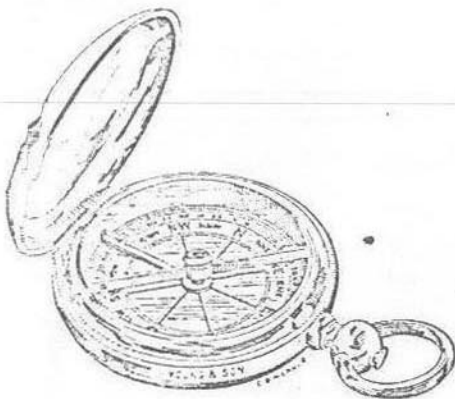


... Pocket Compasses ...



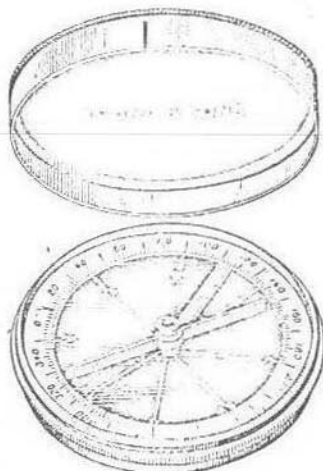
No. 1080.

NUMBER 1080.

Hunting case, watch pattern, nickel-plated stop to edge bar needle, spring in hinge of cover, silvered dial, with cardinal points, divided 0° to 90°.

1 1/2 inches . . . . .	\$3.00
1 3/4 inches . . . . .	3.25
2 inches . . . . .	4.25
2 1/2 inches . . . . .	5.00

... Pocket Compasses ...



No 1082.

NUMBER 1082.

Brass case, "pull-off cover," makes automatic stop to edge bar needle, enameled dial with cardinal points, raised ring, divided 0° to 360°.

2 inches . . . . .	\$2.50
2 3/8 inches . . . . .	2.75
3 inches . . . . .	3.00

yo Pocket Compasses.

no. 2



No. 1084.

NUMBER 1084.

Brass case, "pull-off cover," makes automatic stop to edge bar needle, silvered dial with cardinal points, raised ring, divided 0° to 90°.

1 1/2 inches, \$2.75. 2 inches, \$3.00.

ESTABLISHED 1820.

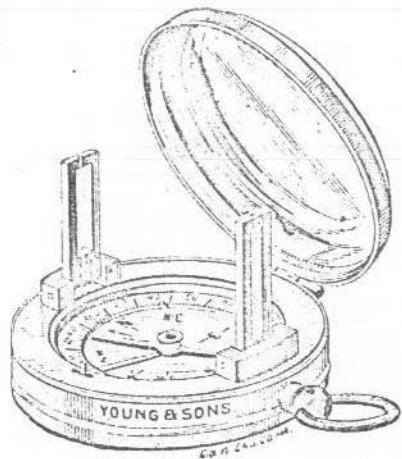
Young & Sons,

MANUFACTURERS OF

Engineering, Mining and Surveying Instruments,

43 NORTH SEVENTH STREET,  
PHILADELPHIA, PA.

... Pocket Compasses ...



No. 1073.

NUMBER 1070.

Brass, form of watch, 1½ inch diameter, stop, agate and hunting case . . . . . \$1.75

NUMBER 1071.

Charm Compass, ½ inch diameter . . . . . \$ .50

NUMBER 1072.

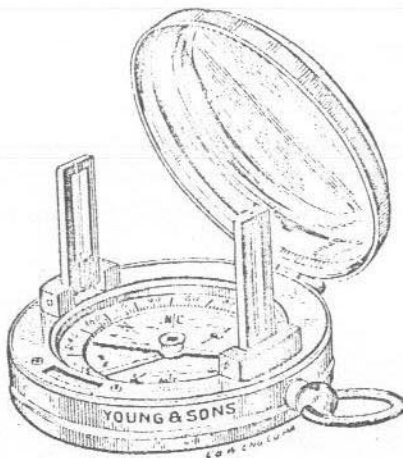
Mahogany Pocket Compass, stop and cover on hinge . . . . . \$1.50

NUMBER 1073.

Pocket Compass, nickel-plated casing with hinged cover, silvered dial with cardinal points, and raised ring divided 0° to 360°, folding sights, agate centre, and stop to needle.

- ¾ inches . . . . . \$1.00
- 1 inches . . . . . 4.25
- 1 ½ inches . . . . . 7.00

... Pocket Compasses ...



No. 1074.

NUMBER 1074.

Pocket Compass, similar to preceding, with level.

- 2 ¾ inches . . . . . \$8.00
- 2 ¾ inches . . . . . 9.00
- 3 inches . . . . . 10.00

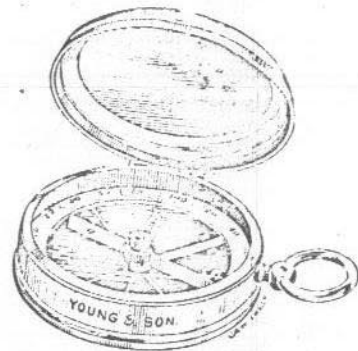
NUMBER 1075.

Geological Compass, pendulum to give angle of inclination, brass . . . . . \$4.50

NUMBER 1076.

Geological Compass, pendulum to give angle of inclination, nickel-plated . . . \$5.50

... Pocket Compasses ...

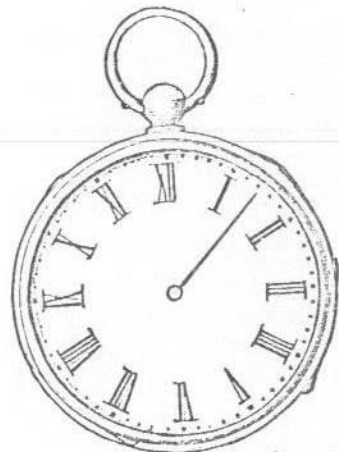


No. 1078.

NUMBER 1078.

Nickel-plated, watch pattern, with hinged cover, stop to edge bar needle, enameled dial, gilt letters, raised ring, divided 0° to 360°.

- 1 ¾ inches . . . . . \$3.75
- 1 ½ inches . . . . . 4.00
- 2 inches . . . . . 4.50



NO. 2150.

Pedometers are pocket instruments for measuring the distance traversed in walking — the number of miles being registered by a mechanism, inclosed in a nickel-plated watch casing, and operated by the motion of the body. Directions accompany each instrument. The following are of the best make only.

NUMBER 2150.

Pedometer with dial divided to twelve miles, and reading to quarters . . . \$4.50

NUMBER 2152.

Pedometer, as above, with mechanism rendered visible through glass back . \$5.00

NUMBER 2153.

Pedometer, with dial divided to twelve miles, reading to quarters, glass back, with stem-setter for returning pointer to zero, \$9.00

NUMBER 2154.

Pedometer, dial divided to ten miles, and reading to quarters, with inner dial recording one hundred miles . . . . . \$6.00

NUMBER 2156.

Pedometer, as above, with mechanism rendered visible through glass back . \$8.50

NUMBER 2157.

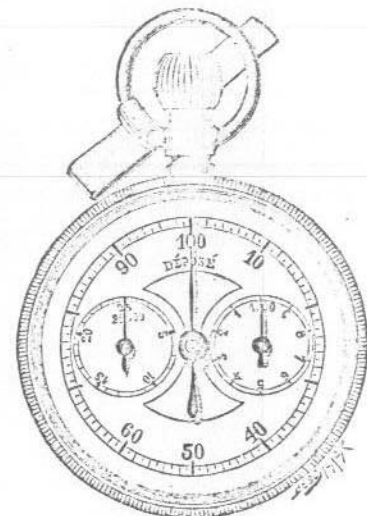
Pedometer, with dial divided to ten miles, reading to quarters, with inner dial recording one hundred miles, glass back, with stem-setter for returning pointer to zero . \$10.50

### *Odometers*

The Odometer is an instrument for ascertaining the number of miles traversed by a carriage or wagon, the revolutions of the wheel being registered, and the miles computed by the accompanying table.

NUMBER 2160.

Odometer, recording 100,000 revolutions, in sole-leather case, with strap for securing it to the wheel, in metal case . . . \$15.00



NO. 2159.

NUMBER 2158.

Passometer, designated to record the number of steps, dial divided to one hundred, with two inner dials, registering, respectively, one thousand and twenty-five thousand steps, mechanism rendered visible through glass back; highly commendable . \$10.00

NUMBER 2159.

Passometer, same as above, but with stem-setter for returning pointer to zero . \$12.00

*Improved Hand Level*



An improved hand level similar to Locks construction, but having an object glass 1/2 inch in diameter, and giving a much greater and more unobstructed field of view; 1/2 inches long when opened, 5 1/2 inches when closed; is highly commended.

Price, \$12.00. Postage and registering, 6 cents.

\* TRANSPARENT \*

# Straight Edges and T-Squares

ANGLES AND CURVES

With Transparent Edges

*Made of an amber-colored material less brittle than hard rubber and transparent as glass.*

WARRANTED SATISFACTORY

*Angles, Curves, and Straight Edges will be sent by mail, postage prepaid, on receipt of price.*

PRICE-LIST.

*Mahogany T-Squares with Transparent Edges.*

Fixed head, 18	24	30	36	42	48	54	60	Inch.
\$1.50	2.00	2.50	3.10	3.80	4.60	5.50	6.50	Each.

*Mahogany Straight Edges with Transparent Edges.*

18	24	30	36	42	48	54	60	Inch.
\$1.25	1.50	1.75	2.50	3.25	4.00	4.75	5.75	Each.

*Transparent Angles.*

	3	4	5	6	7	8	9	10	11	Inch.
45°	\$0.45	.55	.65	.75	.90	1.10	1.25	1.45	1.80	Each.
30°x60°	—	.35	.45	.55	.65	.75	.85	1.00	1.20	Each.
	12	13	14	15	16	17	18	Inch.		
45°	2.20	2.50	2.75	3.10	3.50	3.85	4.25	Each.		
30°x60°	1.45	1.75	2.00	2.25	2.50	2.80	3.25	Each.		

*Transparent Lettering Angles.*

Three in Set, \$2.00 per set.

*Transparent Spiral Curves.*

\$2.00 each.

*Transparent Irregular Curves, Pattern A.*

1	2	3	4	5	6	7	8	9	10	
\$0.45	.45	.50	.50	.50	.55	.55	.55	.60	.65	Each.
11	12	13	14	15	16	17	18			
\$0.60	.50	.75	.85	1.00	1.00	1.20	1.20	Each.		
19	20	21	22	23	24	25				
\$1.15	1.20	1.15	1.25	1.35	1.35	2.00	Each.			

## Engineers' and Surveyors' Crayon for Marking Stakes.

Made in four colors—Red, Yellow, Blue and Black.

Box of one dozen sticks, all of one color, or assorted colors . . . . . 50 cents.

Postage on box . . . . . 5 "

Sample by mail . . . . . 10 "

Made specially for us to meet the demand for a good crayon.

Color all bright. Will mark any kind of surface, wet or dry, and will not rub off.

## The Engineers' and Surveyors' Stake Tacks.



This ingenious little arrangement is simply the common tack, with an indentation in head to receive the point of the sight pole.

The Engineers' Club, of Philadelphia, says of it: "Thus another, although trifling, source of error may be eliminated."

Prices.

Sample, 2 oz. box . . .	\$ .15;	by mail, \$ .18
1 lb. box . . .	.85;	" 1.00
2 " . . .	1.60;	" 1.90
3 " . . .	2.35;	" 2.60
4 " . . .	2.80;	" 3.40
10 " . . .	6.00.	