



NEW TOOLS

Supplement to Starrett's Catalogue No. 16



**First
In
Quality**

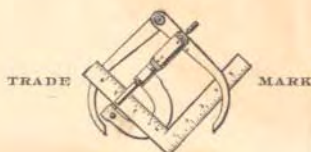
**In All
Points
Up to Date**



SUPPLEMENT TO CATALOGUE No. 16

of the

❧ FINE ❧ MECHANICAL TOOLS



Manufactured by

The L. S. Starrett Company

ROSE TONIS, INC.
Athol, Mass.

U.S.A.

Cable Address, Starrett, Athol

Lieber's Code Used

NEW YORK STORE
123 Liberty Street

CHICAGO STORE
15 South Canal Street

ATTENTION is called to directions for ordering, etc., on page 3 of Catalogue No. 16.

Do not fail to give with every order the **size** and **tool number** of each article wanted. This will save the time necessary for us to write and get the required information.

A list of our foreign agents is given on page 111 of Catalogue No. 16.

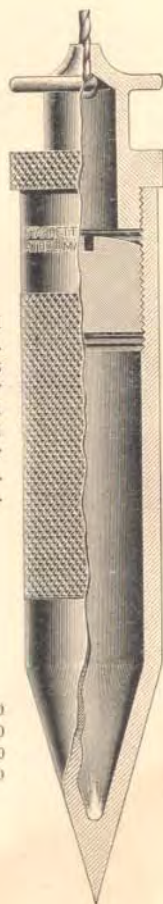
ROSE TOOLS, INC.

Mercury Plumb Bobs

No. 87



These Plumb Bobs are made from solid steel bored and filled with mercury. Noteworthy features are their great weight in proportion to size, low center of gravity, small diameter, hardened and ground points, knurling on body, and the simple and effective device at top for fastening end of line after winding up. Each is provided with a braided silk line. Nickel plated.

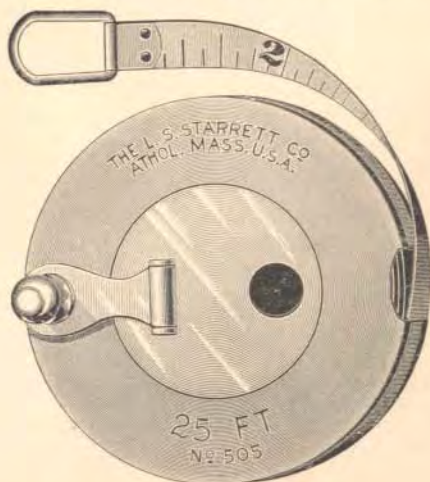


ROSE TOOLS, INC.

4 in. long,	$\frac{1}{8}$ in. diam.	3 $\frac{1}{2}$ oz.	.....	\$1.00
5 " "	$\frac{3}{16}$ " "	6 " "	.....	1.50
5 $\frac{1}{2}$ " "	$\frac{7}{16}$ " "	12 " "	.....	2.00
6 " "	1 " "	16 " "	.....	2.50

Steel Measuring Tapes

No. 505 and No. 506



An important improvement we have made in steel tapes consists in placing at each foot figures smaller than the intermediate figures denoting inches or tenths of feet.

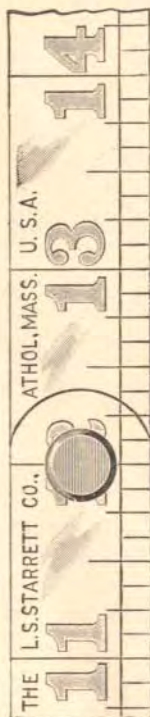
This dissimilarity of figures materially lessens (in fact ought to entirely prohibit) the liability to erroneous readings that frequently occurs through the uniformity of all figures in steel tapes of other makers.

The smaller figures denoting feet also allow the graduation line under each to be plainly visible, instead of being obliterated by the usual larger figure.

Our line of steel tapes can be thoroughly relied on for quality of material, workmanship and accuracy.

Where anything approaching correct measures of long lengths is required, nothing gives such close results as a steel tape, the expansion or contraction of one a hundred feet long being less than a quarter of an inch in a temperature variation of thirty degrees.

Steel Measuring Tapes in Steel Cases



These tapes are $\frac{3}{8}$ -inch wide, graduated on one side in tenths or twelfths of feet, in strong and well finished nickel plated steel cases, with folding flush winders. These are used principally by engineers and others where oil or grease would soil leather cases.

No. 505 are graduated in feet and twelfths of a foot, also in inches and eighths of an inch.

No. 506 are graduated in feet, 10ths and 100ths of a foot. This style is especially adapted for surveyors' use.

PRICES NOS. 505 AND 506.

25 ft. in case, $2\frac{3}{4}$ in. diameter....	Per doz. \$39.00	each, \$3.25
50 " " $3\frac{1}{4}$ " "	" " 48.00	" 4.00
75 " " $3\frac{3}{4}$ " "	" " 63.00	" 5.25
100 " " $4\frac{1}{4}$ " "	" " 81.00	" 6.75

Blacksmiths' Steel Rules

ROSE TOOLS, INC.

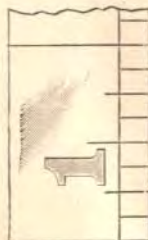
No. 460

Folding

Made of best quality spring tempered steel. 2 feet long, $\frac{3}{4}$ inch wide, 12-inch joints, 2-fold. Cut shows full width.

PRICES

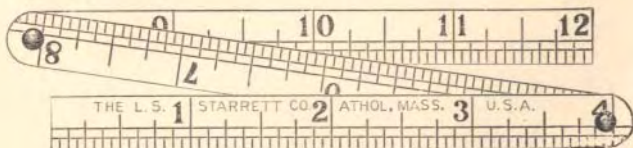
Per dozen.....	\$6.00
Nickel plated, extra.....	1 80



Folding Steel Pocket Rules

No. 450

Made of Best Quality Spring Tempered Steel



One foot long, $\frac{3}{8}$ inch wide, 4-inch joints, 3 fold.

PRICES

Per dozen	\$2.50
In metal bound leather cases	3.30
Nickel plated, extra	1.00

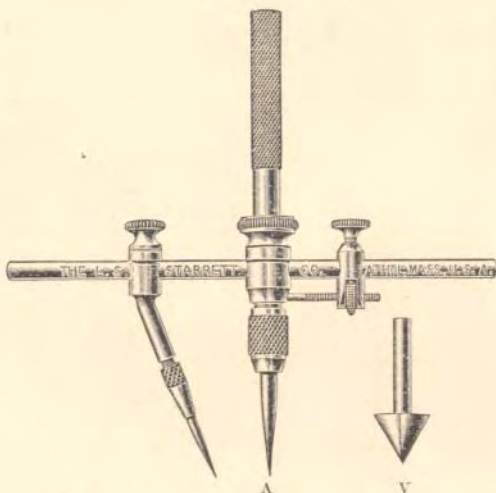
ROSE TOOLS, INC.

Two feet long, $\frac{3}{8}$ inch wide, 6 inch joints, 4 fold.

PRICES

Per dozen	\$4.50
In metal bound leather cases	6.00
Nickel plated, extra	1.50

Universal Dividers No. 89



The adjustable scriber holder is reversible and carries either a fine tempered steel point or a pencil lead, held in a split socket by a knurled nut. With the holder turned outward it is possible to work close to shoulders, something that cannot be done by a similar tool of any other make; turned inward, points may be brought close together to scribe the smallest circle. With 4-in. beam, $7\frac{1}{2}$ in. and under may be scribed. An auxiliary beam 13 in. long is furnished, with which a 25-in. circle may be drawn. The V center point may be substituted for the regular point, adapting the tool for scribing around a drilled hole. We also furnish a pen attachment.

PRICES

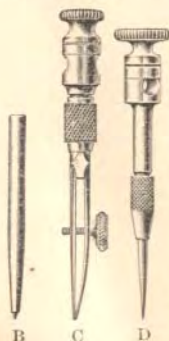
Tool with 4-in. beam and V center point..... \$1.75

LIST OF EXTRAS

A.	Extra Steel Points, each.....	\$0.10
B.	Needle Points, each.....	0.15
C.	Pen Attachment.....	1.00
D.	Extra Straight Point and Socket.....	.50
E.	Extra 13-in. Beam to scribe 25-in. circle.....	.25

Total for tool and all attachments..... \$3.75

Tool and V Center Point, listing at \$1.75, sent unless otherwise ordered.



B

C

D

Screw Pitch Gauge for Metric System

“Système Français”

No. 159

This gauge is somewhat similar to our No. 158. The angle is the same, viz., 60°, but it has more pitches than the No. 158. The diameter of screw or bolt is stamped on the leaves as well as the pitch in mm.

The gauge contains the following pitches: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5.

PRICE.....\$1.50



Spacing Center Punch

No. 118

ROSE TOOLS, INC.

Starrett's Combination Prick Punch and Spacing Tool is just the thing for laying off work quickly and accurately—for drilling, cutting out dies, etc. The Prick Punch is solid—made from best tool steel, properly tempered. The guide point is set in a socket with a spiral spring to press it down. When the punch is struck, the guide presses back into its socket, permitting the punch to be held straight over its work, and insuring accurate results. The screw with check nut sets the spacer right for small or large drill.

PRICE.....\$0.75

Slide Rule Caliper and Circumference Gauge

No. 424



This gauge has a double function — being graduated to read the circumference as well as the diameter of the thing measured, the relation of circumference to diameter being shown by the graduations on upper corners of the rule (capacity $3\frac{1}{2}$ inches, about 11 inches circumference). It was originally designed for rope or cordage manufacturers. It makes a first-class slide rule caliper of large scope, opening $3\frac{1}{2}$ inches. The jaws, being $1\frac{5}{8}$ inches deep, will caliper a cylinder up to $2\frac{1}{2}$ inches in diameter. The rule is graduated in 32ds of an inch standard and 16ths of an inch circumference measure. All corners of the tool are rounded smooth to make it fit to carry in the pocket and agreeable to handle. The circumference measure will assist in calculating how many feet a minute the cutting tool in a lathe is doing on any diameter within the scope of the gauge and so help determine whether the tools should have a faster or slower speed.

RULE:—The circumference being shown by the gauge, multiply the same by the speed the lathe runs per minute and the result will show the number of inches or feet the circumference is running and the tool cutting.

PRICE.....\$3.50

Inside Micrometer

No. 121

This tool has one inch screw micrometer movement, connected with sleeve $\frac{1}{8}$ inch diameter, attached to a finely finished nickel plated steel tube $\frac{1}{8}$ inch diameter, 28 inches long. This telescopes extension tubes of various lengths, $\frac{1}{16}$ inch diameter. These tubes are accurately graduated and figured in inches and set to the inch marks, showing length wanted, and are firmly held by a knurled locking nut. The ends of rods have hardened steel anvils. The long rods are made to couple together, neatly, accurately and firmly, as if but one piece. The tool was designed for and is largely used by the Government in Navy Yards and Arsenals. An oak case is furnished with each set.

PRICES

Set A.	Stock with one rod,	32 to 57 inches	.....	\$25.00
" B.	" " two rods,	32 to 82 "	.....	30.00
" C.	" " three "	32 to 107 "	.....	35.00

(The above is the same tool as listed on page 43 of Catalogue No. 16, described here more at length.)

No. 121M

ROSE TOOLS, INC.

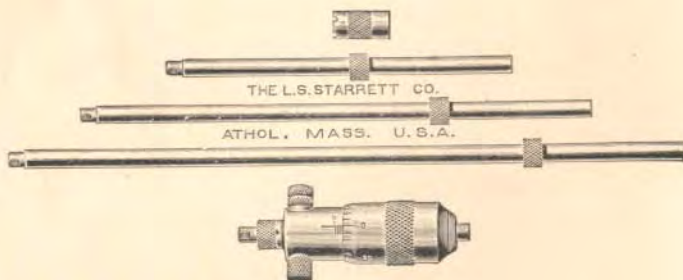
Same as above except made to read in hundredths of a millimeter.

PRICES

Set A.	Stock with one rod,	800 mm. to 1440 mm.	.....	\$25.00
" B.	" " two rods,	800 " " 2070 "	.....	30.00
" C.	" " three "	800 " " 2700 "	.....	35.00

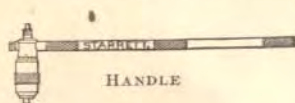
Inside Micrometer

No. 124



The above cut shows our new Inside Micrometer, No. 124, which, like our No. 120, is designed for internal and lineal measurements, such as measuring cylinders, rings; also for setting calipers, comparing gauges, etc. It is also useful in measuring parallel surfaces. The micrometer screw in the head has $\frac{1}{4}$ in. movement in sets A and B, one inch in set C, and, by means of the extension rods furnished, the sizes as given below for each set can be obtained. The extension rods are provided with a collar against which the rods are conveniently and accurately set in the micrometer head. With the rods are sent standard gauges or rings to slip on the rods, under the collars, to further extend the rod. The contact surfaces are all hardened, and provision is made for adjustment, to compensate for wear of the screw and contact surfaces.

The auxiliary handle, as shown in cut, can be used with sets A, B and D.



HANDLE

The handle is screwed in the side of the micrometer head, in place of the knurled ear screw, which can be removed, thus fitting the tool for use in places too small for the hand. Handle is 50 cents extra.

Inside Micrometer

No. 124 — Continued

Set A has 6 rods and one $\frac{1}{4}$ -in. gauge, and measures from 2 in. to 8 in.

Set B has 10 rods and one $\frac{1}{2}$ -in. gauge, and measures from 2 in. to 12 in.

Set C has 4 rods and one 1-in. and two 2-in. gauges, and measures from 8 in. to 32 in.

Set D comprises sets A and C, and measures from 2 in. to 32 in.

No. 124M

Same as No. 124, except graduated in Metric. Micrometer reads in hundredths of a millimeter.

Set A has 6 rods and one 10 mm. gauge, and measures from 50 mm. to 200 mm.

Set B has 10 rods and one 10 mm. gauge, and measures from 50 mm. to 300 mm.

Set C has 4 rods and one 25 mm. and two 50 mm. gauges, and measures from 200 mm. to 800 mm.

Set D comprises sets A and C, and measures from 50 mm. to 800 mm.

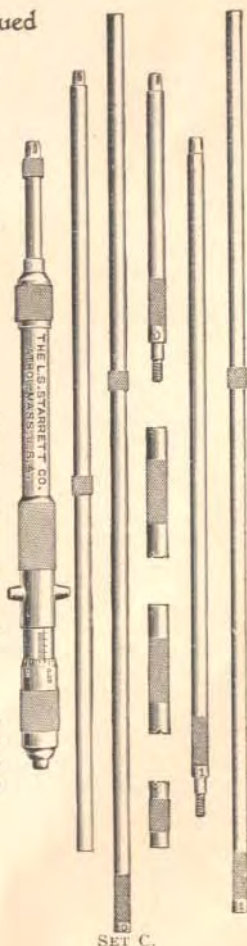
ROSE TOOLS, INC.

PRICES NO. 124 AND NO. 124M

Set A, without case	\$4.50.....	With case	\$5.25
Set B, " "	5.50.....	" "	6.50
Set C, " "	6.50.....	" "	8.00
Set D, " "	11.00.....	" "	12.50

Handle 50 cents extra.

Sent with case, unless otherwise ordered.

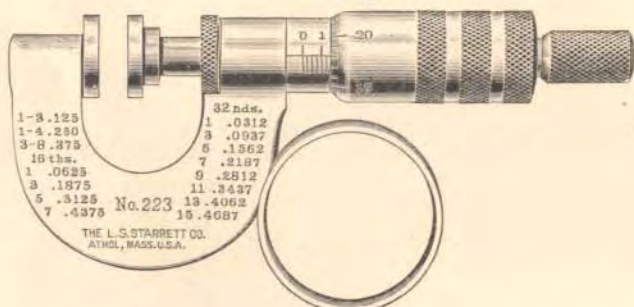


HANDLE

SET C.

Paper Gauge Micrometer No. 223

With Ring



This Micrometer is used in measuring the thickness of paper, sheet rubber, cardboard, etc. The discs are placed on the anvil and spindle so that measurements can be taken without compressing the articles measured. Measures all sizes less than $\frac{1}{16}$ of an inch by thousandths of an inch.

PRICES

Without ratchet stop and with ring, without case	\$6.25.....	With case	\$6.75
With " " " " " " " "	6.75.....	" "	7.25

Sent with ratchet and case, unless otherwise ordered.

No. 223M

Same as above, only graduated to read in hundredths of a millimeter.

ROSE TOOLS, INC.

PRICES

Without ratchet stop and with ring, without case	\$6.25.....	With case	\$6.75
With " " " " " " " "	6.75.....	" "	7.25

Paper Gauge Micrometer No. 225

Same as our No. 223, only without the ring attachment.

PRICES

Without ratchet stop, without case	\$5.50.....	With case	\$6.00
With " " " " " " " "	6.00.....	" "	6.50

Sent with ratchet, unless otherwise ordered.

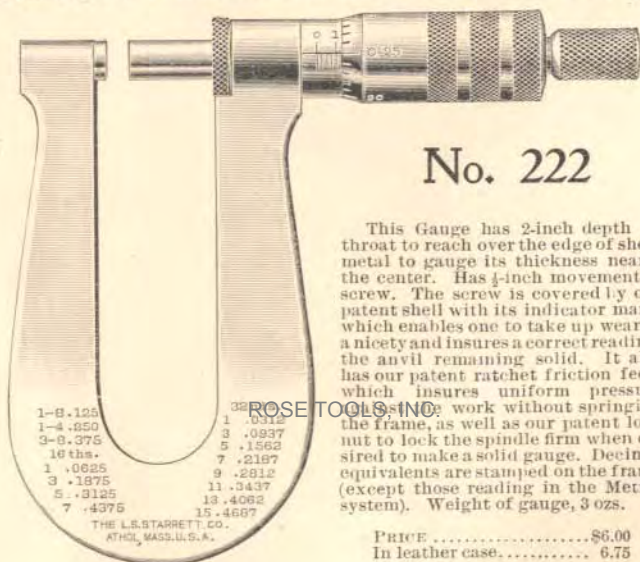
Paper Gauge Micrometer No. 225M

Same as our No. 225, only graduated to read to hundredths of a millimeter.

PRICES.

Without ratchet stop, without case	\$5.50	With case	\$6.00
With " " " " "	6 00	" " "	6.50

Starrett's Micrometer Sheet Metal Gauge



No. 222

This Gauge has 2-inch depth of throat to reach over the edge of sheet metal to gauge its thickness nearer the center. Has $\frac{1}{8}$ -inch movement of screw. The screw is covered by our patent shell with its indicator mark, which enables one to take up wear to a nicety and insures a correct reading, the anvil remaining solid. It also has our patent ratchet friction feed, which insures uniform pressure in the work without springing the frame, as well as our patent lock nut to lock the spindle firm when desired to make a solid gauge. Decimal equivalents are stamped on the frame (except those reading in the Metric system). Weight of gauge, 3 ozs.

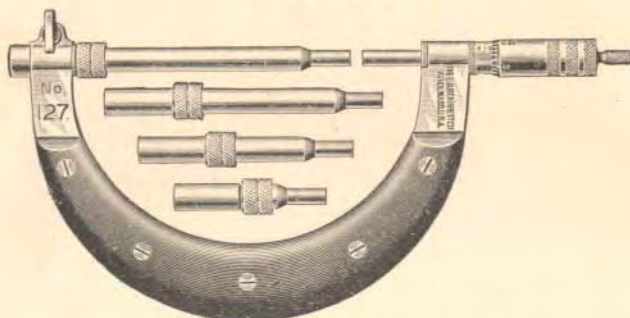
PRICE	\$6.00
In leather case	6.75

No. 222M

Same as No. 222, except graduated for measurements by hundredths of a millimeter.

PRICE	\$6.00
In leather case	6.75

United States Government Micrometer Gauge No. 127



These Gauges were designed and made to meet the requirements of the Government in making big guns and other work in the Ordnance Department of Government shops, where they are now used. The frames are cut from steel plates, nicely finished. The sides are covered with hard rubber, put on with brass screws, preventing inaccuracy through expansion caused by change in temperature when held in warm hands. The micrometer screw adjusts one inch, reading $\frac{1}{1000}$ of an inch, and is provided with our patent lock nut. The different length tail spindles, forming anvils, are interchangeable and have positive stops to set against their socketed seats. The adjusting collars on these anvils have notches to facilitate the removal of dirt, which would prevent them from setting accurately against the seat. The contact ends of spindles are slightly convex, to prevent catching on cylindrical work. Furnished with ratchet stop or speeded screw thumb piece, as desired.

ROSE TOOLS, INC.

PRICES

0 to 4 in.....	\$25.00
4 to 8 in.....	37.00
8 to 12 in.....	50.00

(This tool is an improvement on that listed on page 40 of Catalogue No. 16, and takes the place of it.)

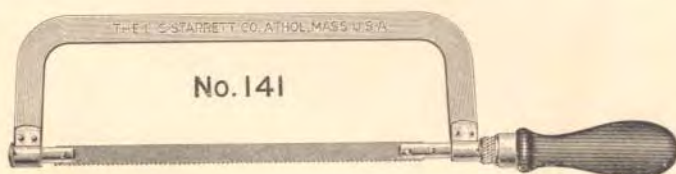
No. 127M

Same as above, only graduated in Metric, for measurements by hundredths of a millimeter.

PRICES

0 to 100 mm.....	\$25.00
100 to 200 mm.....	37.00
200 to 300 mm.....	50.00

Hack Saw Frame



This solid steel frame is very stiff, the stock in same being wider than commonly used, and it cannot be cramped by straining the blade. The saws may be set to cut in either of four directions and tightened by simply turning the handle. It is well made and in every way just right.

Polished and nickel plated.

PRICES

8 inch, with one blade.....	\$0.70
9 inch, " " " ".....	.75
10 inch, " " " ".....	.80
11 inch, " " " ".....	.85
12 inch, " " " ".....	.90

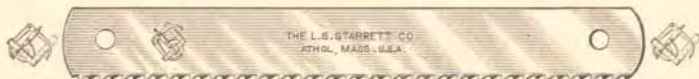
Hack Saw Frame



This is, we believe, a better frame for the price than any other made. The stock is wider and stiffer than commonly used and cannot be cramped when saws are strained up and will not tremble when used. It is well made with our improved adjustable back and will take in 8, 9, 10, 11 and 12 inch saws, which may be set to cut in either one of four directions, and tightened by simply turning the handle. Polished and nickel plated.

PRICE, with one blade.....\$1.00

Hack Saws



These blades are made of the finest grade of steel. The teeth are sharp, with square cutting points, and evenly set. They are tempered by our improved process, which leaves them hard and tough, so that they will not "shell off." They are too hard to file. The set of the blade is just enough to insure a free, smooth, and rapid cut, removing no more stock than necessary.

LOOK FOR THIS MARK  ON SAWS AND LABELS.

No. 103

For Use in Hand Frames

The 6, 7 and 8 inch saws are $\frac{7}{16}$ inch wide, .025 inch thick; the 9, 10, 11 and 12 inch are $\frac{1}{2}$ inch wide, .025 inch thick. All sizes have 15 teeth to the inch.

PRICES

Length,	6 in.	7 in.	8 in.	9 in.	10 in.	11 in.	12 in.
Per dozen,	\$0.55	.60	.65	.70	.85	.95	1.05
Per gross,	6.60	7.20	7.80	8.40	10.20	11.40	12.60

No. 102

With Fine Teeth

For sawing tubing, brass, copper, and sheet metal. 24 teeth to the inch. Width and thickness, same as No. 103. Prices same as for No. 103.

No. 112

ROSE TOOLS, INC.
For Power Saws

The No. 112 blades are $\frac{5}{8}$ in. wide, .030 in. thick, and have 13 teeth to the inch. Experience has taught us that these blades are the correct width and thickness for most power saws. More weight can be used on them, they will stand more rough usage, and do far more work than thinner and narrower blades. A test of several cuts with one of these blades against thinner and narrower blades will prove the above statement to be correct. Sizes, 12, 13 $\frac{1}{2}$ and 14 will fit the Q & C machines, and the length given for the 13 $\frac{1}{2}$ in. refers to distance between center of holes.

PRICES

Length,	12 in.	13 $\frac{1}{2}$ in.	14 in.
Per dozen,	\$ 1.05	1.25	1.25
Per gross,	12.60	15.00	15.00

NOTE:—In filling orders, when numbers are not given, we will send No. 103 for all sizes up to and including 11 inch. As 12 inch blades are used more in power saws than in hand frames, we will send No. 112 for 12, 13 $\frac{1}{2}$ and 14 inch; for 16 and 16 $\frac{1}{2}$ inch, will send our No. 114.

Hack Saws

No. 114

For Q & C and other Large Power Saws

The No. 114 blades are $\frac{3}{4}$ in. wide, .035 in. thick, and have 13 teeth to the inch. These blades are hardened throughout the same as our No. 112, and are adapted specially for heavy work in large power machines like the Q & C and others.

PRICES					
Length.....	12 in.	13 $\frac{1}{2}$ in.	14 in.	16 in.	16 $\frac{1}{2}$ in.
Per dozen.....	\$ 1.50	1.67	1.67	2.17	2.17
Per gross.....	18.00	20.00	20.00	26.00	26.00

Spring Tempered Back Saws

No. 250

For Use in Hand Frames

The No. 250 blades, 6, 7 and 8 in., are $\frac{7}{16}$ in. wide, .025 in. thick; 9, 10, 11 and 12 in. are $\frac{1}{2}$ inch wide, .025 in. thick; all sizes have 15 teeth to the inch. These blades are made from the same grade of steel as our other saws. The advantage claimed for these blades over the so-called flexible or soft back saws is that they will not rough up or stretch as the soft back saws are liable to do. The back being left at a spring temper, the saw will not break easily.

PRICES							
Length.....	6 in.	7 in.	8 in.	9 in.	10 in.	11 in.	12 in.
Per dozen.....	\$0.55	.60	.65	.70	.85	.95	1.05
Per gross.....	6.60	7.20	7.80	8.40	10.20	11.40	12.60

No. 252

ROSE TOOLS, INC.
With Fine Teeth

For sawing tubing, brass, copper and sheet metals. 24 teeth to the inch. Width and thickness the same as No. 250. Prices same as for No. 250.

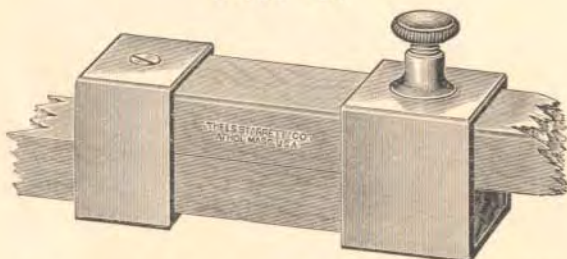
No. 251

For Power Saws

The No. 251 blades are $\frac{3}{4}$ in. wide, .030 in. thick, and have 13 teeth to the inch. We only make the one size in this number. For larger sizes to use in power machines we refer you to our No. 112 and No. 114.

PRICES	
12-in., per dozen.....	\$1.05
Per gross.....	\$12.60

Measuring Bar Clamps No. 69



These Clamps are one inch square inside, and are to be used with two wooden bars about 1 in. by $\frac{1}{2}$ in. of any desired length. The Clamps and bars thus combined will be found very convenient by carpenters as adjustable measuring rods, as well as for extension beams for our No. 59 Trammels. Nickel plated.

PRICE, per pair\$0.50

Rule Clamps No. 299



This little tool is used to clamp two steel rules together, end to end, making one long rule. The rules may be of the same or different widths up to $1\frac{1}{2}$ in. This Clamp will be of special value to mechanics, whose tool chests will usually not hold rules longer than 12 in.

PRICE.....\$0.50

Jobbers' Drill Gauge

No. 187

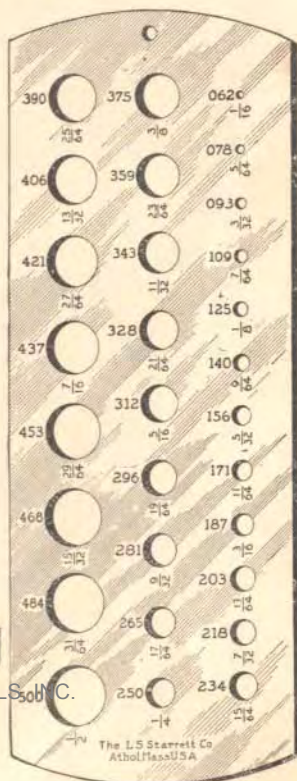
For Gauging Twist Drills

This Gauge shows sizes from $\frac{1}{16}$ in. to $\frac{3}{4}$ in., varying by 64ths. Each size is designated by both common and decimal fractions. The Gauge is hardened and tempered and the holes standard.

Price.....\$2.25

Cross Test Level

No. 136



As the cut shows, two levels are united in one frame, extending at right angles $2\frac{1}{2}$ in. each way. The level weighs but 4 ozs. When placed on work to be leveled in both directions, it will not be necessary to move the tool.

Price..... 65 cents

Improved Levels for Testing Shafting, Etc.

In addition to the regular parallel vial, the bases have a cross level which enables one to place or hold the base on a shaft level in its cross section, not canted sidewise; for the shape of a level glass is such that, though true as adjusted on a flat surface, it will not be reliable when canted sidewise. Hence the value of the cross level, not only to test the truth of shafting, but other surfaces which tend to throw the level base into a canting position.

The base of this level has our improved concave groove running through the length of its base, leaving a flat margin each side, which improves its seat for flat work, while forming an absolutely true and reliable seat for shafting, etc., and is better than a V groove.



6 in. and 8 in. sizes.



12 in. size. The 18 in. is similar, but with double plumb.

No. 97.

PRICES

6 in., with plain vial.....	\$1.75
8 in., " "	2.00
12 in., " " with plumb.	2.50
18 in., " " with double plumb.	3.50

No. 98

PRICES

6 in., with ground and graduated main vial.....	\$4.00
8 in., " " " " " "	4.50
12 in., " " " " " " with plumb.....	6.00
18 in., " " " " " " with double plumb.....	8.50

Electrician's Level

Un-Magnetic



This Level is especially designed for use about electrical works, setting up electrical engines, dynamos, etc., or in any place where an iron or steel level is liable to be magnetized. The base is made of bronze, is un-magnetic and has concave groove in the bottom, running through the center full length, adapting it to rest on a shaft or pipe as well as on a flat surface. The No. 197 has a plain vial, and the No. 198 a ground and graduated vial, each set in an adjustable brass tube, having around it an outer tube which may be turned to cover and protect the glass when not in use.

No. 197

PRICES

8 inch, with plain vial.....	\$2.50
12 " " " "	3.50
16 " " " "	4.50
In fancy wooden case.....\$1.00 extra	

ROSE TOOLS, INC.

No. 198

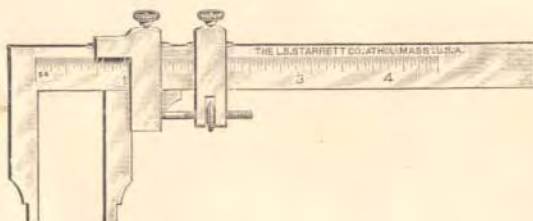
PRICES

8 inch, with ground and graduated vial.....	\$4.50
12 " " " "	6.00
16 " " " "	8.00
In fancy wooden case.....\$1.00 extra	

Both numbers sent without case unless otherwise ordered.

Caliper Square

No. 426



This Caliper Square is designed both for inside and outside measurements. It is made with firm and adjustable jaw. The beam is nicely graduated on one side in 64ths and on the other in 100ths of an inch. With the adjusting screw the sliding head can be more accurately set to the graduations than without it. Sent with adjusting screw and without case unless otherwise ordered.

PRICES

3 in., with adjusting screw.....	\$3.75,	without	\$3.00
4 " " " "	4.50,	"	3.50
6 " " " "	7.50,	"	5.50
With hardened jaws	\$1.50 extra		
Leatherette Case	.75	"	

ROSE TOOLS, INC.

No. 426M

Same as No. 426 only with beam graduated on one side in $\frac{1}{2}$ millimeters and on the other in 100ths of an inch.

PRICES

10 cm., with adjusting screw	\$4.50,	without	\$3.50
15 " " " "	7.50,	"	5.50
With hardened jaws.....	\$1.50 extra		
Leatherette Case	.75	"	

Universal Test Indicator No. 64



The above Indicator is a much needed instrument. It may be used to test and show the imperfections or truth of inside, outside or surface work. It can be instantly attached to the spindle or to the needle of any surface gauge



and used in connection with same to show the slightest variation in thousandths. It may be clamped to a flat or round support, varying in size from a surface gauge needle up to $\frac{3}{4}$ in., flat or round. A special holder, as shown in cut, is designed to go in the tool-post of a lathe, adapting it for use to show the accuracy of all sorts of lathe work, turning, chucking, or locating and centering work on face plate. The head of the needle has three working points, equal distance from its fulcrum, so the telltale needle will vibrate, reading in thousandths, when work is in contact with either point—in front, above or below it. When in front, the spring operating the telltale needle needs to be reversed to throw point of needle up instead of down as when used above or below the work. This may be instantly done by a slight turn of the disc to which the vibrating spring is attached. The working parts of the head are hardened and, as a surface or test gauge, no mechanic who is required to do accurate work can afford to be without it.

ROSE TOOLS, INC.

PRICES

Indicator only	\$2.50
Tool-Post Holder	.50
Indicator, with Tool-Post Holder, complete,	2.75
Sent complete unless otherwise ordered.	

Consult pages 69, 70, 71, 72 for Surface Gauges, to any of which the Indicator may be attached.

New Sizes.

We now make and carry in stock additional sizes of several tools formerly listed.

No. 20. Hardened Squares, page 22, Catalogue No. 16.

New size, 15 inch blade, inside beam. Price, each.....	\$15.00
" " 18 " " " " " " " "	18.00
" " 24 " " " " " " " "	25.00

No. 425. Pocket Slide Caliper, page 22, Catalogue No. 16.

New size, 5 inch. Price, each.....	\$3.00
------------------------------------	--------

No. 26. Firm Joint Caliper, page 75, Catalogue No. 16.

New size, 30 inch, will caliper 38 in. diam. Price, each.....	\$5.00
" " 36 " " " 46 " " " " " "	6.00

No. 34. Screw Adjusting Caliper, page 80, Catalogue No. 16.

New size, 30 inch, will caliper 38 in. diam. Price, each.....	\$6.00
" " 36 " " " 46 " " " " " "	7.00

New Half Inch Micrometer Calipers

ROSE TOOLS, INC.

- No. 218.** For measurement by ten thousandths up to one half inch. With ratchet stop or speeded screw thumb piece. Without lock nut. Price, in case, \$6.00; without case..... \$5.50
Sent with case unless otherwise ordered.

- No. 219.** For measurement by ten thousandths up to one half inch. With lock nut and ratchet stop, or speeded screw thumb piece. Price, in case, \$6.50; without case..... \$6.00
Sent with case unless otherwise ordered.

Numerical Index

Pages 1-112 are in Catalogue No. 16. Pages 113-140 are in this Supplement.

Tool No.	Page	Tool No.	Page	Tool No.	Page
1.....	46	40.....	52	81.....	86
2.....	38	41.....	78	82.....	86
3.....	24	42.....	79	83.....	85
4.....	53	43.....	79	84.....	85
5.....	53	44.....	80	85.....	89
6.....	53	45.....	56	86.....	39
7.....	54	46.....	56	87.....	115
8.....	16	47.....	47	88.....	91
9.....	19	48.....	105	89.....	119
10.....	24	49.....	48	90.....	90
11.....	13	50.....	96	92.....	88
12.....	18	51.....	93	95.....	98
13.....	20	52.....	69	96.....	98
14.....	21	53.....	70	97.....	134
15.....	47	54.....	70	98.....	134
16.....	105	56.....	72	99.....	100
17.....	15	57.....	71	101.....	101
18.....	105	58.....	94	102.....	61 and 130
19.....	105	59.....	95	103.....	61 and 130
20.....	22 and 138	60.....	25	104.....	65
21.....	23	61.....	26	105.....	12
22.....	14	62.....	26	106.....	66
23.....	17	64.....	137	107.....	67
24.....	29	65.....	64	108.....	16
25.....	27	66.....	35	110.....	91
26.....	75 and 138	67.....	63	111.....	92
27.....	75	68.....	63	112.....	61 and 130
28.....	28	69.....	132	113.....	36
29.....	48	71.....	88	114.....	131
30.....	57	72.....	55	116.....	68
31.....	57	73.....	84	117.....	68
32.....	17	74.....	82	118.....	121
34.....	80 and 138	75.....	82	120.....	42
35.....	80	76.....	83	121.....	43 and 123
36.....	76	77.....	81	124.....	124
37.....	75	78.....	83	125.....	44
38.....	77	79.....	84	126.....	45
39.....	77	80.....	87	127.....	40 and 128

Numerical Index — Continued

Tool No.	Page	Tool No.	Page	Tool No.	Page
128.....	41	207.....	36	346.....	8
130.....	97	208.....	36	347.....	8
132.....	97	209.....	36	350.....	9
133.....	99	212.....	39	351.....	9
134.....	96	213.....	38	355.....	9
135.....	99	214.....	38	356.....	9
136.....	133	215.....	37	357.....	9
140.....	60	216.....	37	358.....	9
141.....	129	217.....	38	360.....	51
145.....	60	218.....	136	365.....	11
146.....	129	219.....	136	366.....	11
150.....	62	220.....	33	370.....	10
151.....	62	221.....	33	371.....	10
155.....	54	222.....	127	372.....	10
156.....	120	223.....	126	373.....	10
157.....	54	225.....	126	375.....	10
158.....	120	241.....	78	376.....	10
159.....	121	242.....	79	377.....	10
160.....	59	250.....	131	378.....	10
164.....	106	251.....	131	380.....	10
165.....	104	252.....	131	385.....	10
166.....	105	299.....	132	390.....	11
167.....	103	300.....	6	391.....	11
168.....	103	301.....	6	395.....	11
169.....	103	302.....	6	397.....	11
170.....	15	303.....	6	398.....	11
172.....	55	307.....	6	400.....	6
185.....	102	308.....	6	407.....	6
186.....	102	309.....	6	410.....	7
187.....	133	320.....	7	417.....	7
190.....	58	321.....	7	420.....	9
191.....	58	322.....	7	421.....	9
197.....	135	325.....	7	424.....	122
201.....	34	330.....	7	425.....	22 and 138
202.....	34	331.....	7	426.....	136
203.....	34	332.....	7	450.....	118
204.....	35	340.....	8	460.....	117
205.....	35	341.....	8	505.....	117
206.....	35	345.....	8	506.....	117

