 26 Inch Handle . . . . . each, $0 70
No. **352,** 26 to 28 " " . . . . . " 75



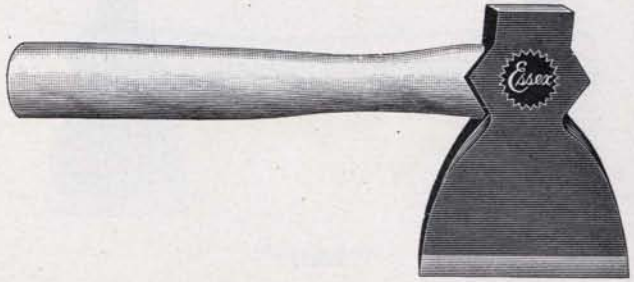
Hunters' Hatchets.

Numbers	**361**	**362**	**363**
Each	$0 65	70	75

Essex Mfg. Co.'s Bench Axes.

Black Finish, Quality Guaranteed.

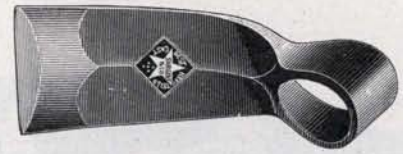
Cast Steel, Single Bevel.



Numbers	**341**	**342**	**343**	**344**	**345**
Each	$0 65	70	75	80	90

Sargent Grub Hoes and Mattocks.

Cast Steel, Painted Black, Extra Finish.



Grub Hoes.

Numbers	**0**	**1**	**2**	**3**
Each	$0. 55	60	65	70

Short Cutter Mattocks.

No. **60,** Adz Eye, Weight 5½ lbs. . . . . each, $0 80
No. **50,** " " " 5 " Light Pattern . . . . . " 75

Long Cutter Mattocks.

No. **65,** Adz Eye, Weight 6 lbs. . . . . each, $0 85
No. **55,** " " " 5 " Light Pattern . . . . . " 75

Sargent Mattocks and Picks.

Cast Steel, Painted Black, Extra Finish.

Pick Mattocks.

No. **70,** Adz Eye . . . . . each, $0 85

Railroad Picks.

No. 80, Adz Eye.

ASSORTED	**4 to 5 lbs.**	**5 to 6 lbs.**	**6 to 7 lbs.**	**7 to 8 lbs.**	**8 to 9 lbs.**
Each	$0 60	65	70	75	85

Sargent V·B·M Hammers.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

Sargent V·B·M Hammers are made up of high carbon steel heads and thoroughly seasoned selected hickory handles. The head is pressed, as opposed to forged steel. In this way the head is gradually formed up so that the tremendous friction due to drop forging is avoided, and the grain of the metal is apt to be much more even than in hammers where the head is formed with one or two blows.

The head is highly polished and fastened to the handle by tooth wedges which spread as they are driven into the wood, making it practically impossible for the head to become loosened.

The handle is smooth rubbed, designed for strength, and at the same time to fit the hand of the user. It is extra long to satisfy those that prefer this feature, while those that prefer a shorter handle can readily cut it down to the desired length.

While the neck of the handle is very narrow, it is so shaped that the material is thickest where there is the most strain, in the direction of the face and claw.

The Adz Eye Hammer is a later development in hammer heads, and is an improvement over the Joiners, in that it adds both strength and weight where each is required most. The straight face hammer as compared with the bell face, has a greater striking surface, but it is not as suitable for finishing. The curved surface of the bell face leaves no mark in the wood when the head of the nail is driven home.

The Octagon Pole, in theory, permits closer work in corners. The straight claw hammer is a practical tool for heavy work such as ripping. It has the advantage of concentrating weight back of the face and the claw. Farriers' Riveting and Machinists' Hammers are tools designed for specific purposes as indicated by the names.

Sargent V·B·M Hammers.

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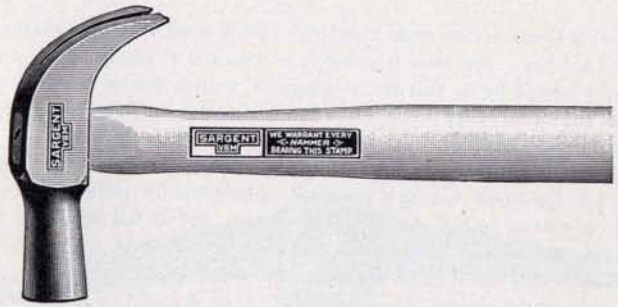
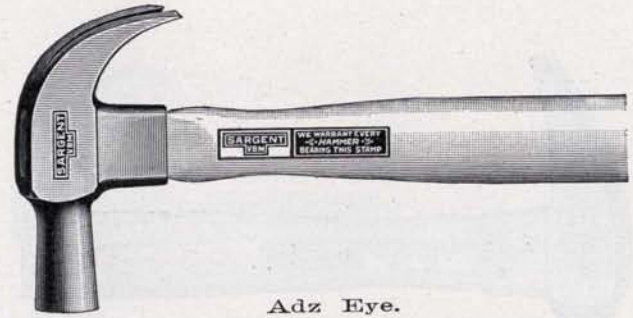
SARGENT V·B·M



Joiners.

Numbers	20	21	21½	22	23
Weight	1 lb. 8 oz.	1 lb. 2 oz.	15 oz.	12 oz.	7 oz.
Each	$0 85	70	65	60	55

Sargent V·B·M Hammers.

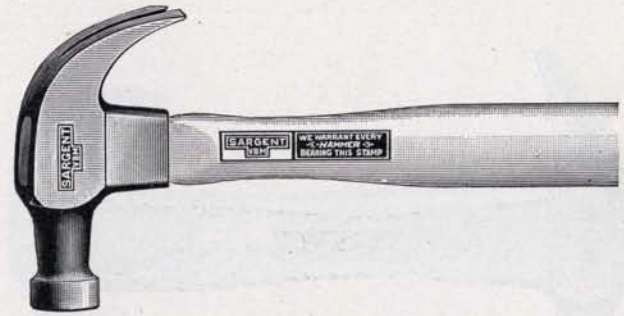


Adz Eye.

Numbers	0	1	1½	2	3
Weight	1 lb. 12 oz.	1 lb. 4 oz	1 lb.	13 oz.	7 oz.
Each	$1 10	90	80	75	70

Nickel Plated.

Numbers	5	5½	6
Weight	1 lb. 4 oz.	1 lb.	13 oz.
Each	$1 20	1 10	1 05



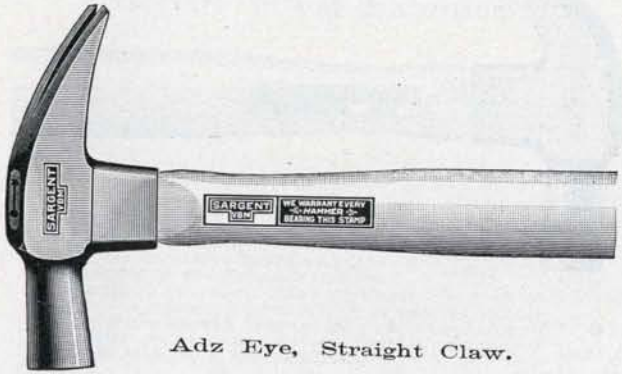
Adz Eye, Bell Face.

Numbers	10	11	11½	12	13
Weight	1 lb. 12 oz.	1 lb. 4 oz.	1 lb.	13 oz.	7 oz.
Each	$1 10	90	80	75	70

Nickel Plated.

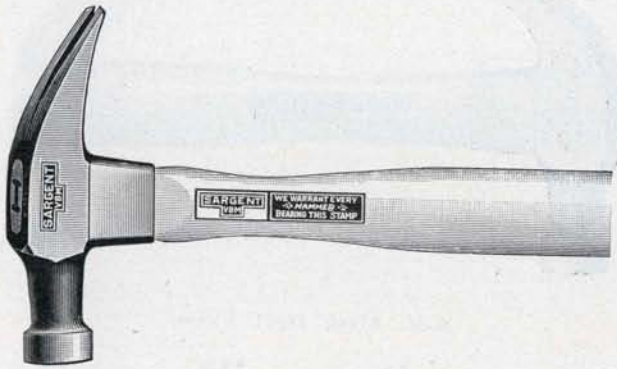
Numbers	15	15½	16
Weight	1 lb. 4 oz.	1 lb.	13 oz.
Each	$1 20	1 10	1 05

Sargent V·B·M Hammers.



Adz Eye, Straight Claw.

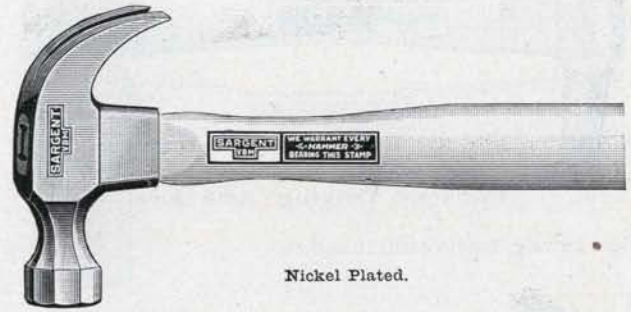
Numbers	**701**	**701½**
Weight	1 lb. 4 oz.	1 lb.
Each	$0 90	80



Adz Eye, Straight Claw, Bell Face.

Numbers	**711**	**711½**
Weight	1 lb. 4 oz.	1 lb.
Each	$0 90	80

Sargent V·B·M Hammers.



Nickel Plated.

Adz Eye, Octagon Head and Neck.

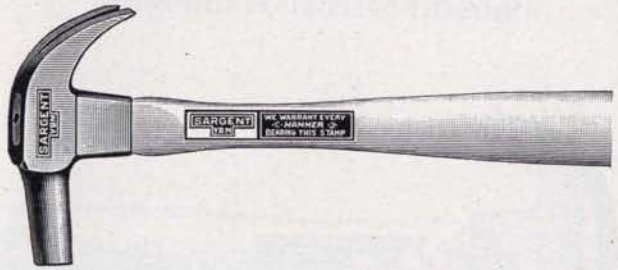
Numbers	**115**	**115½**	**116**
Weight	1 lb. 5 oz.	1 lb. 1 oz.	14 oz.
Each	$1 35	1 30	1 25

Nickel Plated, Ebonized Handle.

Adz Eye, Octagon Head and Neck.

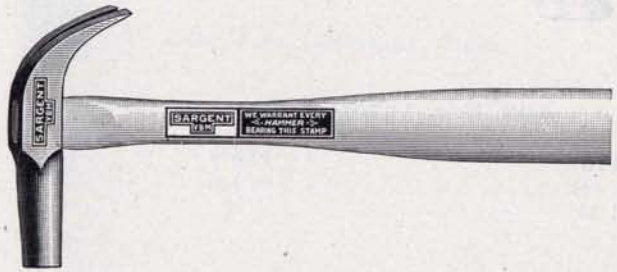
Numbers	**135**	**135½**	**136**
Weight	1 lb. 5 oz.	1 lb. 1 oz.	14 oz.
Each	$1 50	1 45	1 40

Sargent V·B·M Hammers.



Farriers' Driving, Adz Eye.

No. **52,** Farriers' Driving, weight each, 10 ounces . . . . . each, $0 70



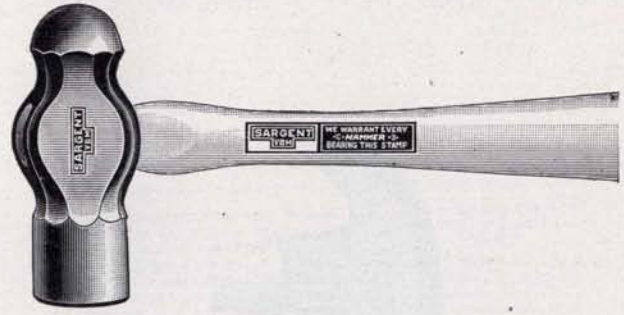
Farriers' Driving, Plain.

No. **55,** Farriers' Driving, weight each, 7 ounces . . . . . each, $0 60

Riveting.

Numbers	40	41	42	43	44
Weight	1 lb. 6 oz.	1 lb. 2 oz.	12 oz.	7 oz.	4 oz.
Each	$0 70	65	60	55	50

Sargent V·B·M Hammers.

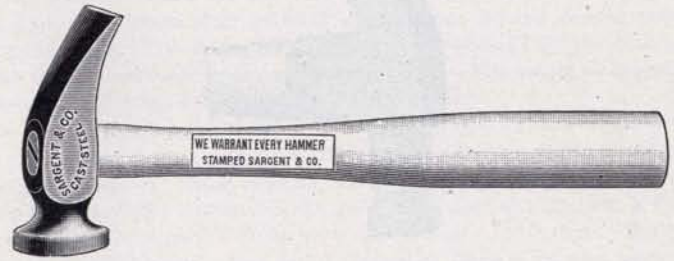


Machinists' Ball Pein Hammers' Octagon.

Numbers	120	121	122	123
Weight	2 lbs. 8 oz.	2 lbs.	1 lb. 12 oz.	1 lb. 8 oz.
Each	$1 10	1 00	95	90

Numbers	124	125	126	127
Weight	1 lb. 4 oz.	1 lb.	12 oz.	8 oz.
Each	$0 85	80	75	70

Sargent Solid Cast Steel Shoe Hammers.

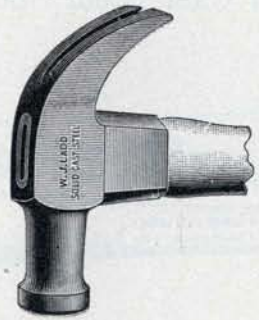


Numbers	3-0	2-0	0	1	2	3	4
Each	$0 45	48	50	52	55	58	60

Ladd Solid Steel Nail Hammers.

Adz Eye.

Numbers	1L	1½L	2L	3L
Each	$0 55	50	45	40



Adz Eye, Bell Face.

Numbers	11L	11½L	12L	13L
Each	$0 55	50	45	40

Sargent V·B·M Saws.

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SARGENT
V·B·M

Sargent V·B·M Saws are made of a special type of crucible hand saw steel which combines great durability and capability of holding an edge. "There is no better saw than this in the world" is etched on each blade.

The saw is hardened, tempered and sprung; the teeth being tested with a hammer to insure that the temper is right. They are smithed to put the proper tension in the blade; and ground with a taper from teeth to back leaving a uniform gauge on the teeth, the full length of the blade, giving also a hollow ground effect. The last feature allows the saw to run very easily and makes it less liable to bind where the friction would otherwise be greatest, namely: in the wide part of the blade.

In order to make the blades flat, and correct any defects from tension in grinding, they are carefully hammered before being polished and blocked; the last process smoothes any unevenness in the blade. The blades are spring tempered, set and full bevel-filed by hand as compared with the one-half beveling of most manufacturers. This long bevel extending all the way down the tooth makes the saw cut more easily and cleanly.

The term Panel Saw is applied to saws from 18 inch up to 22 inch which are used for lighter work than a Hand Saw; generally in inside work on thin boards and for mitreing, also frequently by pattern makers. Hand Saws 24 inch and longer are used for general and heavier work. A Rip Saw is used for sawing with the grain of the wood and the tooth is filed straight for general use, but for hard wood a slight bevel may be used to advantage. Rip Saws regularly have 4, 4½, 5 or 5½ points to the inch. Cross Cut Saws to be used across the grain have from 6 to 12 points to the inch.

The "point" of the Saw is the extreme end away from the handle, the "butt" is the end of the blade where it meets the handle.

No. 22. "Sargent V·B·M."

Carved and Polished Apple Handle, 4 Improved Screws, Highly Polished Blade.

Inch	16	18	20	22	24	26	28	30
Each	$2 15	2 35	2 60	2 85	3 05	3 30	3 75	4 30

No. 17. "Sargent V·B·M."

Beech Handle with Polished Edges, 4 Improved Screws, Grained Blade.

Inch	16	18	20	22	24	26	28	30	32	34
Each	$1 45	1 55	1 80	2 00	2 15	2 25	2 65	3 00	3 40	3 85

No. 19. "Sargent V·B·M."

Beech Handle with Polished Edges, 4 Improved Screws, Grained Blade.

Inch	18	20	22	24	26	28
Each	$1 55	1 80	2 00	2 15	2 25	2 65

No. 28. "Sargent V·B·M."

Skew Back. Close-Up Full Polished Apple Handle, 5 Improved Screws, Polished Blade.

Inch	16	18	20	22	24	26	28	30
Each	$1 75	1 95	2 15	2 40	2 55	2 70	3 05	3 40

Sargent & Co.'s Panel, Hand and Rip Saws.

No. 29. "Sargent V·B·M."

Close-Up Apple Handle with Polished Edges, 4 Improved Screws, Polished Blade.
The 28 Inch have 5 Screws.

Inch	18	20	22	24	26	28
Each	$1 80	2 00	2 25	2 40	2 50	2 85

No. 128. "New Haven."

Skew Back. A superior Saw, Fully Warranted. Carved and Polished Close-Up Handle,
4 Improved Screws. Full Width Polished Blade.

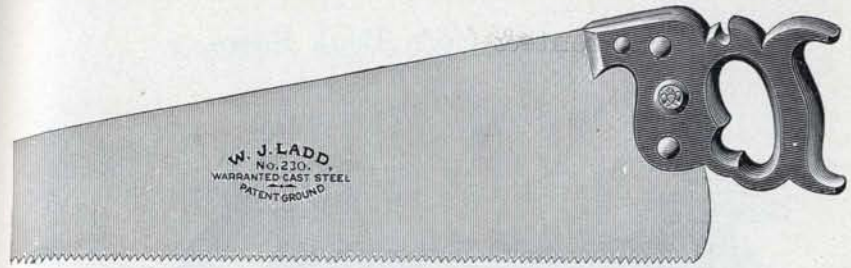
Inch	16	18	20	22	24	26	28
Each	$1 20	1 30	1 35	1 45	1 55	1 80	2 00

No. 128B.

No. 128 B has Blued Blade, otherwise same as above.

Inch	16	18	20	22	24	26	28
Each	$1 30	1 35	1 45	1 55	1 65	1 90	2 10

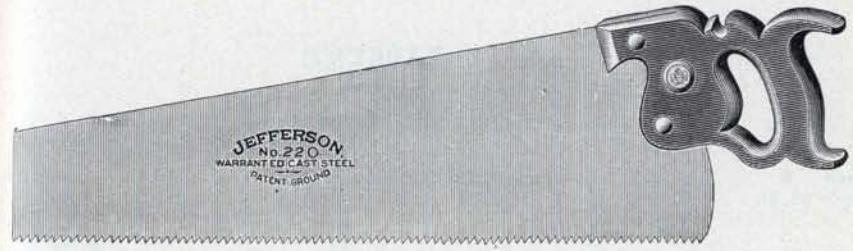
Sargent & Co.'s Panel, Hand and Rip Saws.



No. 230. "Ladd."

Beech Handle with Polished Edges, 4 Improved Screws, Full Width, Grained Blade.

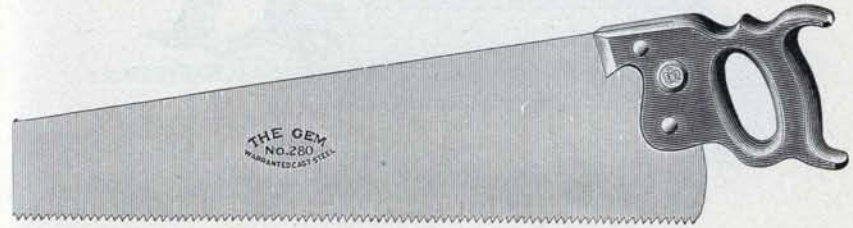
Inch	16	18	20	22	24	26	28	30
Each	$0 85	95	1 05	1 15	1 30	1 40	1 70	2 00



No. 220. "Jefferson."

Beech Handle with Polished Edges, 3 Improved Screws.

Inch	16	18	20	22	24	26	28	30
Each	$0 60	65	70	75	80	85	95	1 05



No. 280. "Gem."

Beech Handle with Polished Edges. 3 Improved Screws.

Inch	12	14	16	18	20	22	24	26	28	30
Each	$0 35	40	45	50	55	60	65	70	75	85

Sargent & Co.'s Back Saws.

No. 44, SARGENT V·B·M

Heavy Blued Steel Back, Apple Handle.

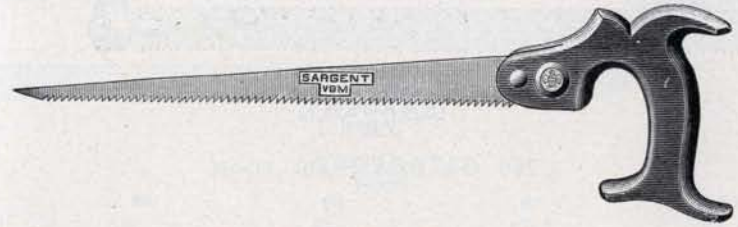
Inch	8	10	12	14	16	18
Each	$1 50	1 60	1 80	2 05	2 25	2 50

No. 41, "Jefferson."

Blued Steel Back, Beech Handle.

Inch	8	10	12	14	16	18
Each	$1 05	1 15	1 35	1 60	1 80	2 05

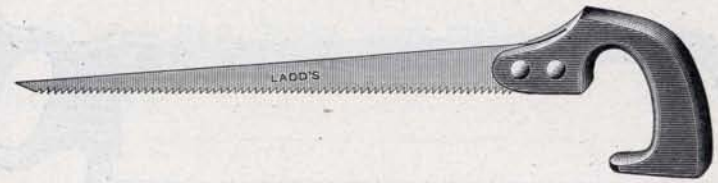
Sargent & Co.'s Compass Saws.



SARGENT V·B·M

No. 1, Apple Handle.

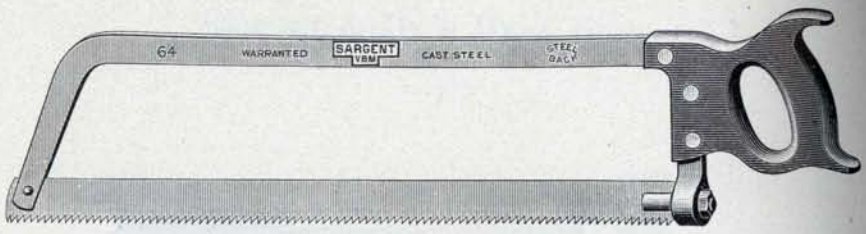
Inch	10	12	14	16
Each	$0 50	55	60	65



"Ladd." Beech Handle.

Inch	10	12	14	16
Each	$0 30	35	40	45

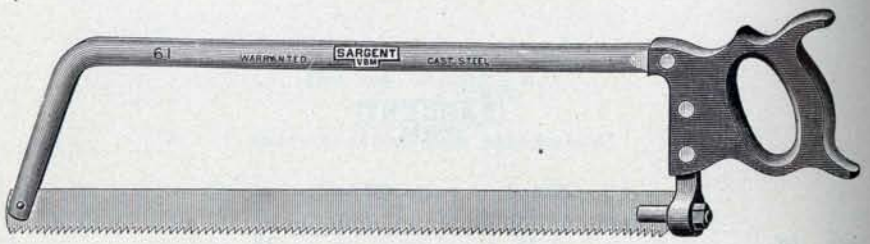
Sargent & Co.'s Butcher Saws.



SARGENT V·B·M

No. 64, Flat Steel Back.

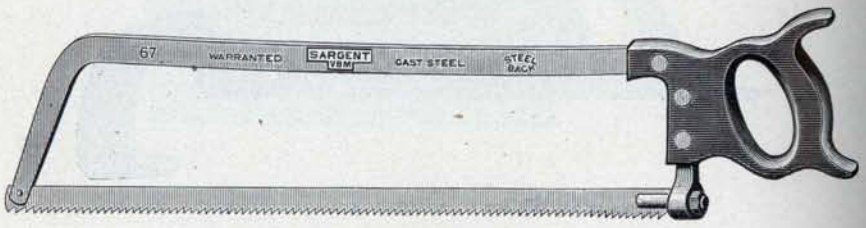
Inch	16	18	20	22	24
Each	$1 60	1 70	1 80	1 90	2 00



SARGENT V·B·M

No. 61, Oval Back.

Inch	12	14	16	18	20	22	24
Each	$1 35	1 45	1 55	1 60	1 70	1 75	1 90

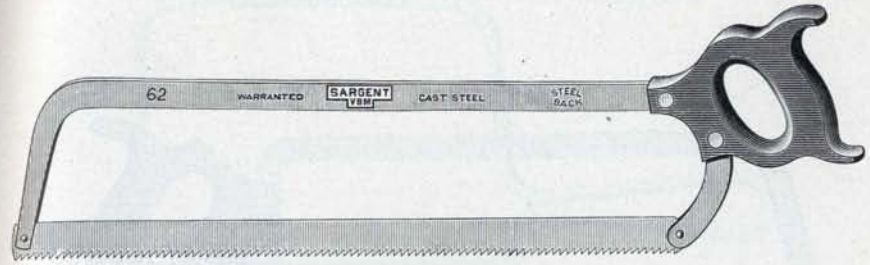


SARGENT V·B·M

No. 67, Flat Steel Back.

Inch	16	18	20	22	24	26	28
Each	$1 20	1 30	1 40	1 50	1 60	1 70	1 80

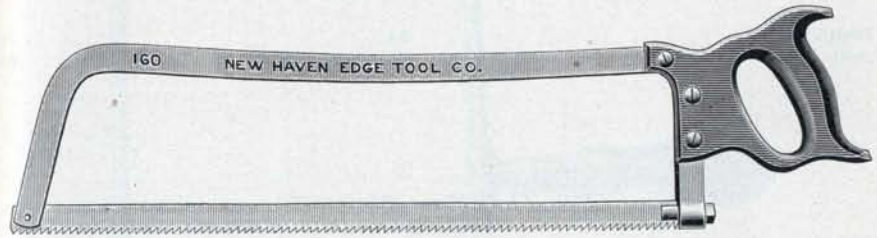
Sargent & Co.'s Butcher Saws.



SARGENT V·B·M

No. 62, Flat Steel Back.

Inch	12	14	16	18	20	22	24
Each	$0 90	1 00	1 10	1 20	1 30	1 40	1 50



No. 160, "New Haven."

Flat Steel Back, Blued Clock Spring Steel Blade.

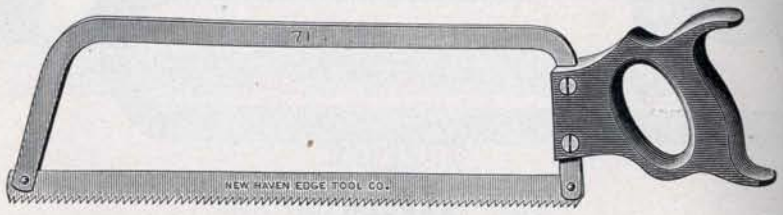
Inch	16	18	20	22	24	26	28
Each	$0 95	1 05	1 10	1 15	1 25	1 40	1 65

Sargent V·B·M Butcher Saw Blades.

3-4 to 1¼ Inches wide.

Inch	12	14	16	18	20	22	24	26	28
Each	$0 30	32	34	36	38	41	43	45	48

Sargent & Co.'s Kitchen Saws.



No. 70, "New Haven."

Flat Steel Back.

Inch	**12**	**14**	**16**
Each	$0 55	60	65

No. 71, "New Haven."

Flat Steel Back, Extra Quality.

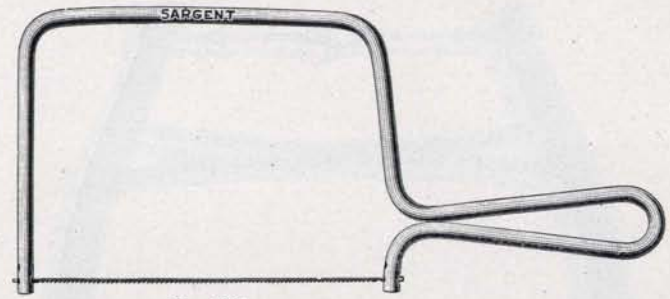
Inch	**12**	**14**	**16**
Each	$0 60	65	70

Sargent & Co.'s Saw Knives.

"Sargent."

12 Inch Cast Steel Blade . . . . . each, $0 50

Sargent Coping Saws.

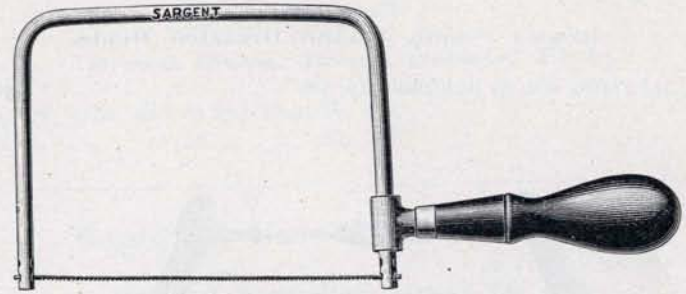


No. 100 S

All Wire, Nickel Plated.

6 Inch Bent End Blades. Depth of Cut, 4 Inches. Complete with 12 Blades each. Adjustable so as to face the blade in four different directions.

No. **100 S,** All Wire . . . . . each, $0 25



No. 110 S

Wire Frame, Nickel Plated, Black-Wood Handle.

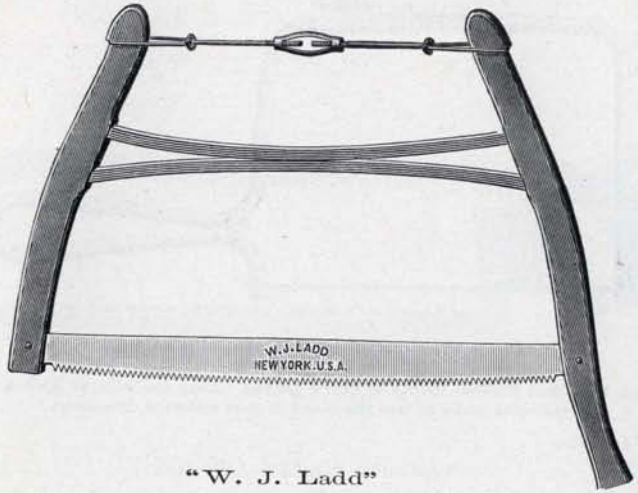
6 Inch Bent End Blades. Depth of Cut, 4 Inches. Complete with 12 Blades each. Adjustable so as to face the blade in four different directions.

No. **110 S,** Wire Frame, Black-Wood Handle . . . . . each, $0 35

Sargent V·B·M Coping Saw Blades.

V·B·M Coping Saw Blades, 6 Inches, Bent Ends . . . . . each, $0 05

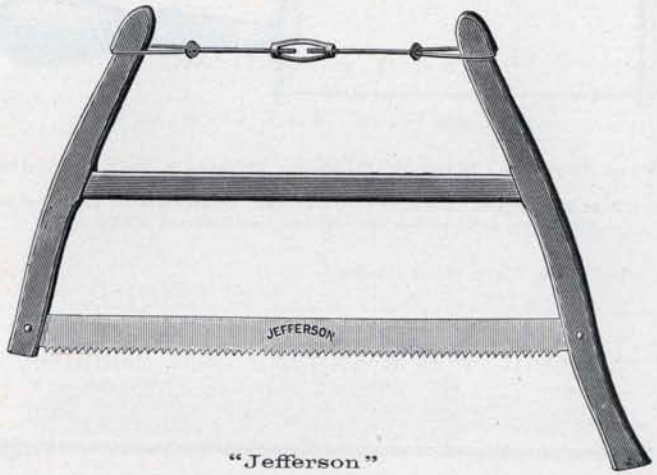
Sargent & Co.'s Framed Wood Saws.



"W. J. Ladd"

Braced Frame, Round Breasted Blade.

No. **430,** Red Frame, with 30 Inch Blade No. 440 . . . . . each, $0 90



"Jefferson"

No. **404,** White Frame, with 30 Inch Blade No. 414 . . each, $0 65
No. **405,** Red " " 30 " " No. 414 . . . . . " 70

Sargent & Co.'s Framed Wood Saws.

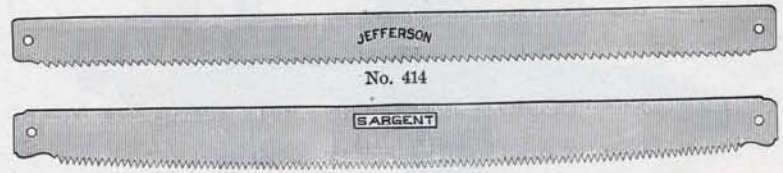
"Sargent"

Braced Frame, Round Breasted Blade.

No. **450,** Red Frame, with 30 Inch Blade No. 460 . . . . . each, $0 95
No. **452,** " " " 30 " " No. 462 . . . . . " 95

Sargent & Co.'s Wood Saw Blades.

Set and Sharpened Ready for Use.



No. 414

Nos. 460 to 463. Round Breasted. Style of No. 440

						Length,	**30**	**32** In.
No. **414,**	Jefferson,	Plain Tooth,	Polished			. each,	$0 40	45
No. **440,**	Ladd,	Round Breasted,	Plain Tooth,	Polished		"	60	
No. **460,**	Sargent,	"	"	"	"	"	70	75
No. **462,**	"	"	"	"	Blued	"	70	75
No. **461,**	"	"	Peg	"	Polished	"	70	75
No. **463,**	"	"	"	"	Blued	"	70	75

How to Sharpen and Set a Saw.

To sharpen a Saw rub down preferably with a 10-Inch Mill File the points of the teeth until they are even, bearing down more on the point and butt of the Saw Blade so as to give the blade a slight breast or curve. Then set the teeth: the proper way is to set it with a stake and hammer. If set with a saw-set care should be taken to set the points of the teeth, not the whole tooth, as this pulls the body of the Saw out of shape while the point of the Saw is what does the work. For a saw-set we recommend Aiken's Pattern Nos. 5 and 1 shown below.

Follow this by using a 5½-Inch or a 6-Inch slim taper file and break the tooth down with two rubs of the file, filing from the points to the butt; then take a new file and give the teeth two more rubs putting on a full bevel.

Sargent Saw Sets.

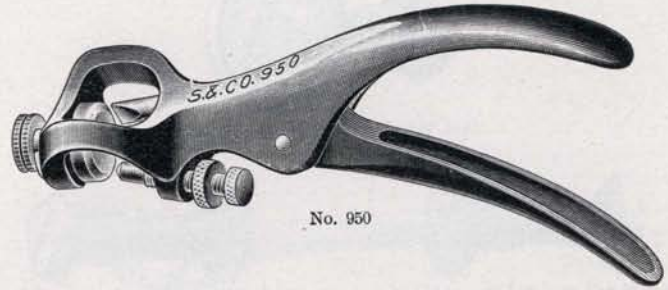
Half Size of No. 1

No. **5,** Aiken's Pattern, Cast Steel . . . . . each, $0 55

Sargent V·B·M

No. **1,** Aiken's Patent, Highest Grade of Cast Steel . . . . . each, $0 90

Sargent Saw Sets.

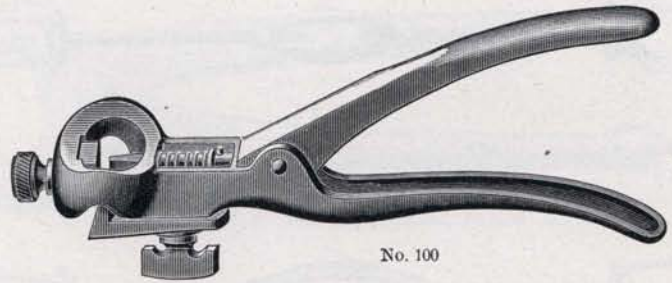


No. 950

Gun Metal Finish, 7 Inches Long.

With Revolving Anvil and Indicator Dial.

No. **950,** For Hand Saws from the widest made down to ½ Inch in width . each, $1 15



No. 100

No. **100,** 7 Inches long. For Hand Saws of all kinds . . . . . each, $0 55
No. **300,** 10¼ Inches long. For Single Tooth Cross-Cut and Circular Saws, 14 to 20 gauge . . . . . " 1 10
No. **400,** 10¼ Inches long. For M, Champion and Double Tooth Cross-Cut Saws, 14 to 20 gauge . . . . . " 1 10

Brass Saw Screws.

Nos. 23 and 24. Full Size of No. 23

Nos. 21 and 22. Full Size of No. 21

Full Size of No. 31

Numbers	21	22	23	24	31
Each	$0 02	03	05	06	04

Saw Rods.

No. 11.

Length	21	22	23	24	26 Inches
Each	$0 08	09	10	12	15

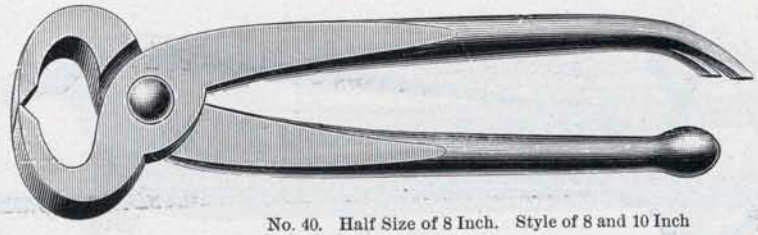
No. 5, "Ajax," Extra Heavy.

Tinned Rod and Loops, Japanned Nuts.

Length	21	22	23	24 Inches
Each	$0 20	22	25	28

Carpenters' Pincers.

No. 40. Half Size of 6 Inch. Style of 6 and 7 Inch

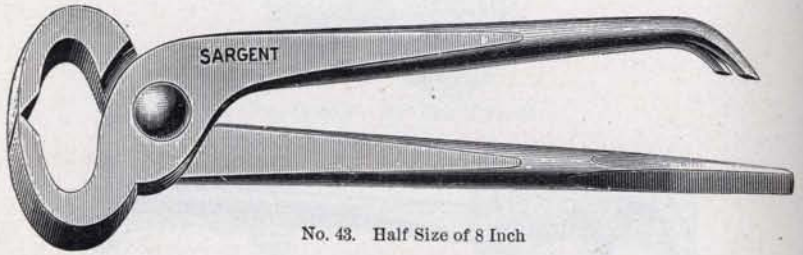


No. 40. Half Size of 8 Inch. Style of 8 and 10 Inch

No. 40, Wrought, Polished Jaws.

Inch	6	7	8	10
Each	$0 25	30	35	40

Carpenters' Pincers.

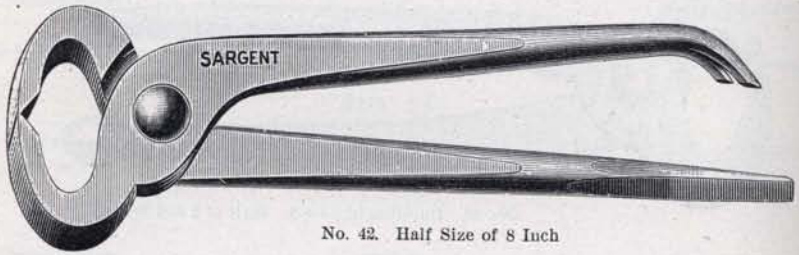


No. 43. Half Size of 8 Inch

No. 43, Solid Cast Steel, Polished Jaws.

Extra Quality, Warranted.

Inch	6	7	8	10	12
Each	$0 30	35	40	45	55



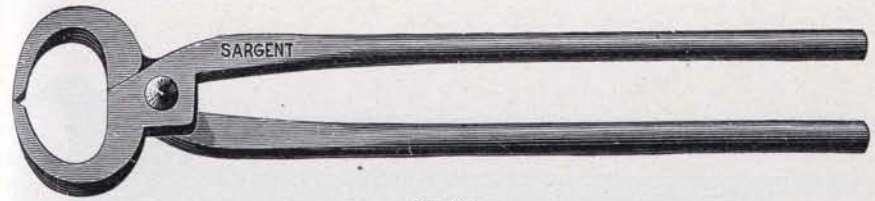
No. 42. Half Size of 8 Inch

No. 42, Steel Face, Polished Jaws.

Extra Quality, Warranted.

Inch	6	8	10	12
Each	$0 40	45	50	60

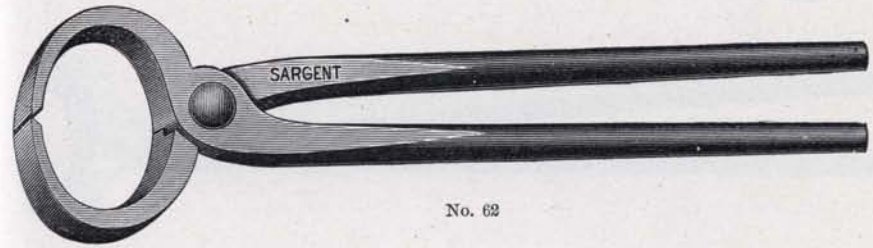
Horse Shoeing Pincers.



No. 52

No. 52, Steel Face.

10 Inch, Extra Quality, Warranted . . . . . each, $0 75
12 " " " " . . . . . " 85
14 " " " " . . . . . " 95

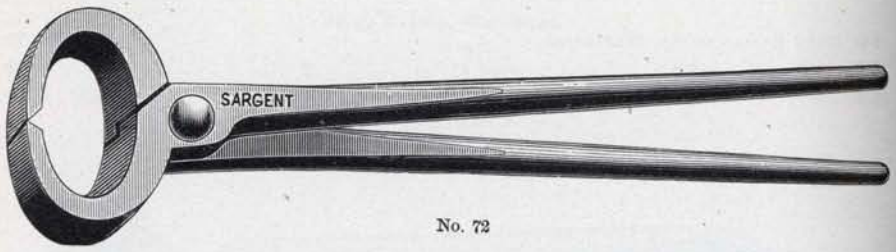


No. 62

No. 62, Solid Cast Steel, Hammered.

12 Inch, Polished Jaws, Extra Quality, Warranted . . . . . each, $1 30

Horse Shoeing Pincers.

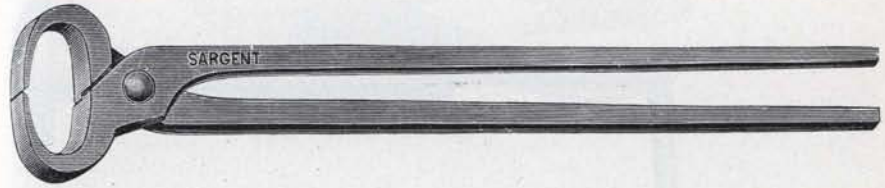


No. 72

No. 72, Solid Cast Steel, Hammered.

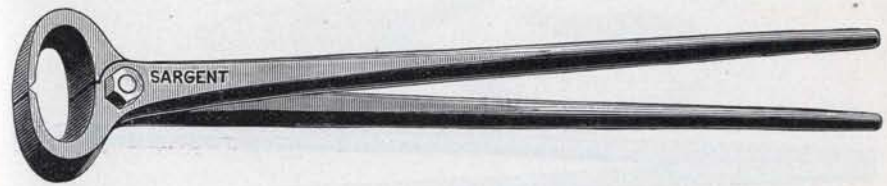
14 Inch, Polished Jaws, Extra Quality, Warranted . . . . . each, $1 70

Cast Steel Hoof Nippers.



No. 32, Solid Cast Steel, Hammered.

12 Inch, All Cast Steel, Polished Jaws, Extra Quality, Warranted . . . each, $0 95
14 " " " " " " " " " . . . . " 1 25



No. 82, Solid Cast Steel, Hammered.

14 Inch, All Cast Steel, Blued, Extra Quality, Removable Screw Rivet, Warranted . . . . . each, $1 70

Blacksmiths' Butterises.

Quarter Size of Nos. 1 and 2

Cast Steel Blade, Wood Handle.

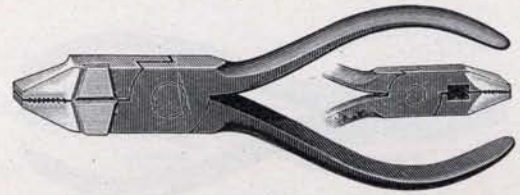
No. **1,** Japanned . . . . . each, $0 75
No. **2,** Polished . . . . . " 95

Blacksmiths' Tongs.

No. 60, Wrought Iron.

Inch	18	20	22	24	26
Each	$0 40	45	50	55	60

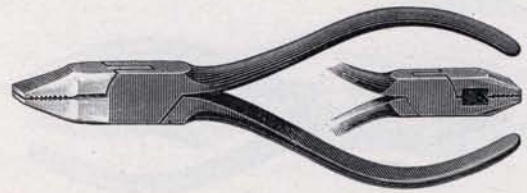
Side Cutting Pliers.



No. 51

No. 51.

Inch	4	4½	5	5½	6	7	8
Each	$0 50	55	60	65	70	80	85

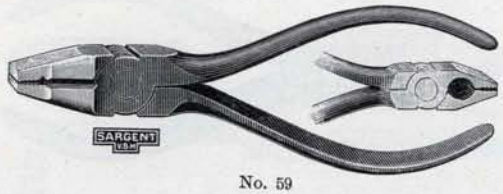


No. 57

No. 57, Solid Cast Steel.

Raised Cutters.

Inch	5	6	7	8
Each	$1 10	1 20	1 50	1 75



No. 59

No. 59, SARGENT V·B·M Solid Cast Steel.

Raised Cutters.

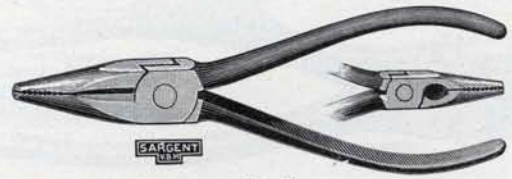
Inch	4	5	6	7	8
Each	$0 55	65	75	85	1 05

No. 27

No. 27, SARGENT V·B·M Solid Cast Steel.

Especially adapted for Plumbers' Use, etc.

5½ Inch, Solid Cast Steel . . . . . each, $0 75



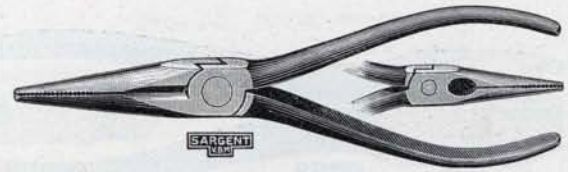
No. 55

No. 55, SARGENT V·B·M Solid Cast Steel.

Spring Tempered Nose.

Especially adapted for Sewing Machine and Milliners' Use.

5 Inch, Solid Cast Steel . . . . . each, $0 85



No. 47

No. 47, SARGENT V·B·M Solid Cast Steel.

Spring Tempered Long Chain Nose.

For Inside Electrical, Telephone and other Light Work.
Especially adapted for Jewelers', Opticians' and Milliners' Use.

5½ Inch, Solid Cast Steel . . . . . each, $1 00

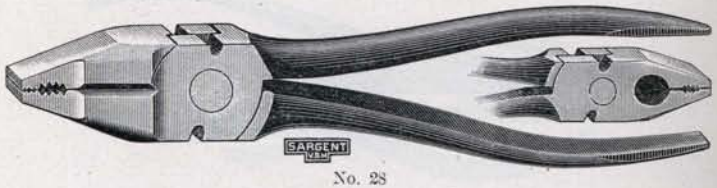
Side Cutting Pliers.

No. 29

No. 29, Combination Pliers.

Solid Cast Steel, Raised Cutters, Round Throat. Flat Nose, Gas-Burner, Side Cutting and Button Pliers, with Screw Driver and Reamer.

Inch	6	7	8
Each	$1 00	1 20	1 35



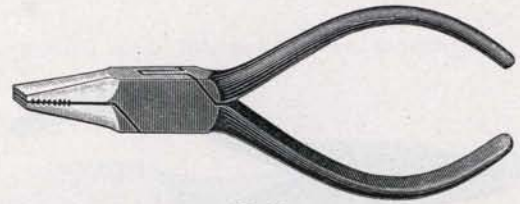
No. 28

No. 28, SARGENT V·B·M Combination Pliers.

Solid Cast Steel, Raised Cutters, Oval Throat. Flat Nose, Gas-Burner, Side Cutting and Button Pliers, with Screw Driver and Reamer.

7 Inch, Solid Cast Steel . . . . . each, $1 15

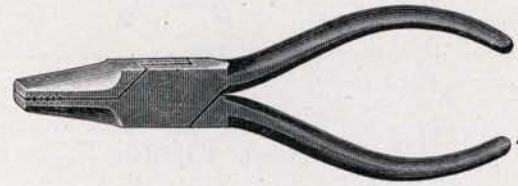
Flat Nose Pliers.



No. 21

No. 21.

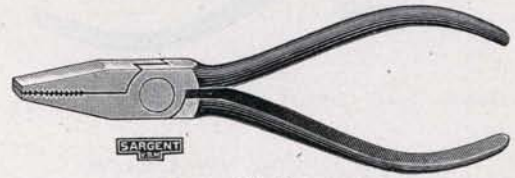
Inch	3	3½	4	4½	5	5½	6	7	8
Each	$0 12	15	18	20	25	30	35	40	45



No. 13

No. 13, Solid Steel.

Inch	3	3½	4	4½	5	5½	6	7	8
Each	$0 25	28	30	32	35	40	45	55	65

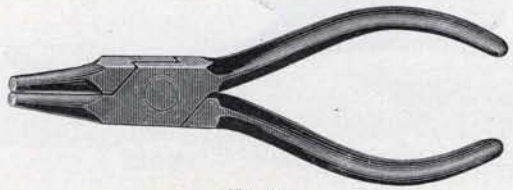


No. 15

No. 15, SARGENT V·B·M Solid Cast Steel.

Inch	3½	4	4½	5	5½	6
Each	$0 36	38	40	45	50	55

Round Nose Pliers.

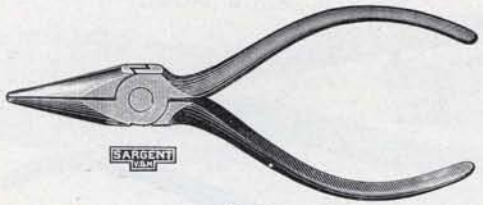


No. 14

No. 14, Solid Steel.

Inch	3	3½	4	4½	5	5½	6	7	8
Each	$0 28	30	32	35	40	45	50	60	75

Chain Nose Pliers.



No. 17

No. 17, SARGENT V·B·M Solid Cast Steel.

Spring Tempered Nose.

Inch	4	4½	5
Each	$0 50	60	65

Sargent V·B·M Button Pliers.

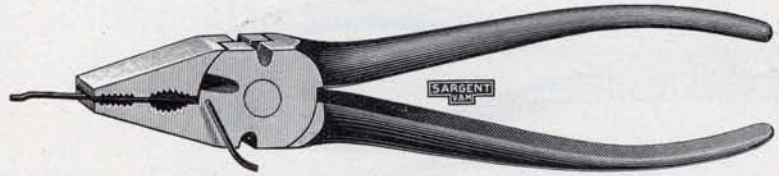
Pliers and Wire Cutters Combined.

No. 78

No. 78, SARGENT V·B·M Solid Cast Steel.

Stop Joint.

Inch	4½	6	8	10
Each	$0 35	40	50	60



No. 79

No. 79, SARGENT V·B·M Solid Cast Steel.

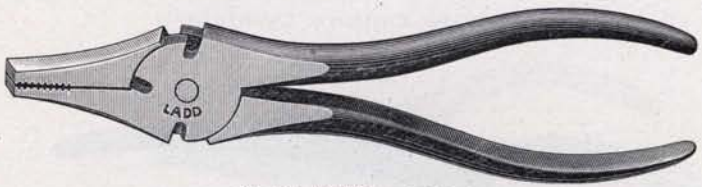
With Four Wire Cutters.

This Plier holds the end of the Wire after cut has been made.

Inch	4½	6	8	10
Each	$0 40	45	55	70

Ladd Button Pliers.

Pliers and Wire Cutters Combined.



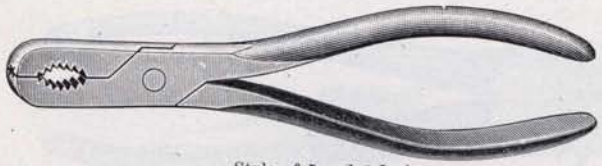
No. 77. Half Size of 6 Inch

Warranted Cast Steel.

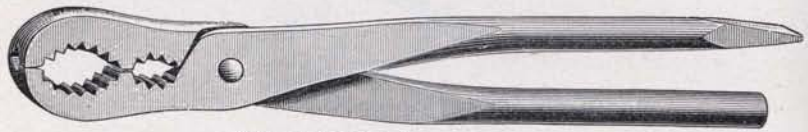
No. 77, Flat Nose.

4½	Inch, To cut	No. 14	Wire and smaller	each,	$0 35
6	" "	No. 11	" " "	"	40
8	" "	No. 8	" " "	"	50
10	" "	No. 6	" " "	"	70

Gas Pliers.



Style of 5 and 6 Inch

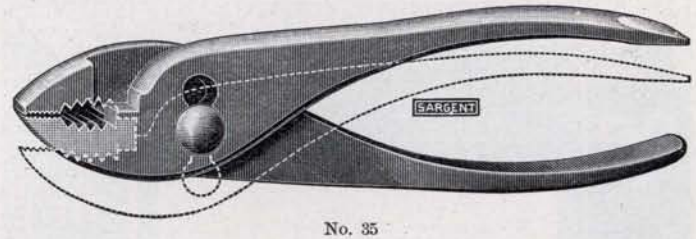


Style of 7 to 10 Inch

No. 25, Cast Steel, Polished.

Inch	5	6	7	8	9	10	12
Each	$0 35	40	45	50	55	65	75

Adjustable Combination Pliers—Slip Joint.



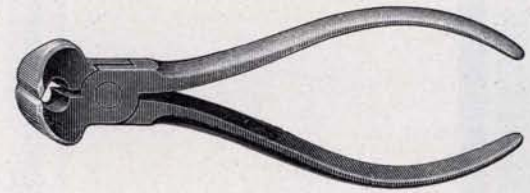
No. 35

No. 35, Solid Cast Steel.

An indispensable Tool for Electricians, Linemen, Gas Fitters, Wire Workers, Bicycle and Automobile Repair Men.

Inch	6	10
Each	$	

End Cutting Nippers.

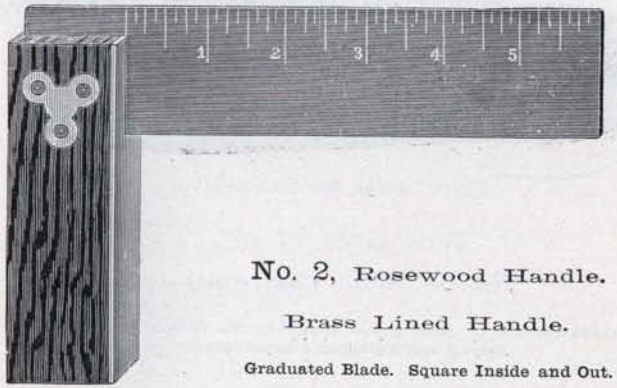


No. 75

No. 75.

Inch	4	4½	5	5½	6	7	8
Each	$0 40	45	50	55	60	75	95

Sargent Try Squares.

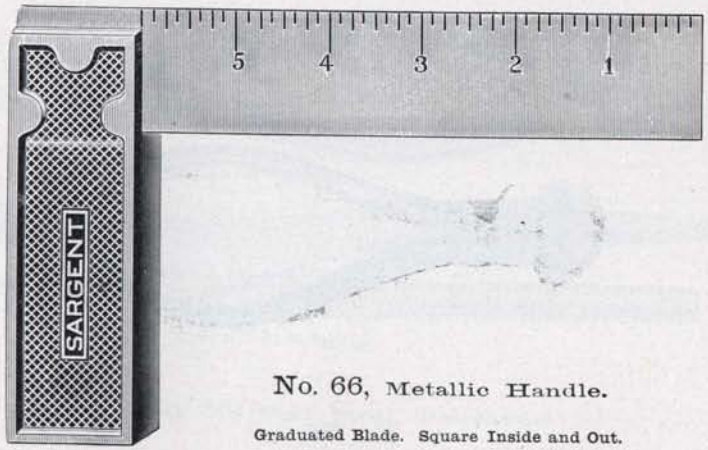


No. 2, Rosewood Handle.

Brass Lined Handle.

Graduated Blade. Square Inside and Out.

Inch	3	4½	6	7½	9	10	12	15	18
Each	$0 25	30	35	40	50	60	70	80	1 10

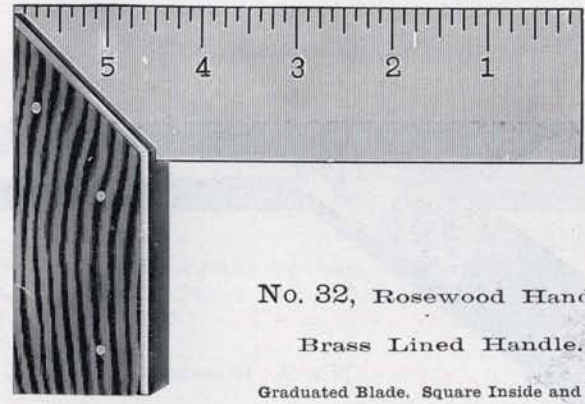


No. 66, Metallic Handle.

Graduated Blade. Square Inside and Out.

Inch	4	6	8	10	12
Each	$0 35	40	50	65	75

Sargent Try and Mitre Squares.

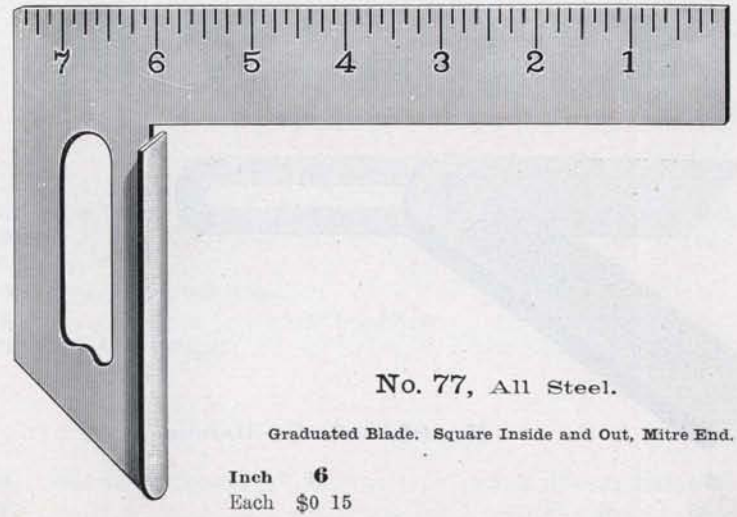


No. 32, Rosewood Handle.

Brass Lined Handle.

Graduated Blade. Square Inside and Out.

Inch	4½	6	7½	9	12
Each	$0 45	50	60	70	85

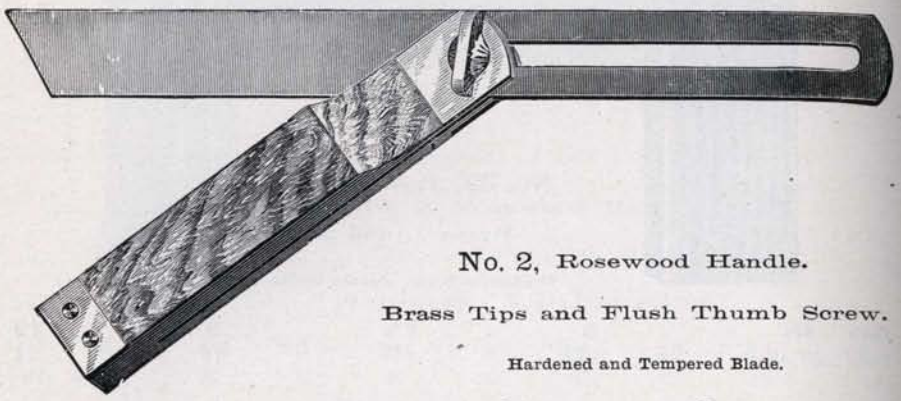


No. 77, All Steel.

Graduated Blade. Square Inside and Out, Mitre End.

Inch	6	7½
Each	$0 15	20

Sargent Sliding T Bevels.



No. 2, Rosewood Handle.

Brass Tips and Flush Thumb Screw.

Hardened and Tempered Blade.

Inch	6	8	10	12	14
Each	$0 35	40	45	50	55

No. 66, Metallic Handle.

Inch	6	8	10
Each	$0 65	85	95

Sargent Plumbs and Levels.

Carefully Selected Well Seasoned Wood.

Levels—Without Plumb.

No. **80,**	Stained, Nickel Plated Top Plate, Side Views, 12 Inch . . .	. each,	$0 20
No. **186,**	Polished, Arch Top Plate, Side Views, Assorted 10 to 16 Inch	"	50
No. **187,**	" " " " " " " 18 " 24 "	"	60

Plumbs and Levels.

Arch Top Plate.

Polished.

No. **189,**	Side Views	Assd. 12 to 18 Inch, each,		$0 70
No. **189½,**	" "	" 18 " 24 " "		80
No. **190,**	" "	" 24 " 30 " "		90
No. **190½,**	Brass Lipped Side Views	" 24 " 30 " "		1 05
No. **193,**	" " " " Solid Brass Ends .	" 24 " 30 " "		1 60
No. **193½,**	Side Views Tipped	" 24 " 30 " "		1 30

Polished Mahogany.

No. **196,**	Side Views, Tipped	Assd. 12 to 18 Inch, each,		$1 30
No. **191,**	" "	" 24 " 30 " "		1 60
No. **192,**	" " Tipped	" 24 " 30 " "		1 90

Sargent Plumbs and Levels.

Carefully Selected Well Seasoned Wood.

Adjustable Plumbs and Levels.

Arch Top Plate. Assorted 26 to 30 Inch.

Polished.

No. **390½,**	Brass Lipped Side Views	each, $1 30
No. **393,**	" " " " Solid Brass Ends	" 1 60
No. **393½,**	Side Views " " "	" 1 45
No. **394,**	Brass Lipped Side Views, " " " Triple Stock	" 1 90

Polished Mahogany.

No. **391,**	Side Views	each, $1 80
No. **392,**	Brass Lipped Side Views	" 2 10
No. **397,**	" " " " Solid Brass Ends	" 2 50
No. **398,**	" " " " " " " Triple Stock	" 2 90

Adjustable Plumbs and Levels.

Arch Top Plate

Polished.

No. **494,**	Brass Lipped Improved Duplex Side Views, Solid Brass Ends, Triple Stock, Assorted 26 to 30 Inch	each, $2 55
No. **491,**	Side Views, Assorted 24 to 30 Inch	" 1 15

Sargent Plumbs and Levels.

Nos. 208 and 235

Carefully Selected Well Seasoned Wood.

Masons' Plumbs and Levels.

With Iron Plumb Bob. 42 Inch.

Stained.

No. **208,**	Plumb and Level	each, $1 05

Polished.

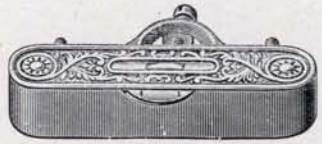
No. **335,**	Adjustable, Arch Top Plate, Side Views, Level and Plumb Glasses	each, $1 60

Masons' Plumbs and Levels. 48 Inch.

No. **435,**	Polished, Proved Level and Plumb Glasses incased in Brass Tubing with movable cover to prevent breaking when not in use	each, $1 80

No. 435

Sargent Pocket Levels.



Nos. 211 and 212

No. **211,** Iron Pocket Levels, 3½ Inches long . . . . . each, $0 15
No **212,** Brass Top Pocket Levels, 3½ Inches long . . . . . " 18

Proved Level Glasses.

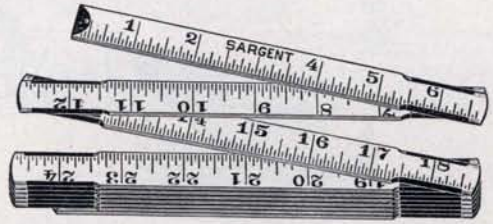
Inch	1	1¼	1½	1¾	2	2½	3	3½	4	Assorted
Each	$0 07	08	09	10	12	14	16	18	20	per dozen, $1 20

Sargent Folding Rules.

Brass Plated Metal Joints and Tips.

Concealed Spring Joints.

With Spring at each Joint to hold the Rule firmly when open.

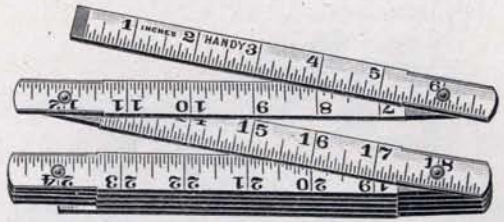


Length	2	3	4	5	6	8 Feet
Yellow, Nos.	**142**	**143**	**144**	**145**	**146**	**148**
Each	$0 20	30	40	50	60	80
White, Nos.	**152**	**153**	**154**	**155**	**156**	**158**
Each	$0 25	40	50	65	75	1 00

Ladd Tool Co.'s

"Handy" Folding Rules.

Metal Joints and Tips.



Length	2	3	4	5	6	8 Feet
Yellow, Nos.	**122**	**123**	**124**	**125**	**126**	**128**
Each	$0 15	20	30	35	40	55
White, Nos.	**132**	**133**	**134**	**135**	**136**	**138**
Each	$0 18	25	35	45	50	70

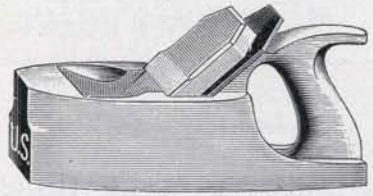
Sargent & Co.'s "U. S." Bench Planes—Warranted.

Extra Bench Planes.

For Sargent & Co.'s Iron and Wood-Bottom Planes see pages to .

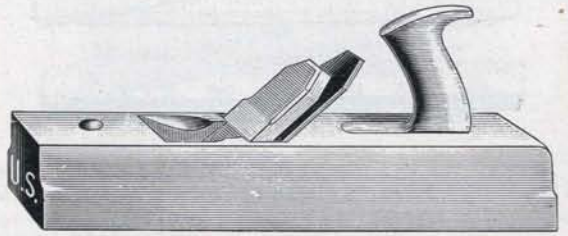
Smooth

		Each
No. **604,**	Smooth, Single Iron, 2, 2⅛, 2¼ Inch Iron, Length, 8 Inches . . .	$1 00



Smooth, Razee Solid Handle

		Each
No. **612,**	Smooth, Double Irons, 1¾, 1⅞, 2, 2⅛, 2¼ Inch Iron, Length, 8 Inches,	$1 30
No. **612½,**	" Razee Solid Handle, Double Irons, 2, 2⅛, 2¼ Inch Iron, Length, 10½ Inches	2 50

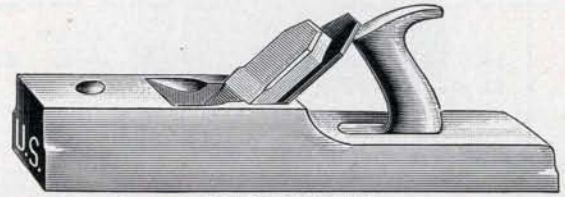


Jack

		Each
No. **605,**	Jack, Single Iron, 2, 2⅛, 2¼ Inch Iron, Length, 16 Inches . . .	$1 20

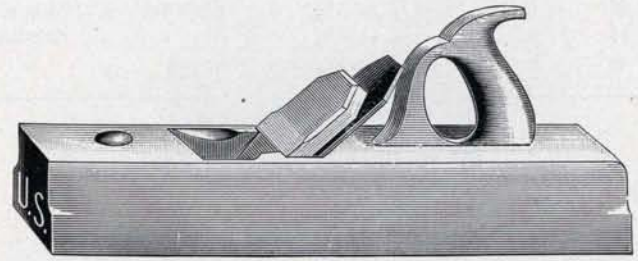
Sargent & Co.'s "U. S." Bench Planes—Warranted.

Extra Bench Planes.



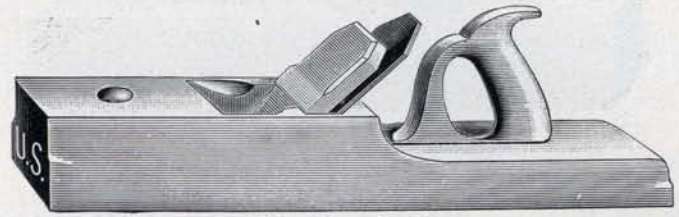
Jack, Razee Handle

		Each
No. **613,**	Jack, Double Irons, 1¾, 2, 2⅛, 2¼ Inch Iron, Length, 16 Inches .	$1 40
No. **613½,**	" Razee Handle, Double Irons, 2, 2⅛, 2¼ Inch Iron, Length, 16 Inches	1 70



Fore

		Each
No. **614,**	Fore, Double Irons, 2⅜, 2½, 2⅝ Inch Iron, Length, 18, 20, 22 Inches,	$2 40
No. **614½,**	" Razee Handle, Double Irons, 2⅜, 2½, 2⅝ Inch Iron, Length, 18, 20, 22 Inches	2 70



Jointer, Razee Handle

		Each
No. **615,**	Jointer, Double Irons, 2½, 2⅝, 2¾ Inch Iron, Length, 24, 26 Inches,	$2 55
No. **615,**	" " " 2½, 2⅝, 2¾ " " " 28 "	2 70
No. **615½,**	" Razee Handle, Double Irons, 2½, 2⅝, 2¾ Inch Iron, Length, 24, 26 Inches	2 90

Sargent & Co.'s "U. S." Bench Planes—Warranted.

Ship Planes.

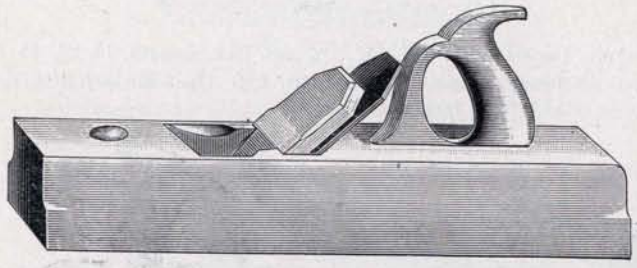
Numbers	Each	Length	Width of Iron	
923	$1 40	9 In.	1¾, 1⅞, 2 In.	Ship Smooth, Double Irons
924	1 70	16 "	1¾, 1⅞, 2, 2⅛ "	" Jack, Razee, " "
925	2 70	22 "	2, 2⅛, 2¼ "	" Fore, " " "
926	3 00	26 "	2¼, 2⅜, 2½ "	" Jointer, " " "
927	4 20	7½ "	.....	Spar Plane, " "

Miscellaneous Planes.

Numbers	Each	Length	Width of Iron	
930	$1 40	7¼ In.	1⅞, 2 Inches	Tooth Plane, Single Iron
931	1 05	9 "	1½ to 1¾ "	Mitre " Square, " "
932	1 05	9 "	1½ " 1¾ "	" " Smooth Shape, " "
934	1 40	9 "	1¾ "	" " " " Double "

Sargent & Co.'s Bench Planes.

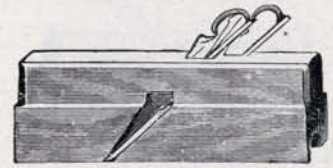
"Kenewa" Planes—Not Warranted.



		Each
No. **600,**	Smooth, Single Iron, 2, 2⅛ and 2¼ Inch Iron, Length 8 In.	$0 85
No. **601,**	Jack, " " 2, 2⅛ and 2¼ Inch Iron, Length 16 In.	1 00
No. **608,**	Smooth, Double Irons, 1¾, 1⅞, 2, 2⅛ and 2¼ Inch Iron, Length 8 In	1 10
No. **609,**	Jack, " " 1¾, 2, 2⅛ and 2¼ Inch Iron, Length 16 In.	1 20
No. **610,**	Fore, " " 2⅜, 2½ and 2⅝ Inch Iron, Length 22 In.	2 05
No. **611,**	Jointer, " " 2½, 2⅝ and 2¾ Inch Iron, Length 24 and 26 In.	2 20
No. **611,**	" " " 2½, 2⅝ and 2¾ Inch Iron, Length 28 In.	2 30
No. **611,**	" " " 2½, 2⅝ and 2¾ Inch Iron, Length 30 In.	2 60

"U. S." Miscellaneous Planes.

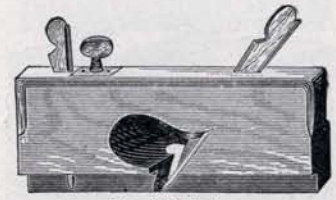
Nosing or Step Planes.



No. 633, Nosing

Numbers	Inch	3-4	7-8	1	1⅛	1¼	1⅜	1½
632, One Iron,	each,	$1 20	1 25	1 30	1 35	1 40	1 50	1 55
633, Two Irons,	"	1 65	1 70	1 75	1 80	1 85	2 10	2 15
633½, Same as No. 633 Handled	each,	2 25	2 30	2 35	2 75	2 80		

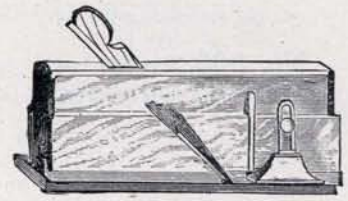
Dadoes.



No. 639, Dado

Numbers	Inch	3-16	1-4	5-16	3-8	1-2	5-8	3-4	7-8	1
638, Brass Side Stop,	each,	$1 65	1 70	1 75	1 80	1 85	1 90	1 95	2 00	2 05
639, Screw Stop,	"	2 25	2 30	2 35	2 40	2 45	2 50	2 55	2 60	2 65

Filletster.

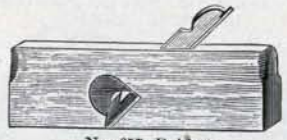


No. 649, Filletster

Numbers		
646,	Filletster	each, $1 65
647,	" with Cutter	2 00
648,	" " " and Brass Side Stop	" 2 20
649,	" " " " " " Boxed	" 2 80
650,	" " " " " Screw Stop, Boxed	" 3 75
651,	" " " " " " " " Handled	" 5 65

"U. S." Miscellaneous Planes.

Rabbet Planes.



No. 657, Rabbet

Numbers	Inch	1-2	5-8	3-4	7-8	1	1⅛	1¼	1½	1¾	2
655, Square,	each,	$0 90	95	1 00	1 05	1 10	..	1 20	1 25	1 30	1 40
657, Skew,	"	90	95	1 00	1 05	1 10	1 15	1 20	1 25	1 30	1 40

		Inch	1	1¼	1½	1¾	2	2¼	2½
659, Skew, Handle and 2 Cutters,	each,	$2 60	2 65	2 70	2 75	2 80	3 00	3 10
660, Skew { Handle and 2 Cutters, / Handle on Side, }	"	2 85	2 90	2 95	3 00	3 05	3 30	3 35

Hollows and Rounds.

No. 663, Hollows and Rounds

No. 663, In Pairs.

The size of the Cutting Bit is just half the size of the circle it will cut. ¼ inch Bit will cut ⅛ inch circle, &c.

Width of Cutting Bit	¼	⅜	½	⅝	¾	⅞	1	1⅛ In.
Numbers	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Per pair	$1 50	1 55	1 60	1 65	1 70	1 75	1 85	1 90

Width of Cutting Bit	1¼	1⅜	1½	1⅝	1¾	1⅞	2 In.
Numbers	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Per pair	$1 95	2 05	2 10	2 15	2 65	2 70	2 80

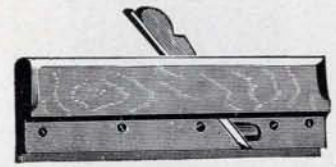
Hollows leave the wood round. Hollows separately, half the above prices.
Rounds " " " hollow. Rounds " " " " "

No. 663, In Sets.

In Sets of 9 pairs, Nos. 1 to 9 inclusive . . . . . per set, $14 25

"U. S." Miscellaneous Planes.

Match Planes.



No. 674, Match Plane

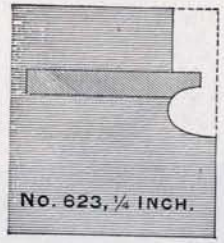
Numbers			
671,	Double One Block	⅜, ½, ⅝, ¾, ⅞ and 1 Inch	each, $2 25
672,	" " " Plated	" " " " " " "	" 2 65
673,	Separate	" " " " " " "	per pair, 2 25
		1¼ and 1½ Inch	" 3 00
674,	Separate, Plated	⅜, ½, ⅝, ¾, ⅞ and 1 Inch	" 2 65
		1¼ and 1½ Inch	" 3 40
675,	Solid Handle, Separate	½, ¾, ⅞ and 1 Inch	" 3 40
		1¼ Inch	" 4 15
676,	Solid Handle, Separate Plated,	¾, ⅞ and 1 Inch	" 3 75
		1¼ and 1½ Inch	" 4 50
678,	Handled, Plank Match, Plated,	1¼ and 1½ Inch	" 3 75
681,	" " "	to work Groove, Screw Arms	" 5 65
682,	" " " " " " "	Plated	" 6 00

Sash Planes.

Screw Arms, Self-Regulating.

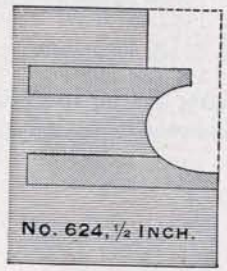
Numbers			
695,	Boxed, Bevel or Ovolo		each, $3 00
695½,	" Gothic or Ogee		" 3 00

"U. S." Moulding Planes.



No. 623, Side Beads, Single Boxed.

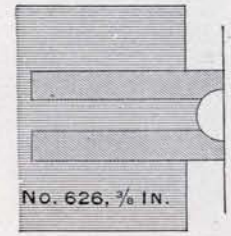
Inch	1-8	3-16	1-4	5-16	3-8	7-16	1-2	5-8	3-4	7-8	1
Each	$0 75	80	85	90	95	1 00	1 05	1 15	1 20	1 30	1 35



No. 624, Side Beads, Double Boxed.

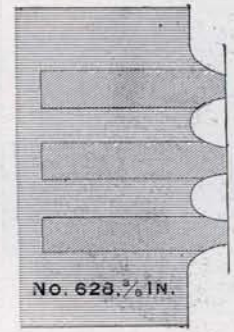
Inch	1-8	3-16	1-4	5-16	3-8	7-16	1-2	5-8	3-4	7-8	1
Each	$0 90	95	1 00	1 05	1 10	1 15	1 20	1 30	1 35	1 45	1 50

"U. S." Moulding Planes.



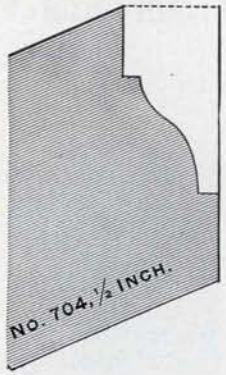
No. 626, Centre Beads, Double Boxed.

Inch	1-8	3-16	1-4	5-16	3-8	7-16	1-2	5-8	3-4
Each	$0 90	95	1 00	1 05	1 10	1 15	1 20	1 30	1 35



No. 628, Reeding Planes.

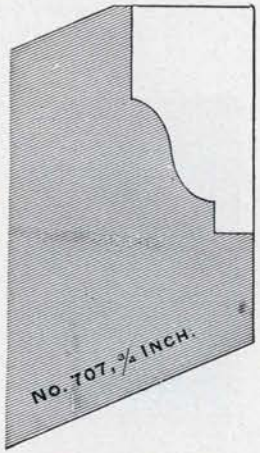
	Inch	1-4	5-16	3-8	1-2
Cutting Two Reeds,	Each	$2 10	2 15	2 20	2 25



No. 704, Plain Ogee.

Inch	1-2	3-4	7-8	1	1¼	1½	1¾	2
Each	$1 00	1 05	1 10	1 15	1 25	1 30	1 50	1 55

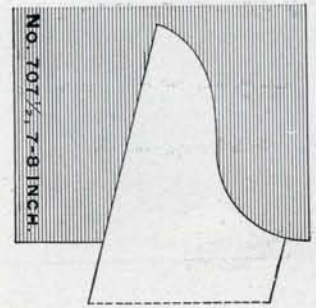
Size given is the width the tool works.



No. 707, Reverse Ogee and Square.

Inch	1-2	5-8	3-4	7-8	1	1¼	1½	1¾	2
Each	$1 15	1 20	1 25	1 30	1 35	1 45	1 50	1 60	1 65

Size given is the width the tool works.

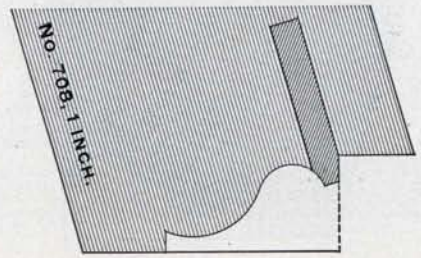


No. 707½, Roman Reverse Ogee, with Fence.

To work on edge.

Inch	3-8	1-2	5-8	3-4	7-8	1	1¼	1½	1¾
Each	$1 20	1 25	1 30	1 40	1 45	1 55	1 65	1 80	1 85

Size given is the width the tool works.

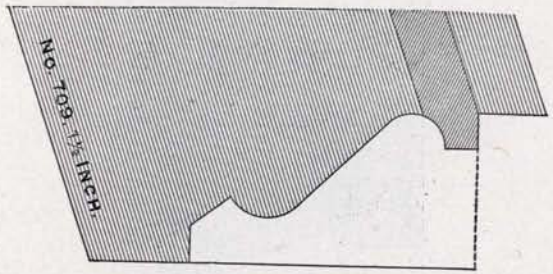


No. 708, Grecian Ogee.

Inch	1-2	3-4	1	1¼	1½	1¾	2
Each	$1 15	1 20	1 25	1 40	1 45	1 65	1 70

Size given is the width the tool works.

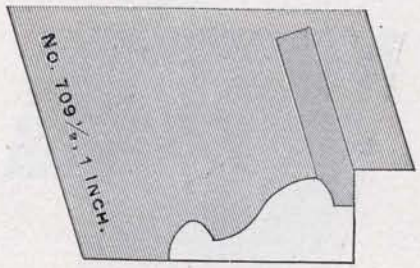
"U. S." Moulding Planes.



No. 709, Grecian Ogee and Bevel.

Inch	1-2	3-4	1	1¼	1½	1¾	2
Each	$1 40	1 45	1 50	1 60	1 65	1 85	1 90

Size given is the width the tool works.

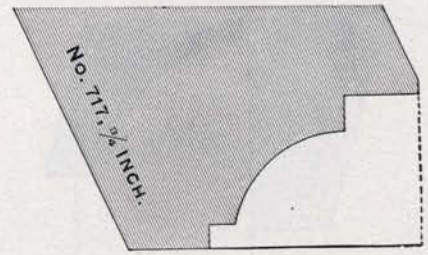


No. 709½, Grecian Ogee and Bead.

Inch	1-2	3-4	1	1¼	1½	1¾	2
Each	$1 40	1 45	1 50	1 55	1 65	1 70	1 75

Size given is the width the tool works.

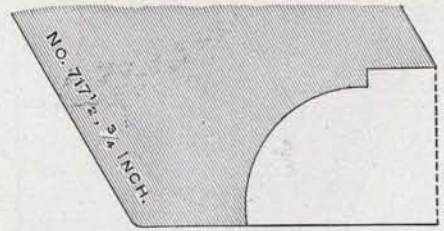
"U. S." Moulding Planes.



No. 717, Scotia, or Quarter Round.

Inch	3-8	1-2	5-8	3-4	7-8	1	1¼
Each	$0 75	80	85	95	1 00	1 05	1 15

Size given is the width the tool works.

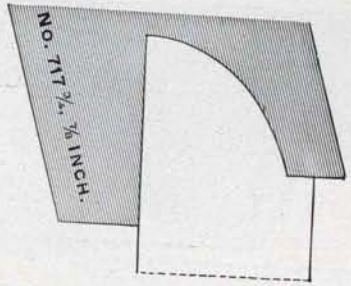


No. 717½, Quarter Round, or Casing.

Inch	3-8	1-2	5-8	3-4	7-8	1	1¼
Each	$0 75	80	85	95	1 00	1 05	1 15

Size given is the width the tool works.

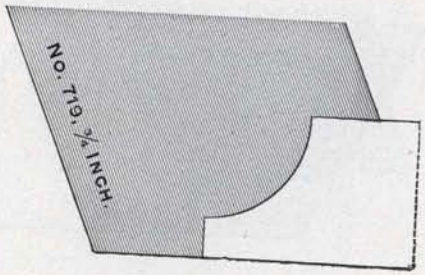
"U. S." Moulding Planes.



No. 717¾, Casing Moulding, With Fence.

Inch	1-2	5-8	3-4	7-8	1	1¼
Each	$1 20	1 25	1 30	1 40	1 45	1 85

Size given is the width the tool works.



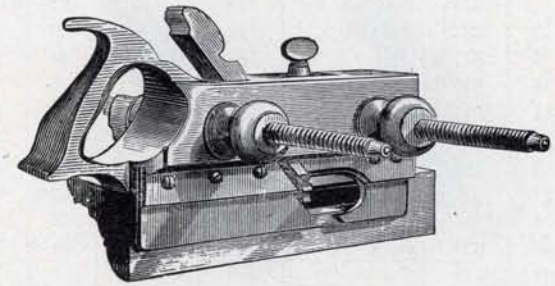
No. 719, Cove.

Inch	1-2	5-8	3-4	7-8	1	1¼
Each	$0 75	80	85	95	1 00	1 15

Size given is the width the tool works.

"U. S." Grooving Plows.

Beechwood.



Without Handles.

No. **730,** Wood Stop, 4 Irons . . . . . each, $6 00
No. **732,** Screw " 8 " . . . . . " 8 30
No. **743,** " " Boxwood Arms, 8 Irons . . . . . " 9 35

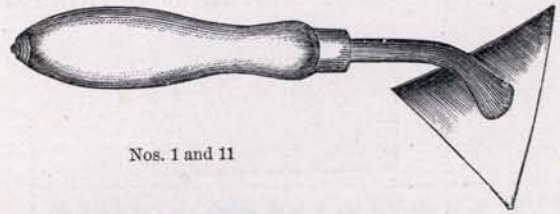
With Handles.

No. **734,** Screw Stop, 8 Irons . . . . . each, $9 75
No. **735,** " " Boxed Fence, 8 Irons . . . . . " 10 25
No. **736,** " " Boxwood Arms, 8 Irons . . . . . " 11 65
No. **738,** " " Boxed Fence, Boxwood Arms, 8 Irons . . . " 12 00

Comparative List of Planes.

Chapin	Sandusky	Ohio	Sargent	Description	Chapin	Sandusky	Ohio	Sargent	Description
100	....	....	600	Smooth	171	99	75	671	Match
101	....	....	601	Jack	172	100	76	672	"
104	1	1	604	Smooth	173	99 & 99½	....	673	"
105	10	12	605	Jack					
108	....	....	608	Smooth	174	....	....	674	"
109	....	....	609	Jack	175	101, 101½	77	675	"
110	....	....	610	Fore	176	102, 102½	78	676	"
111	....	....	611	Jointer	178	104	80	678	"
112	3	3	612	Smooth	181	106	82	681	"
112½	5	5	612½	"	182	106½	84	682	"
113	13	15	613	Jack	195	166	130	695	Sash
113½	15	17	613½	"	195½	167	131	695½	"
114	19	21	614	Fore	204	74	59	704	Ogee
114½	21	23	614½	"	207	96	140	707	"
115	25	27	615	Jointer	207½	82½	62¼	707½	"
115½	27	29	615½	"	208	77	60	708	"
123	47	37	623	Bead	209	79	61	709	"
124	48	38	624	"	209	78	....	709½	"
126	51	41	626	"	217	54	43½	717	Scotia
128	152	122	628	Reeding	217½	54½	43¼	717½	Casing
132	111	90	632	Nosing	217¾	54¾	43⅛	717¾	"
133	113	91	633	"	219	53	43	719	Cove
133½	114	92	633½	"	230	116	94	730	Plow
138	60	47	638	Dado	232	117	95	732	"
139	62	48	639	"	234	119	96½	734	"
146	65	51	646	Filletster	235	120	97	735	"
147	66	52	647	"	236	123	100	736	"
148	67	53	648	"	238	124	101	738	"
149	68	54	649	"	243	121	98	743	"
150	69	55	650	"	423	02	....	923	Ship Smooth
151	....	....	651	"	424	02	....	924	" Jack
155	150	120	655	Rabbet	425	02	....	925	" Fore
157	146	116	657	"	426	02	....	926	" Jointer
159	149	119	659	"	427	045 B	....	927	Spar
160	149	119½	660	"	430	36	30	930	Tooth
163	92	72	663	Hollow & Round	431	38	31 A	931	Mitre
167	94	73	663	"	432	38½	31	932	"
					434	39	31¼	934	"

Box Scrapers.



Nos. 1 and 11

No. 22

Single Handle.

No. **1,** Cast Steel, 3¾ Inch Blade . . . . . each, $0 40
No. **11,** " " 3¼ " " . . . . . " 35

Double Handle.

No. **2,** 4½ Inch Blade, Black Handles, Side Riveted . . . . . each, $0 50
No. **12,** 5 " " White " . . . . . " 55

New Haven Edge Tool Co.'s

Double Handle.

Tang riveted through the handle. Warranted.

No. **22,** Superior Cast Steel, Riveted Tang . . . . . each, $1 45

Sargent V·B·M Cabinet Scrapers.

All Tools bearing the V·B·M stamp are the Very Best Made and can be depended on as being made from the Very Best Tool Steel. They have justly obtained an enviable reputation for excellence of material, temper and workmanship. They are fully guaranteed, and all dealers are authorized to take back or exchange if found defective in any particular.

SARGENT V·B·M

No. 27, Saw Steel, Hand Made.

Edges Finished Ready for Use.

Inch	2×4	2×5	2½×4	2½×5	2½×6	3×4
Each	$0 28	30	32	34	36	38

Inch	3×5	3×6	4×4	4×5	4×6	Assorted
Each	$0 40	42	44	46	50	per doz., $3 20

Sargent Cabinet Scrapers.

No. 25, Saw Steel, Polished.

Inch	2×4	2×5	2½×4	2½×5	2½×6	3×4
Each	$0 08	10	12	14	16	18

Inch	3×5	3×6	4×4	4×5	4×6	Assorted
Each	$0 20	22	25	28	30	per doz., $1 10

Sargent Plane Irons—For Wooden Planes.

No. 33, Single Iron

No. 35, Cut Iron

No. 37, Double Iron

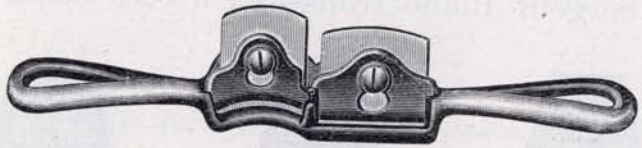
	Inch	1⅛	1⅝	1¾	1⅞	2	2⅛
No. **33**, Single,	each,	$0 30	34	36	38	40	42
No. **35**, Cut,	"	30	34	36	38	40	42
No. **37**, Double,	"	70	75	78	80	82	85

	Inch	2¼	2⅜	2½	2⅝	2¾	3
No. **33**, Single,	each,	$0 46	52	60	65	70	90
No. **35**, Cut,	"	46	52	60	65	70	90
No. **37**, Double,	"	90	95	1 05	1 15	1 30	1 50

Sargent Iron Spokeshaves.

No. **11,** Straight Handle, 9 Inch, 1¾ Inch Cutter . . . . . each, $0 20

No. **12,** Straight Handle, 9 Inch, 1¾ Inch Cutter . . . . . each, $0 25



No. **13,** Double Cutter, Concave and Straight, 10 Inch . . . . . each, $0 35

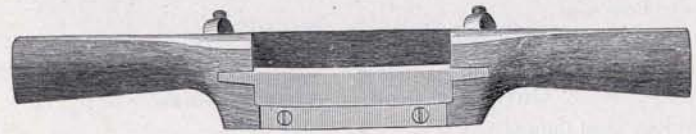
No. **21,** Raised Handle, 10 Inch, 2⅛ Inch Cutter . . . . . each, $0 25

No. **22,** Concave, 9½ Inch, 2⅛ Inch Cutter . . . . . each, $0 25

Sargent Wood Spokeshaves.

No. 80, Plain
No. 85 has a Brass Plate as shown in the Cut below

	Inch	2½	3	3½	4
No. **80,** Beech, Plain . . .	each,	$0 40	45	50	55
No. **85,** " Brass Plate . .	"	50	55	60	65



No. 95, Screw Iron, Brass Plate

	Inch	2½	3	3½	4
No. **95,** Screw Iron, Beech, Brass Plate,	each,	$1 05	1 10	1 15	1 20

Gauges.

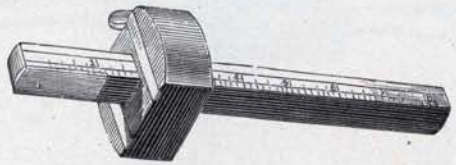
No. 475

Common Marking Gauges, with Inches

Numbers		Each
460,	Square Bar	$0 06
475,	Oval "	08

Oval Head, Steel Point, with Inches

485,	Oval Head and Bar	$0 10
486,	Polished, Oval "	20
487,	" Plated Head, Oval Bar	25
490,	Apple, Oval Head and Bar	20
500,	" Plated Oval Head and Bar	35



No. 505

Oval Head and Bar, with Inches

Brass Thumb Screw, Steel Point

505,	Mahogany or Apple, Plated Head and Bar	$0 45
510,	Box or Rosewood	30
520,	" " " Plated Head and Bar	50

Cutting Gauges, with Inches

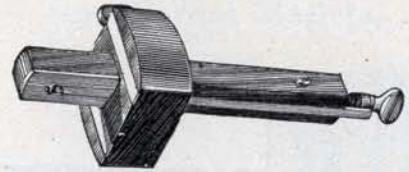
530,	Oval Bar, Steel Cutters	$0 20
540,	Apple, Oval Bar, Steel Cutters	25

Panel Gauges, with Inches

Brass Thumb Screw, Steel Point

550,	Oval Bar	$0 40

Gauges.



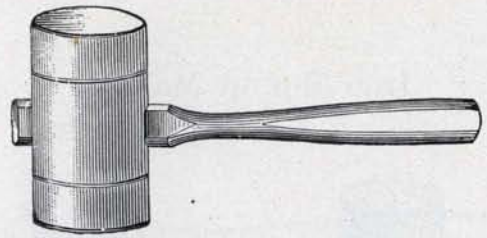
No. 620

Mortise Gauges

Brass Thumb Screw, Steel Points.

Numbers		Each
590,	Mahogany, Plated Head, Thumb Slide	$0 55
595,	" " " and Bar, Thumb Slide	65
600,	" " " Screw Slide	75
610,	Rosewood, " " " "	90
620,	" " " Plated Bar, Screw Slide	1 15
630,	" Full Plated Head and Plated Bar, Screw Slide	1 45

Wood Mallets.



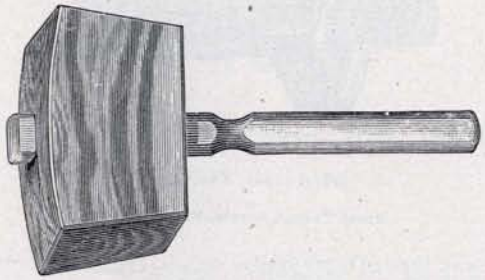
Round Mallets.

			Each
No. **1,**	Hickory,	Size of Head, 5 ×3 Inches	$0 25
No. **2,**	"	" " " 5½×3½ "	30
No. **3,**	"	" " " 6 ×4 "	40
No. **5,**	Lignumvitae	" " " 5 ×3 "	45
No. **6,**	"	" " " 5½×3½ "	60
No. **7,**	"	" " " 6 ×4 "	75

Tinners' Round Mallets.

No. **4,**	Hickory,	Size of Head, 5½×2¼ Inches	$0 15

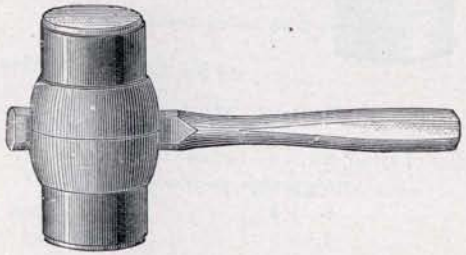
Wood Mallets.



Square Mallets.

			Each
No. **8,**	Hickory,	Size of Head, 6 ×2½×3½ Inches	$0 30
No. **9,**	"	" " " 6½×2¾×3¾ "	40
No. **10,**	"	" " " 7 ×3 ×4 "	45
No. **11,**	Lignumvitae	" " " 6 ×2½×3½ "	60
No. **12,**	"	" " " 6½×2¾×3¾ "	75
No. **13,**	"	" " " 7 ×3 ×4 "	90

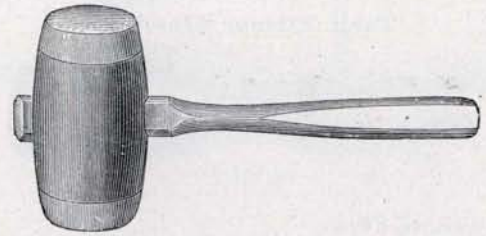
Iron Bound Mallets.



Iron Ring Mallets.

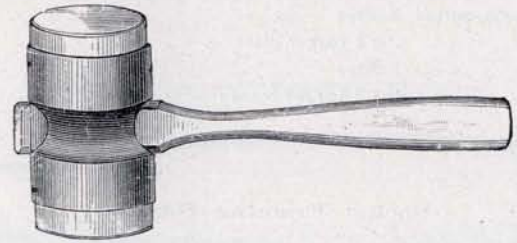
		Each
No. **14,**	Hickory with Iron Rings, Size of Head, 6 ×4 Inches	$0 85
No. **14½,**	" " " " " " " 5½×3½ "	60

Iron Bound Mallets.



Round Iron Mallets.

		Each
No. **15,**	Iron with Hickory Ends, Size of Head, 4×2½ Inches	$0 60



Iron Socket Mallets.

		Each
No. **16,**	Heavy Malleable Socket, Hickory Ends, Size of Head, 5½×3 Inches	$1 15

Chisel Handles.

Leather Head.

Tang Firmer Handles.

No. 32 L &c.

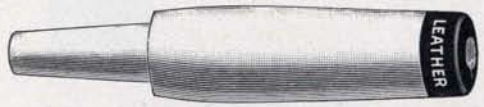
No. **32 L,** Hickory, Assorted, 5 Sizes . . . . . each, $0 09
No. **35 L,** " " the 2 Larger Sizes . . . . . " 10
No. **42 L,** Apple, " 5 Sizes . . . . . " 13

Socket Firmer Handles.

No. 54 L &c.

No. **54 L,** Hickory, Assorted, 3 Sizes . . . . . each, $0 07
No. **55 L,** " " the 2 Larger Sizes . . . . . " 08
No. **64 L,** Apple, " 3 Sizes . . . . . " 09
No. **65 L,** " " the 2 Larger Sizes . . . . . " 11

Socket Framing Handles.



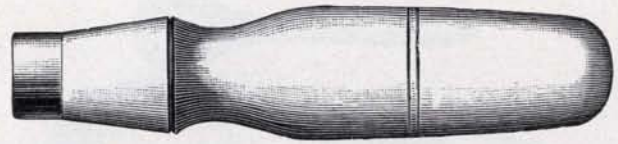
No. 74 L

No. **74 L,** Hickory, Assorted, 3 Sizes . . . . . per dozen, $1 05

Chisel Handles.

Plain.

Firmer Handles—Hickory.



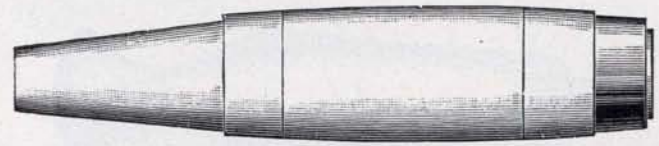
Numbers	31	33	35
Assortment	6 Sizes	The 4 Larger Sizes	The 2 Larger Sizes
Per dozen	$0 40	45	55

Numbers	36	37	38
Assortment	The Largest Size used in Assortment	Extra Large	Largest Size Made
Each	$0 05	06	07

Socket Firmer Handles—Hickory.

Numbers	51	53	55	56
Assortment	6 Sizes	The 4 Larger Sizes	The 2 Larger Sizes	The Largest Size used in Assortment
Per dozen	$0 32	34	36	Each, $0 04

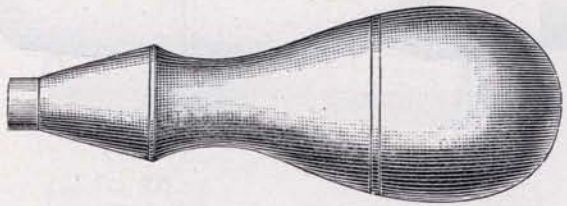
Socket Framing Handles—Hickory.



Numbers	70½	71	73
Assortment	The 4 Smaller Sizes	6 Sizes	The 4 Larger Sizes
Per dozen	$0 50	52	55

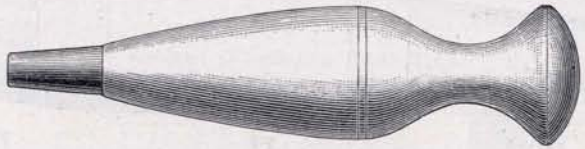
Numbers	75	76
Assortment	The 2 Larger Sizes	The Largest Size used in Assortment
Per dozen	$0 60	Each, $0 05

Brad Awl Handles.



No. **30,** Brass Ferrule, Assorted (Sizes 4⅛, 4½, 3¾ and 3⅝ Inches) . per dozen, $0 30

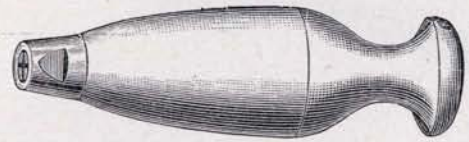
Awl Hafts.



No. **21,** Sewing Awl Hafts, Brass Ferrule . . . . . each, $0 03

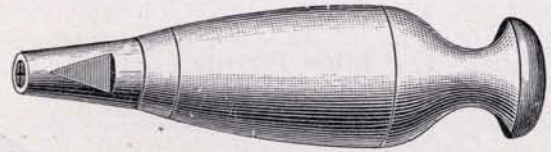
Patent Awl Hafts.

Wrench for Patent Hafts



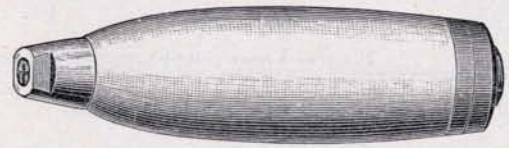
No. 46, Sewing Awl Haft

No. **46,** Short Nut, Sewing Haft . . . . . each, $0 10



No. 47, Sewing Awl Haft

No. **47,** Long Nut, Sewing Haft . . . . . each, $0 30



Peg Awl Haft

No. **49,** Peg Hafts, Plain Top . . . . . each, $0 08
No. **50,** " " Leathered Top . . . . . " 12
No. **51,** " " " " . . . . . " 10

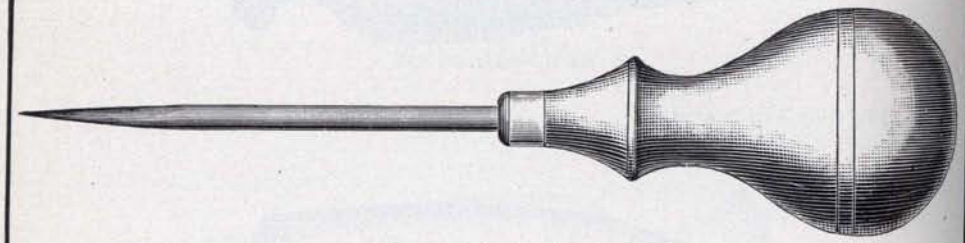
Sargent Socket Scratch Awls.

Half Size of No. 15

No. **15,** Cast Steel, Socket . . . . . each, $0 20

Sargent Handled Scratch Awls.

Brass Ferrule.



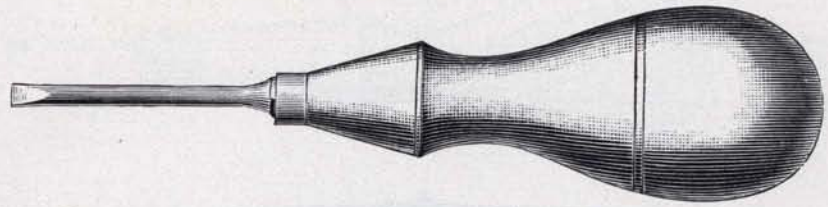
Extra Cast Steel.

No. **210,** Extra Cast Steel, Applewood Handle, Length 6⅜ Inches . . . each, $0 10

Cast Steel.

No. **0,** Cast Steel, Length 5⅞ Inches . . . . . each, $0 05
No. **1,** " " Large, Length 6⅝ Inches . . . . . " 08

Sargent Handled Brad Awls.



No. **12,** Assorted, Brass Ferrule, Maple Handle, 1, 1⅛, 1¼, 1⅜ and 1½ Inch Shanks . . . . . per dozen, $0 70
No. **14,** Assorted, Large, Brass Ferrule, Maple Handle, 1½, 1⅝, 1¾, 1⅞ and 2 Inch Shanks . . . . . " 80

Sargent Brad Awls.

Nos. 32, 33 and 34

No. **32,** Assorted Small . . . . . per dozen, $0 30
No. **33,** Full Assortment . . . . . " 35
No. **34,** Assorted Large . . . . . " 45

Sargent Peg Awls.

Nos. 141, 40 and 41

Patent Peg Awls.

No. **141,**	Assorted	per dozen,	$0 06
No. **41,**	"	"	08
No. **40,**	" Extra Polished	"	10

No. 43

Shouldered Peg Awls.

No. **43,**	Assorted	per dozen,	$0 30

Sargent Sewing Awls.

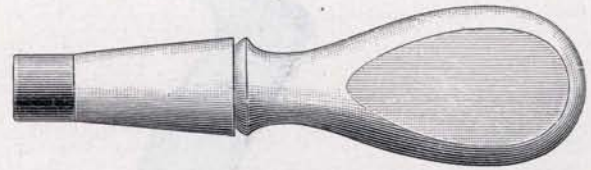
No. 51, Patent Sewing Awl

No. 53, Sewing Awl

No. 55, Saddlers' Awl

No. **51,**	Patent Sewing Awls, Assorted	per dozen,	$0 18
No. **53,**	Sewing Awls "	"	20
No. **55,**	Saddlers' Awls "	"	20

Screw Driver Handles.



No. **11,**	Beech Wood, Brass Ferrule, Assorted 7 Sizes	per dozen,	$0 70
No. **17,**	" " " " " the 2 Larger Sizes only	"	80
No. **18,**	" " " " the Largest Size only	each,	08

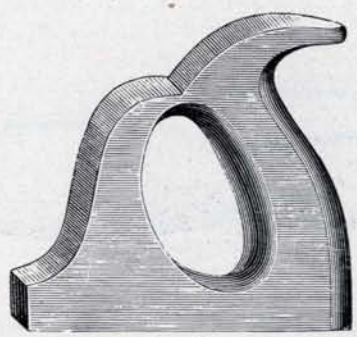
File Handles.

No. **21,**	Bass Wood, Brass Ferrule, Assorted 4 Sizes	per dozen,	$0 25
No. **23,**	" " " " " the 2 Larger Sizes only	"	30
No. **24,**	" " " " the Largest Size only	each,	03

Plane Handles.

No. 10

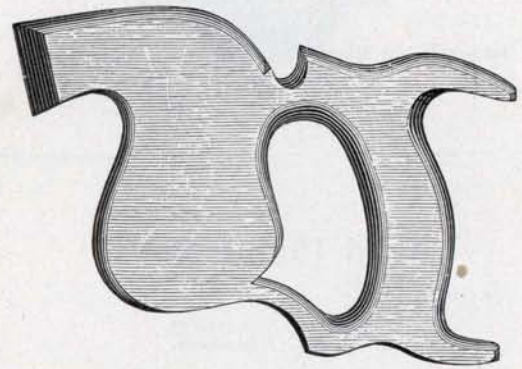
No. **10,** Jack Plane Handles . . . . . each, $0 05



No. 12

No. **12,** Jointer Plain Handles . . . . . each, $0 10

Saw Handles.



No. **2,**	Plain Beech	each,	$0 15
No. **3,**	Polished and Varnished	"	16
No. **3 R,**	" " " for Rip Saws	"	18
No. **18,**	" " " for Panel Saws	"	15
No. **25,**	Extra Polished and Varnished	"	20
No. **102,**	Polished and Varnished	"	15
No. **103,**	Plain	"	12

Sargent Brass Plumb Bobs.

Cast Brass, Steel Pointed, Screw Top.

Nos. 5 to 8. Half Size of No. 6

No. **5,**	Cast Brass,	Hardened	Cast Steel	Point,	Weight	6	ounces	each	.	.	each,	$0	45
No. **6,**	"	"	"	"	"	"	"	11½	"	"	.	"		60
No. **8,**	"	"	"	"	"	"	"	16	"	"	.	. "		70

Lead Plumb Bobs.

Steel Pointed.

Nos. 3 and 4. Half Size of No. 4

No. **3,**	Weight	12	ounces	each	.	.	.	.	.	.	.	each,	$0	40
No. **4,**	"	1¼	pounds	"	.	.	.	.	.	.	.	"		50

Lead Plumb Bobs.

Masons'. With Hole running through.

Nos. 14 to 18. Half Size of No. 16

No. **14,**	Weight	1	pound	each	.	.	.	.	.	.	.	each,	$0	30
No. **16,**	"	2	"	"	.	.	.	.	.	.	.	"		55
No. **18,**	"	3	"	"	.	.	.	.	.	.	.	"		75

Masons' Wired.

Nos. 13 and 15. Half Size of No. 15

No. **13,**	Weight	1	pound	each	.	.	.	.	.	.	.	each,	$0	40
No. **15,**	"	2	"	"	.	.	.	.	.	.	.	"		65

Iron Plumb Bobs.

Staple Top.

Half Size of No. 1

No. **1,** Weight 9 ounces each . . . . . each, $0 08

Adjusted Top.

Nos. 2 and 12. Half Size of No. 2

No. **2,** Weight 9½ ounces each . . . . . each, $0 09
No. **12,** " 11½ " " . . . . . " 10

Iron Plumb Bobs.

Adjusted Top.

Nos. 00 and 0. Half Size of No. 0

No. **00,** Weight 1 pound 2 ounces each . . . . . each, $0 16
No. **0,** " 2 " 10 " " . . . . . " 35

Iron Plumb Bobs.

Extra Heavy.

Adjusted Top.

Nos. 21 to 24. Half Size of No. 24

No. **21,**	Weight 1 pound each	. . . . .	each,	$0	14
No. **22,**	" 2 " "	. . . . .	"		22
No. **23,**	" 3 " "	. . . . .	"		30
No. **24,**	" 4 " "	. . . . .	"		45

Iron Plumb Bobs.

Adjusted Top.

Nos. 28 to N31. Half Size of Nos. 31 and N31

Japanned.

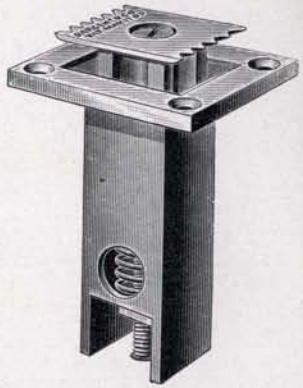
No. **28,**	Weight 6 ounces each	. . . . .	each,	$0	07
No. **30,**	" 12 " "	. . . . .	"		09
No. **31,**	" 18 " "	. . . . .	"		15

Nickel Plated.

No. **N28,**	Weight 6 ounces each	. . . . .	each,	$0	14
No. **N30,**	" 12 " "	. . . . .	"		18
No. **N31,**	" 18 " "	. . . . .	"		25

Bench Hooks.

Half Size of No. 21

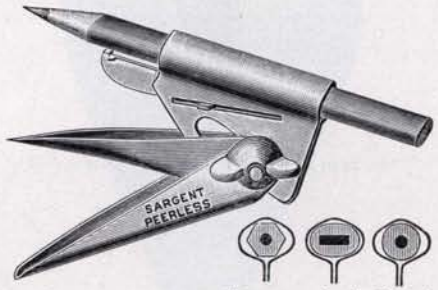


Half Size of No. 41. Patented March 17, 1885

No. **21,** Polished Steel Face . . . . . each, $0 50
No. **41,** " " " . . . . . " 50

Sargent "Peerless" Scriber.

Patent applied for.



Hexagon. Oval. Round.

Half Size of No. 30 &c. Will hold all pencils equally well.

Broad point to prevent scratching plaster walls, fine woodwork, etc., and also to use as a protector to the pencil point. It can be moved out of the way.

Sharp point for compass use and for entering into quirks, mouldings, etc., in scribing.

Pencil holder which will hold round, hexagon or carpenters' oval pencils equally well.

Put pencil in scriber at the top, drop it down to the length desired, place pencil against lever and slide the pencil backwards, and it will be held rigidly. To remove the pencil, force it backwards.

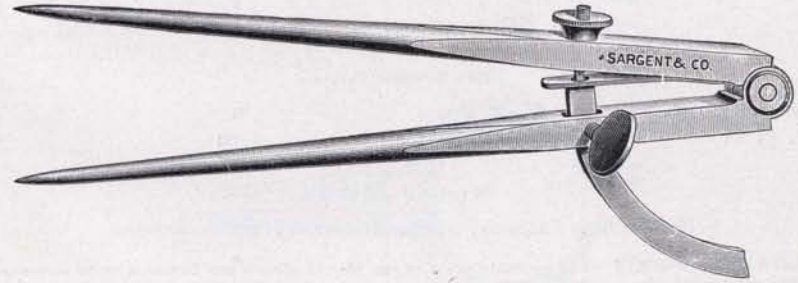
No. **30,** Bright Finish . . . . . each, $0 40
No. **35,** Nickel-Plated . . . . . " 50

Sargent Compasses.

No. 40, Cast Steel.

Inch	3	4	5	6	7	8	9	10	12
Each	$0 15	15	16	18	22	25	30	33	36

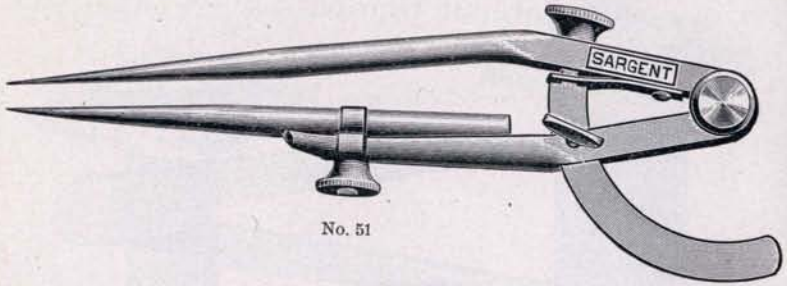
Sargent Dividers.



No. 50 Cast Steel.

Inch	5	6	7	8	9	10	12	15	18
Each	$0 25	25	30	33	42	45	55	82	1 15

Sargent Extension Dividers.

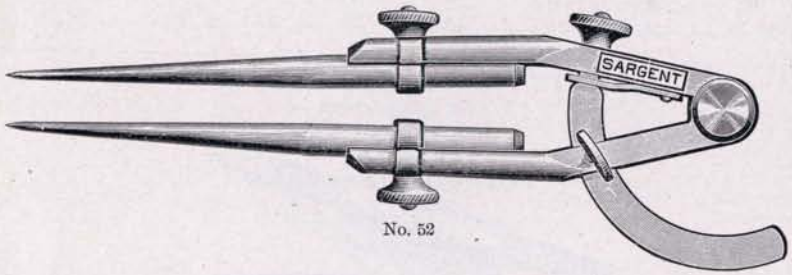


No. 51

No. 51, Cast Steel, Polished.

One Movable Point.

Inch	6	7	8	10
Each	$0 75	85	95	1 00



No. 52

No. 52, Cast Steel, Polished.

Two Movable Points.

Inch	6	7	8	10
Each	$0 85	95	1 00	1 10

Nickel Plated.

Nickel Plated Extension Dividers furnished at additional prices.

EXTENSION POINTS:—The movable point of the No. 51 allows the Dividers to be extended for scribing very large circles. The two movable points of the No. 52 allow a greater extension, so that a 6 inch will scribe the same as a 7 inch of the No. 51, and so on as per list below:

Dividers . . Inch	6	7	8	10
No. 51 will scribe a circle of	17	20	22	30 In.
No. 52 " " " " "	20	22	27	35 "

LEAD PENCIL POINTS:—Instead of the movable point, any ordinary size lead pencil can be substituted.

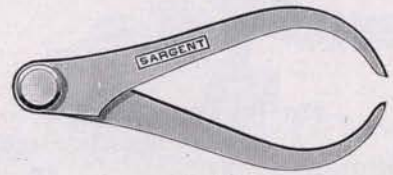
Sargent Inside and Outside Calipers.

No. 262

No. 262, Inside Calipers.

Inch	2½	3	4	5
Each	$0 13	13	15	18

Inch	6	7	8	10	12
Each	$0 20	25	30	36	45

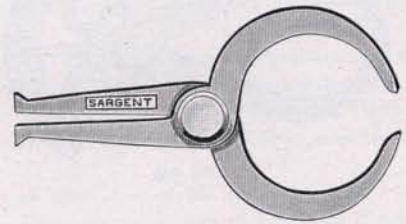


No. 263

No. 263, Outside Calipers.

Inch	2½	3	4	5
Each	$0 13	13	15	18

Inch	6	7	8	10	12
Each	$0 20	25	30	36	45

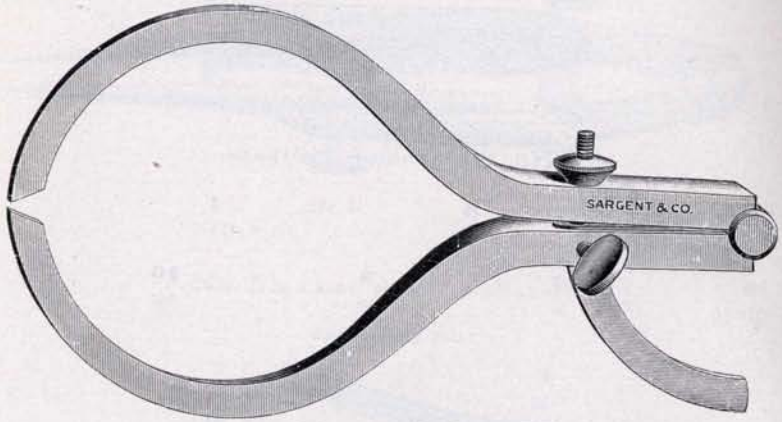


No. 265

No. 265, Double Calipers, Both Inside and Outside.

Inch	3	4	5	6
Each	$0 16	20	25	30

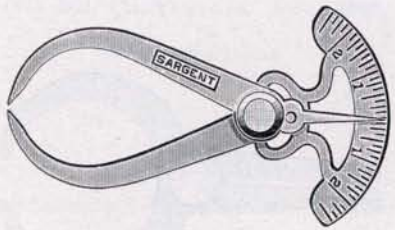
Sargent Calipers.



No. 60, Cast Steel.

Inch	6	8	10	12
Each	$0 32	42	50	60

Sargent Self-Registering Calipers.



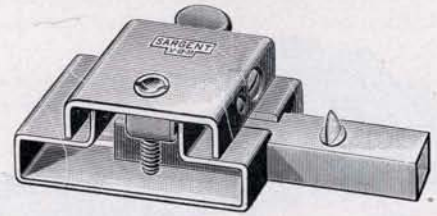
No. 165

No. 165, Both Inside and Outside.

Nickel Plated, With Set Screw.

Inch	3	4	5	6
Each	$0 50	65	80	95

Sargent V·B·M
Wrought Butt Gauge.



No. 11, Butt Gauge . . . . . each, $1 10

Sargent V·B·M Adjustable Butt Gauge No. 11 is of steel and will not break. It is highly polished nickel plated.

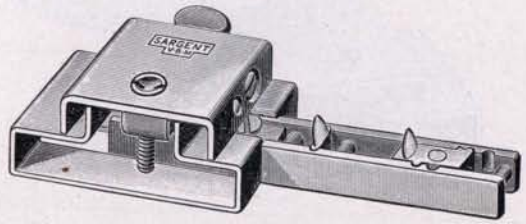
Gauge No. 11 may be used as a Depth Gauge in determining the thickness of Butts and marking for cuts. One half a turn of the screw on the top surface marked "Depth Gauge" is equivalent to 1-64 inch. For gauging Butts, the upper Spur is to be used in general as a marking gauge, while the lower or Rabbet Spur should be used in rabbet work as a marking gauge.

The Spur on the top may also be used for accurate marking for one side of a mortise Lock and the Spur on the under side for one side of a Striking Plate, in connection with each other.

The Depth Gauge may also be used for beading purposes.

One turn of the thumb screw loosens or locks the Depth Gauge and also the bar. To use the Gauge first loosen the thumb screw before adjusting for clearance and then regulate for clearance for the door and rabbet. The opening marked "clearance" exactly corresponds with the clearance of the door from the stop.

Sargent V·B·M
Steel Hardware Mortising Gauge.



No. **22,** Mortising Gauge . . . . . each, $1 60

Sargent V·B·M Hardware Mortising Gauge No. 22 is of highly polished nickel plated steel. It will not break. No. 22 has the same features as the No. 11 Butt Gauge with the additional feature that it may be used in mortising Locks, Striking Plates, Flush Bolts, and as a mortising Gauge.

One turn of the thumb screw loosens or locks the depth gauge, and also the bar. To use the Gauge, first loosen the thumb screw before adjusting for clearance and then regulate for clearance for the door and rabbet. The opening marked "clearance" exactly corresponds with the clearance of the door from the stop.

Note that there are two Spurs above and two below. In using this Gauge for Butts as No. 11 the outer Spur on top of bar should be depressed below the surface of the bar by the Machine Screw. This applies as well to the lower or rabbet inside spur. To adjust the latter remove the bar from the main body.

For mortising Locks raise the two Spurs depressed as mentioned to the surface at the distance required to get the proper mortise.

Sargent Pipe and Auto Wrenches.

Brosnihan's Patent, September 4, 1900.

This is the strongest and best Pipe Wrench made. Adjusted and operated by one hand, leaving the other free to hold and guide the pipe. The firmest and surest grip, having two of the most powerful attachments known, the Wedge and Screw.

The movable wedge or sleeve jaw being held against the pipe by a spring, grasps it instantly on the downward movement of the handle bar, doing away with all lost motion.

It can be set so that it will not crush thin pipe. It can readily be released and removed from the work.

The jaws are made of tool steel, hardened and tempered in oil. Bar, sleeve and screw are case-hardened by a special process.

Wood Handle Wrench

No. 55, Wrenches.

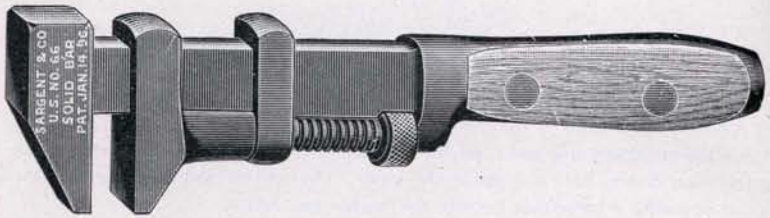
WOOD HANDLE	8	10	12 In.	STEEL HANDLE	18 In.
Each	$1 10	1 65	2 20		2 70

Extra Steel Jaws.

	For 8	10	12	18 In.
BAR JAWS	each, $0 20	30	40	70
SLEEVE JAWS	" 30		70	90

Sargent Solid Steel-Bar Wrenches.

This Wrench is extra strong and well proportioned. The solid bar is forged from one piece of steel from end to end and is case-hardened; it will not break at the point opposite the thumb-screw nor elsewhere. Every Wrench fully warranted.



No. 66, Solid Steel Bar.

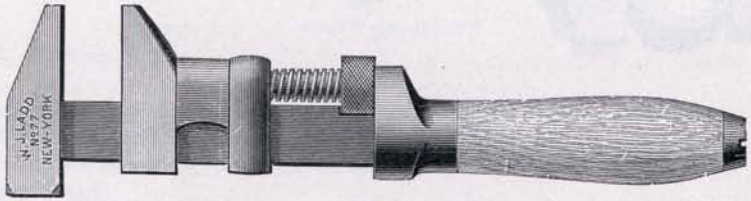
Black.

Inch	6	8	10	12	15	18	21
Each	$0 65	75	85	1 00	1 75	2 15	2 60

Bright.

Inch	6	8	10	12	15	18	21
Each	$0 75	85	1 00	1 15	1 85	2 30	2 75

Ladd Coes Pattern Wrenches.



No. 77, Wrought Bar.

Black.

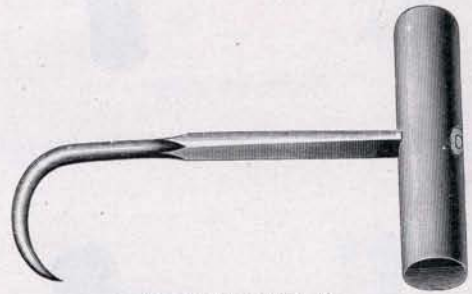
Inch	6	8	10	12	15
Each	$0 35	40	50	60	85

Bright.

Inch	6	8	10	12	15
Each	$0 40	50	55	70	1 00

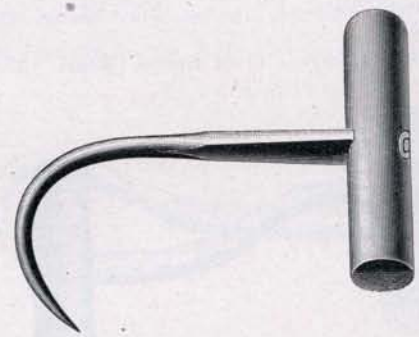
Cast Steel Cotton, Box and Hay Hooks.

Measurements Include Handle.



Quarter Size of No. 10

No. **10,** 9 Inches, White Handle, Beech. Square ⅜ Inch Stock . . . each, $0 18



Quarter Size of No. 11

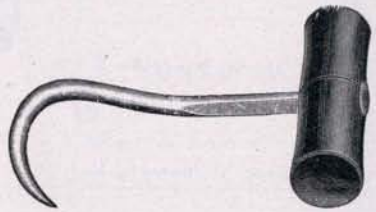
No. **11,** 7¾ Inches, White Handle, Beech. Square ⅜ Inch Stock . . . each, $0 20

Cast Steel Cotton, Box and Hay Hooks.

Measurements Include Handle.

Quarter Size of No. 1

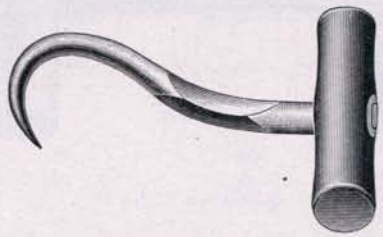
No. **1,** Polished, Tempered, 6 Inches, Black Handle, Maple. Round 11/32 Inch Stock . . . . . each, $0 25



Quarter Size of Nos. 0 and 2.

No. **0,** New Orleans Pattern, Tempered, 7 Inches, White Handle, Maple. Round 3/8 Inch Stock . . . . . each, $0 22

No. **2,** Polished, Tempered, 7 Inches, Black Handle, Maple. Round 3/8 Inch Stock . . . . . each, $0 30

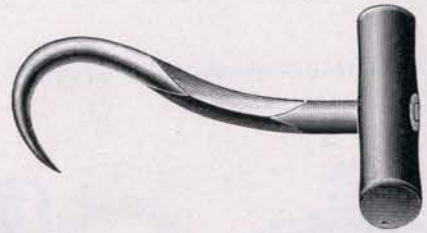


Quarter Size of No. 13

No. **13,** Polished, Tempered, 7½ Inches, White Handle. Square 3/8 Inch Stock each, $0 28

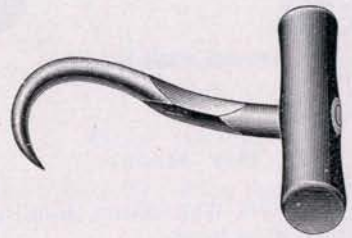
Cast Steel Cotton, Box and Hay Hooks.

Measurements Include Handle.



Quarter Size of No. 15.

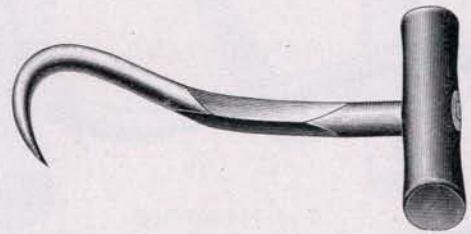
No. **15,** Polished, Tempered, 9¾ Inches, White Handle. Square 3/8 Inch Stock . . . . . each, $0 35



Quarter Size of No. 213.

"Whitney" Cotton Hooks.

No. **213,** Polished, Tempered, 7¼ Inches, White Handle . . . . each, $0 28



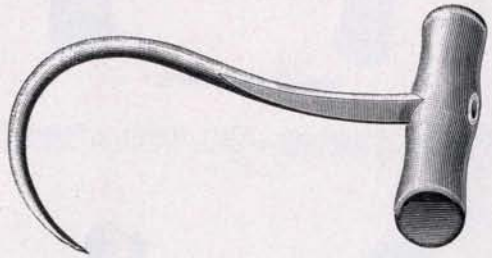
Quarter Size of No. 215.

"Whitney" Cotton Hooks.

No. **215,** Polished, Tempered, 9½ Inches, White Handle . . . . each, $0 35

Cast Steel Cotton, Box and Hay Hooks.

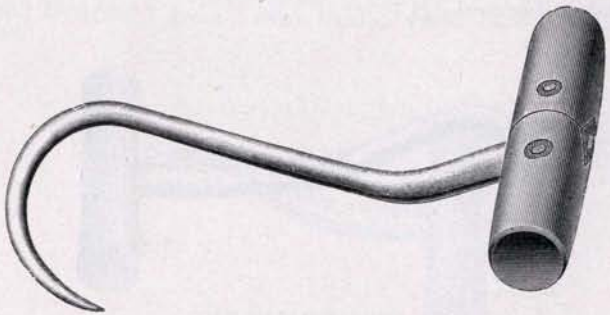
Measurements Include Handle.



Quarter Size of Nos. 14 and 114

Hay Hooks.

No. **14,** Polished, Tempered, 9 Inches, White Handle, Round ⅜ Inch Stock, each, $0 35
No. **114,** Forge Finish, 9 Inches, White Handle . . . . . " 32



Quarter Size of No. 18

No. **18,** Polished, Tempered, 12½ Inches, Black Handle, Round 7/16 In. Stock, each, $0 50

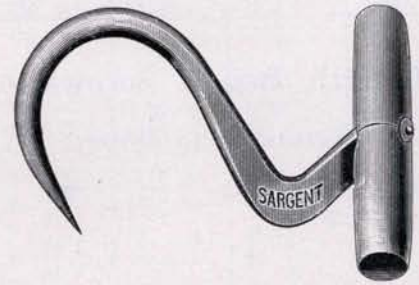
Cast Steel Cotton, Box and Hay Hooks.

Measurements Include Handle.

Quarter Size of No. 23

Extra Heavy.

No. **23,** Forge Finish, Tempered, 6¾ Inches, White Handle, Hickory Octagon ⅜ Inch Stock . . . . . each, $0 35



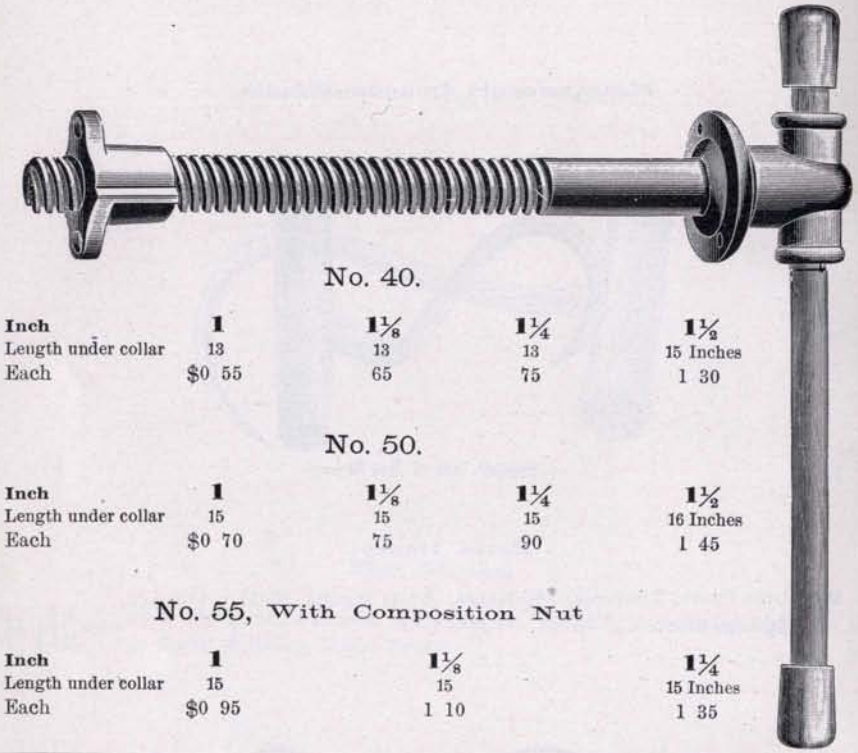
Quarter Size of No. 25

Extra Heavy.

No. **25,** Forge Finish, Tempered, 8¼ Inches, White Handle, ½ Inch Stock . each, $0 40

Bench Screws.

Wrought Iron, Double Thread, Movable Collar. Wood Handle.



No. 40.

Inch	1	1⅛	1¼	1½
Length under collar	13	13	13	15 Inches
Each	$0 55	65	75	1 30

No. 50.

Inch	1	1⅛	1¼	1½
Length under collar	15	15	15	16 Inches
Each	$0 70	75	90	1 45

No. 55, With Composition Nut

Inch	1	1⅛	1¼
Length under collar	15	15	15 Inches
Each	$0 95	1 10	1 35

Extra Length Bench Screws—To Order

Furnished to Order.

	Length under collar	18	20	24 Inch
No. 50, 1 Inch	each,	$0 95	1 10	1 15
1⅛ "	"	1 10	1 15	1 25
1¼ "	"	1 25	1 40	1 55
1½ "	"	2 10	2 20	2 30

	Length under collar	18	20	24 Inch
No. 55, 1 Inch	each,	$1 15	1 25	1 40
1⅛ "	"	1 40	1 55	1 65
1¼ "	"	1 75	1 90	1 95

Jack Screws.

Wrought Iron Screw, Painted Black.

Without Steel Bar.

Numbers	Price Each	Diameter of Screw	Height of Barrel	Height Screwed Down	Total Rise of Screw	Whole Height	Weight
210	$2 10	1½ Inch	7⅛ Inch	10½ Inch	4½ Inch	15 Inch	16½ lbs.
212	2 35	1½ "	9⅛ "	12½ "	7¼ "	19½ "	19½ "
214	2 55	1½ "	10¼ "	13½ "	8½ "	22 "	22 "
216	2 85	1½ "	12⅛ "	15½ "	10⅛ "	25½ "	23½ "
312	2 70	1¾ "	9 "	12½ "	7 "	19½ "	24½ "
314	2 85	1¾ "	10⅛ "	13½ "	8 "	21½ "	25½ "
316	3 20	1¾ "	12⅛ "	16 "	10⅛ "	26 "	30 "
412	3 45	2 "	8½ "	12 "	5 "	17 "	27½ "
414	3 75	2 "	10½ "	14 "	7 "	21 "	33 "
416	4 35	2 "	12 "	16 "	9 "	25 "	36 "
420	4 90	2 "	16 "	20 "	13 "	33 "	49 "

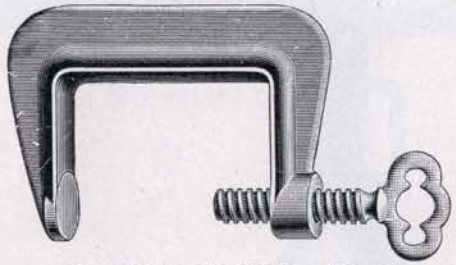
With Steel Bar.

The above Jack Screws can be furnished with Steel Bar.
In ordering be particular to specify "With Bar."

For Steel Bar add . . . . . each, $0 40

Cabinet Makers' or Quilt-Frame Clamps.

Japanned.

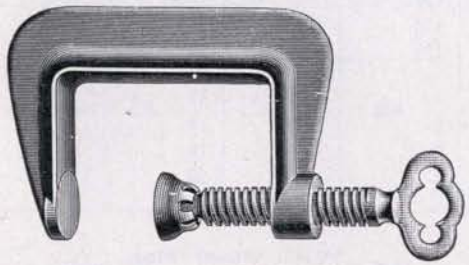


Nos. 1, 2, 2½ and 3. Half Size of No. 2

No. **1,**	Opens 2¼ Inches	. . . . .	. . . . .	each,	$0 05
No. **2,**	" 2¼ "	Heavy	. . . . .	"	06
No. **2½,**	" 2½ "	"	. . . . .	"	07
No. **3,**	" 3⅞ "	"	. . . . .	"	10

Japanned.

Ball and Socket Head on Screw.



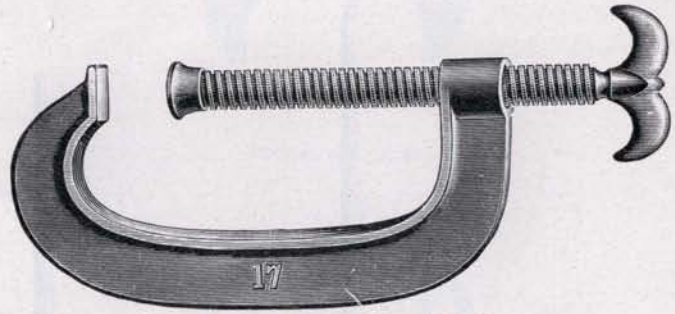
Nos. 32 and 33. Half Size of No. 32

No. **32,**	Opens 1⅞ Inches	. . . . .	each,	$0 08
No. **33,**	" 2¾ "	. . . . .	"	09

Carriage Makers' Clamps.

Malleable Iron.

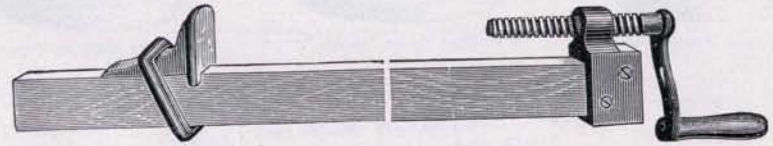
Swivel Head on Screw.



Nos. 12 to 22. Quarter Size of No. 17

Numbers	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**22**
Opens	2⅛	3	4	5	6	7	8	9	10	12 Inches
Each	$0 20	22	30	40	50	60	75	85	90	1 20

Door Clamps.



No. 10. Whole Length 4 Feet

Irons Only.

No. **5,** Japanned (Irons only), Not Mounted . . . . . each, $1 20

Complete as per Cut.

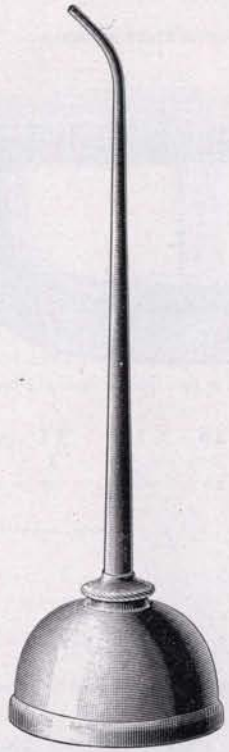
No. **10,** Japanned, Mounted, 4 feet of 1⅜×3 Inch Wood . . . . each, $1 75

Sargent Anti-Rust Heavy Steel Oilers.

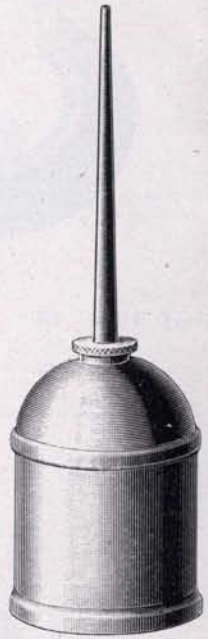
Copperized Both Inside and Outside.

All nozzles are interchangeable and will fit any size Oiler.

Straight Spout Oilers



Bent Spout Oilers

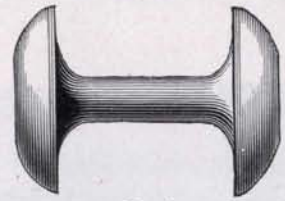


Mowing Machine Oilers

Nos.	Each	Diameter × Length of Spout	Steel Spring Bottoms
12	$0 14	2¾×2½	Copperized, Straight Spout
13	16	3⅜×3	" " "
13 A	18	3⅜×5	" " "
14 A	23	3¾×3	" " "
14 AA	24	3¾×5	" " "
15	26	4⅛×3	" " "
15 A	30	4⅛×5	" " "

Nos.	Each	Diameter × Length of Spout	Steel Spring Bottoms
14	$0 20	3⅜×9	Copperized, Bent Spout
14 B	26	3¾×9	" " "
16	35	4⅛×9	" " "
			Mowing Machine Oilers
600	26	2¾×5	Copperized, Straight Spout

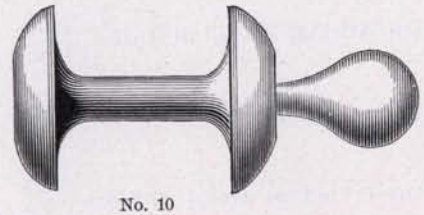
Chalk Line Reels.



No. 1

Without Awl.

No. **1,** Without Awl . . . . . each, $0 05



No. 10

With Awl.

No. **10,** With Awl . . . . . each, $0 10

Prepared Chalk.

Half Spheres.

	White	Red	Blue
Per dozen			

White Chalk Crayon.

White Chalk Crayon . . . . . per dozen,

Sargent Carpenters' Pencils.

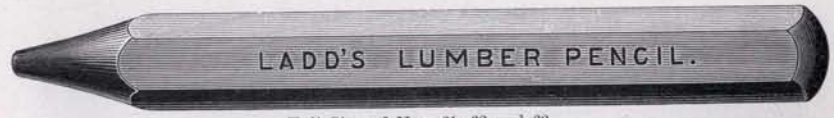
No. 20, White Wood, Blue Stamp.	Inch 7	9
	Each, $0 05	06
No. 30, Finished Cedar, Gilt Stamp.	Inch 7	9
	Each, $0 08	09
No. 35, Polished Cedar, Dead Stamp.	Inch 7	9
	Each, $0 06	07

No. 32, Beveled Edges, Polished Cedar, Silver Stamp.	Inch 7	9
	Each, $0 09	12

Sargent Carpenters' Pencils.

No. 42, Beveled Edges, Glass-Finish Cedar, Gold Stamp.	Inch 7	9
	Each, $0 10	13

Ladd Lumber Pencils.



Full Size of Nos. 61, 62 and 63

Hexagon.

No. **61,** Black	each, $0 05
No. **62,** Blue	" 08
No. **63,** Red	" 08

Cast Steel Cold Chisels.

No. 95, Solid Cast Steel, Octagon.

Inch	1-4	3-8	1-2	5-8	3-4	7-8	1
Each	$0 06	07	10	15	25	32	40

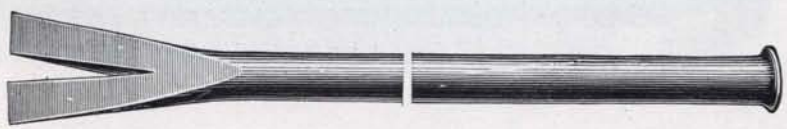
Assorted, 3-8 to 7-8 Inch . . . . . per dozen, $2 00
3-8 " 1 " . . . . . " 2 45

Half dozen in a box.

Box Chisels.

No. 72, Steel Faced.

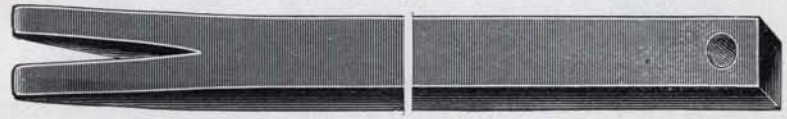
Wrought Iron, Japanned.



Inch	10	12	14
Each	$0 30	35	40

Cast Steel Box Chisels.

Solid Cast Steel.



Nos. 73 and 74

No. 73.

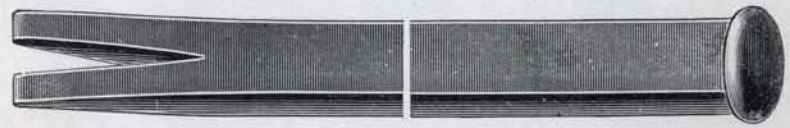
10 Inches, Solid Cast Steel . . . . . each, $0 60
15 " " " " . . . . . " 70

No. 74.

10 Inches, Solid Cast Steel, Full Polished . . . . . each, $0 65
15 " " " " " " . . . . . " 75

Solid Cast Steel.

With Round Head.



Nos. 75 and 76. Whole Length 15 Inches

No. **75,** Whole Length 15 Inches, Solid Cast Steel . . . . . each, $0 80
No. **76,** " " 15 " " " " Polished . . . . " 90

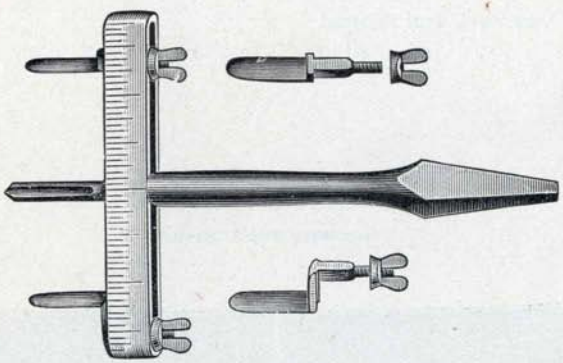
Melting Ladles.

Malleable Iron.

Inch	2½	3	4	5	6
Each	$0 22	25	40	65	80

Appleton's Washer Cutters.

Patented May 30, 1876.



Half Size of No. 1

Cutters and Centre of Cast Steel.

No. **1,** Tinned Malleable Iron, Cast Steel Cutters . . . . . each, $0 90