OCT 1 8 1979 UNIV. OF CALIF. BERK. INSTRUMENTS FOR FOR

KEUFFEL & ESSER CO.,

MANUFACTURERS,

1904

Branches: 111 Madison St., Chicago. 708 Locust St., St. Louis. 303 Montgomery St., San Francisco. 127 FULTON ST.,

NEW YORK.

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INSTRUMENTS FORE

FOR

FOREST WORK



KEUFFEL & ESSER CO.,

MANUFACTURERS,

Branches: 111 Madison St., Chicago. 708 Locust St., St. Louis. 303 Montgomery St., San Francisco. 127 FULTON ST., NEW YORK.

1904

SEP 1 1 1990

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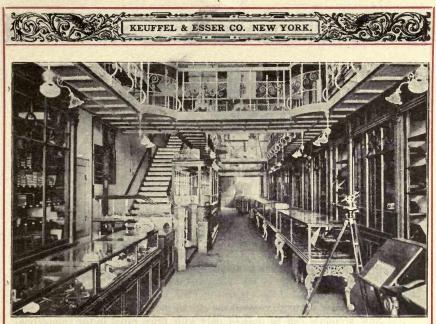
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*RETAIL DEPARTMENT, FULTON STREET.

NEW YORK, March, 1904.

The great increase in the demand for instruments and tools for

FOREST WORK

has induced us to issue this special catalogue. We have had the privilege of participating in the developing of many instruments used and recommended by the Bureau of Forestry in Washington, and take this occasion to extend our thanks to the several forest experts who have aided us by their advice and suggestions.

It is our aim to gain and maintain for this line the same high reputation which we are enjoying since many years for our

Drawing Materials, Surveying Instruments, Measuring Tapes.

These are described in our General Catalogue (500 pages), which we send free on application.

Those of the articles in our General Catalogue which are commonly used also for forestry work, are repeated in this list under the same numbers which they bear in our general catalogue.

We hope that we shall succeed in meriting the patronage of those who are interested in the articles here described.

Very respectfully,

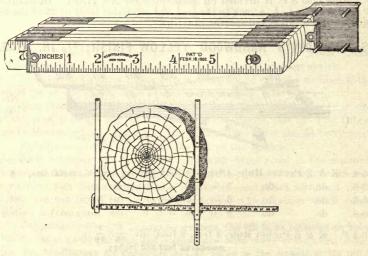
KEUFFEL & ESSER CO.

TREE CALIPERS.

L & ESSER CO. NEW

FOLDING POCKET CALIPERS.

Patented Feb. 18, 1902.



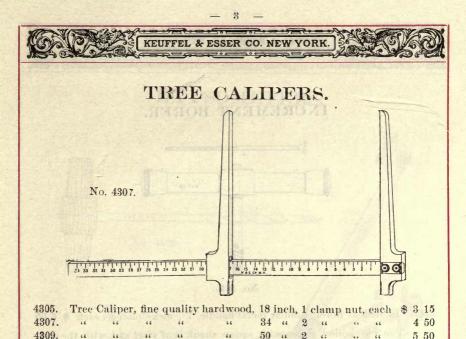
No. 4300.

The Folding Pocket Calipers are of the style of the K & E Ivorine Pocket Rules, described under Nos. 1730-4 Ivorine, etc., on preceeding page. They are $\frac{3}{4}$ in. wide by about $\frac{1}{5}$ in. thick and have stout steel springs to hold the folds in alignment, and the patent metal tips. The beam of this caliper is also a handy and correct 48 in. pocket rule.

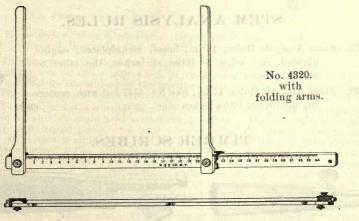
One side of the 8 fold beam is blank for the first 3 folds and the other 5 folds, the beam of the caliper, are divided to inches and sixteenths. The 3 blank folds are set at right angle to the balance of the rule and are there held by a pivoted nickelplated brace, as shown in cut, forming the fixed arm. The sliding arm is provided with a nickelplated spring plate, which, when pressed down holds the arm vertical on the beam. It readily passes over the joints of the beam on releasing the pressure on the springplate.

The other side of the caliper is divided over the entire 48 inches into 16^{ths}, to serve as a measuring rule.

4300. Folding Pocket Caliper and Rule, 48 in. Ivorine finish, clamp and spring plate nickelplated, in cloth covered box, 9³/₄ x 2 x 1¹/₂ inches....each \$ 4 00



These calipers are of light-colored hardwood, best workmanship, finely finished, both sides of beam graduated to 10^{ths} inches and plainly numbered. The arms are detachable for convenience in transportation. The stationary arm is held by brass clamp nuts with lock nut. The eye of the sliding arm is brass-lined all around.



No. 4320 folded.

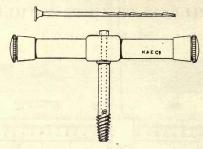
4320.	Tree	Caliper	with	folding	Arms,	34	inch					each	\$ 5	50
				"										

These calipers are of light-colored hardwood, best workmanship, finely finished, both sides of beam graduated to 10^{ths} inches and plainly numbered. The arms are attached to solid brass mountings. They are held in position by clamp nuts and the sliding arm has a second clamp on the opposite side for clamping it on the beam.

INCREMENT BORER.

& ESSER CO. NEW YORK

KEUFFEL



No. 4345.

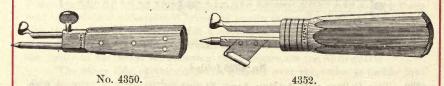
4345. Increment Borer, tubular metal handle, 7", nickelplated . each \$ 6 00

The 3 in. hollow auger with square shank is of steel and with the steel extractor is stored in the hollow handle, which has two screw caps. The Increment Borer (called "Zuwachsbohrer" by German foresters) serves to extract a plug of wood from the standing tree to determine its rate of growth. It will not injure the tree.

STEM ANALYSIS RULES.

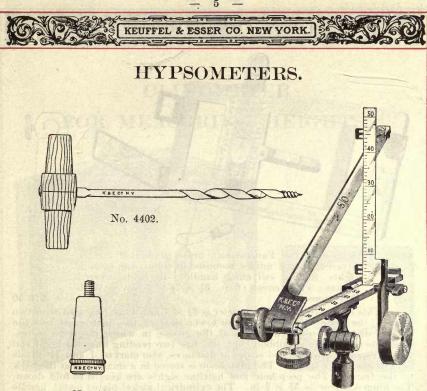
4347.	in the second states, in the second s
	divided, one edge to 10ths of inches, the other to
	millimeters
4348.	in the states and states in the state but with center-
	ing pin on the 10ths inches edge

TIMBER SCRIBES.



 4350. Timber Scribe, wooden handle, small. (5 `inch).....each \$ 75

 4352. """ " large, (6½ ")...." 1 00



No. 4404.

No. 4400.

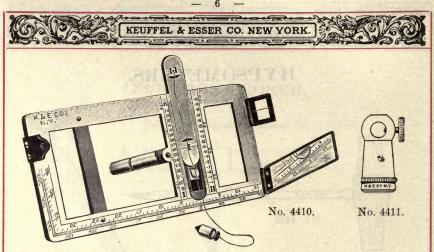
4400. Hypsometer (after Klaussner). Brass, graduated surfaces silvered, in wooden box, $8 \times 2\frac{3}{4} \times 2\frac{3}{8}$ inches each \$26 00

This Hypsometer offers the advantage over most others that the total height of the tree or other object can be read direct from one scale and that it does not require the adding of the readings above and below the observer's level. The weighted altitude-scale is much steadier in the wind than a plumbbob.

This Hypsometer consists of a base rule (6 in. long), a hinged sighting rule and an altitude-scale held vertical by a weight. The base rule is graduated up to 60 equal parts, each part divided to halves, forming the distance scale. It carries a slide with reading line, to which the weighted altitude scale is attached. The altitude-scale is graduated to 50 equal parts, each part divided to halves. The graduations may be read as yards, meters, feet or in any other unit, depending on the unit adopted in measuring the base line (object to observer). The slide of the altitude-scale is set on the distance scale to correspond to the measured base line. The sighting rule is hinged to the near end of the base rule, and, like the base rule, has a hairline sight at its further end. At the joint of these two rules is a revoluble peep sight, which can be directed to either of the two hairlines by a milled disk. After sighting the base of the object along the base rule, the sighting rule is raised by means of a high pitch thumbscrew, until its hairline cuts the top of the object. The instrument has a jointed ferrule with clamp' screw threaded to fit the regular photographer's tripod screw.

For Jacob staff and Tripods see page 9.

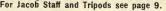
This hypsometer is particularly adapted in cases where necessity of haste or the roughness of country make the use of a tripod impracticable. The results obtained are more accurate when using a tripod than without one.

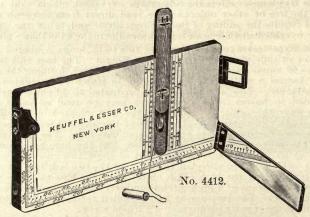


4410. Hypsometer (after Faustmann), brass, graduated surface silvered, hinged mirror mounted in aluminum, folding sights, folding swiveling handle. In cloth covered With ... each \$19 50

This mirror-reading Hypsometer is $3\frac{1}{4} \times 7$ in. It is provided with two scales: the scale of heights on the lower edge of the instrument and the scale of distances on the two edges of the groove in which the slide moves. The slide carries the plumbbob cord and has two reading lines marked I and II, corresponding to the two scales of distances, also marked I and II. It is held in place by a spring. The plumbbob is stored in a small tube at the back of the frame. The peep-hole and hairline sights are hinged to fold down. The hinged mirror is $5\frac{3}{4} \times \frac{3}{4}$ in. The cylindrical nickel-plated metal handle on the reverse side of the instrument swivels and also folds down.

4411. Brass Ferrule, to fit the support with Gimlet, (No. 4402, pp. 5) each \$ 1 00



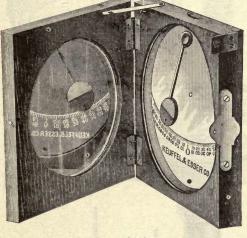


4412. Hypsometer (after Faustmann), like No. 4410, but of polished hardwood, graduations on white facing with protective coating, hinged mirror mounted in aluminum, folding sights. Cloth covered pocket with cover flap, $3\frac{1}{2} \times 7\frac{1}{2} \times \frac{1}{2}$ in. With Directions. . each \$ 6 50

CLINOMETER FOR MEASURING HEIGHTS.

KEUFFEL & ESSER CO. NEW YORK 78.000

205



4440.



4442.

4440. Clinometer, mahogany frame with hinged cover, $4\frac{1}{2} \times 4\frac{1}{2} \times 1$ in, silvered metal dial with cover glass. Graduated to percentage of angle to 100% each way (by 2 %), numbered at each 10%, with a second row of numbers reversed for reading in mirror. The pendulum is held by a spring, except when released by pressing a button on the reverse side of the frame, so that its location can be conveniently read on the scale. The upper edge has a peep sight and sighting pin. In the cover there is a circular mirror for reading the position of the

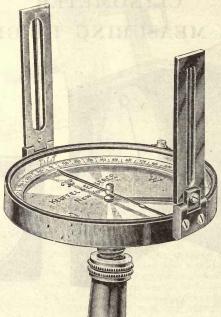
4442. Clinometer, mahogany frame $3 \times 3 \times \frac{1}{2}$ in., silvered metal dial with cover glass. Graduated to percentage of angle to 100% each way (by 2%), numbered at each 10%. The top or bottom of the frame serve as fiduciary edge and for sighting. The pendulum is held by a spring, except when released by pressing a button on the reverse side of the frame so that its location can be conveniently read . .

. . . . each \$ 4 00

\$ 8 00

COMPASSES.

KEUFFEL & ESSER CO. NEW YORK

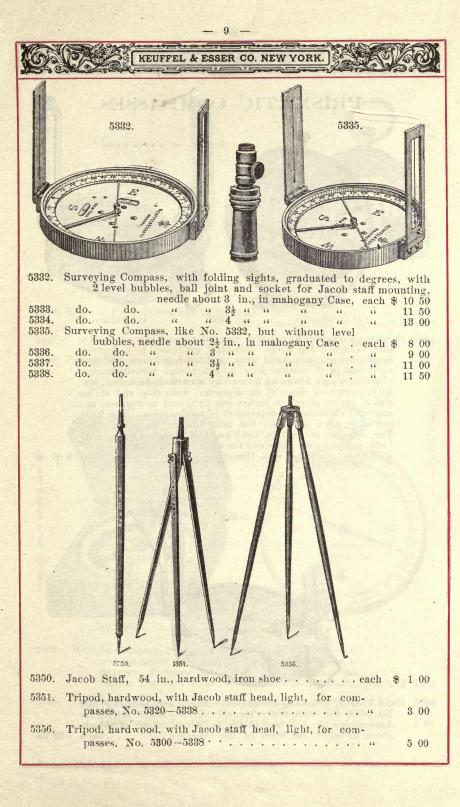


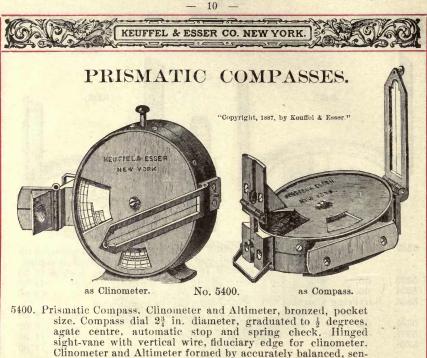
No. 5321.

5320.	Surveying Compass, with folding sights, graduated to
	degrees on raised ring, variation plate, two level bub-
	bles, ball joint and socket for Jacob staff mounting,
	needle about $3\frac{1}{2}$ in., in polished mahogany Case each \$ 16 00
	and the pathons of the second ball and the pathons in the second second
5321.	do. do. needle about 4 in., in polished måhogany
	Case
2000	a la maile chart (1 in in a listed a la
5322.	do. do. needle about $4\frac{1}{2}$ in., in polished mahogany
	Case

Compasses No. 5320 to 5322 are of the most practical construction and very carefully and substantially made. The variation of the needle is set off by means of a pinion with capstan head, which admits of very precise adjustment. With these compasses we furnish adjusting pins of phosphor bronze, which do not disturb the needle.

For Jacob Staff and Tripods see page 9.

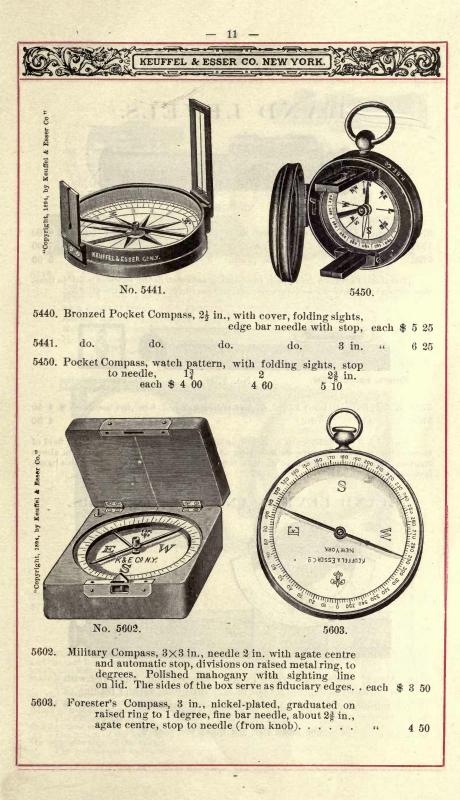






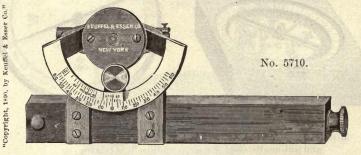
5406. Hand Transit, prismatic compass, clinometer and altimeter, like No. 5400, but with reversible, sliding, adjustable mirror for determining the bearing, in the horizontal plane, of objects above or below the level of the observer each

30 00



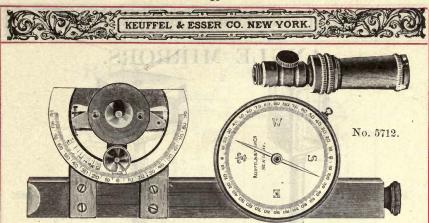


HAND LEVELS AND CLINOMETERS.



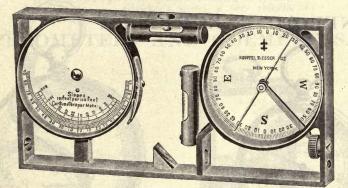
5710. Abney's Reflecting Level or Pocket Altimeter, 5 in., improved, with arc divided to degrees for 60° in each direction, vernier reading to 5 minutes, gradients 1:1 to 1:10, in sewed leather case... each \$ 13 50

For Jacob staff and tripod see page 9.



K & E Abney Level, 6 in., arc graduated to degrees for 90° in both directions, vernier to 5 minutes, Gradients from 1:1 to 1:10. 5712. Base of tube is finished, so that the instrument can be used also as a contact level. Compass 2 in., silvered dial divided to degrees, needle about 15 in., agate centre and stop. Two screw sockets, so that level can be mounted on the ball joint socket either with the arc vertical or with the compass horizontal.

Instrument complete with ball joint and socket, in stout . . each \$20 00 sewed, velvet lined leather sling Case



No. 5718

. . . . each \$15 00 K & E Pocket Omnimeter, in sewed leather case . 5718 like No. 5718, but with sights 5719 66 66 along one side of the frame, which fold into the 18 00 66

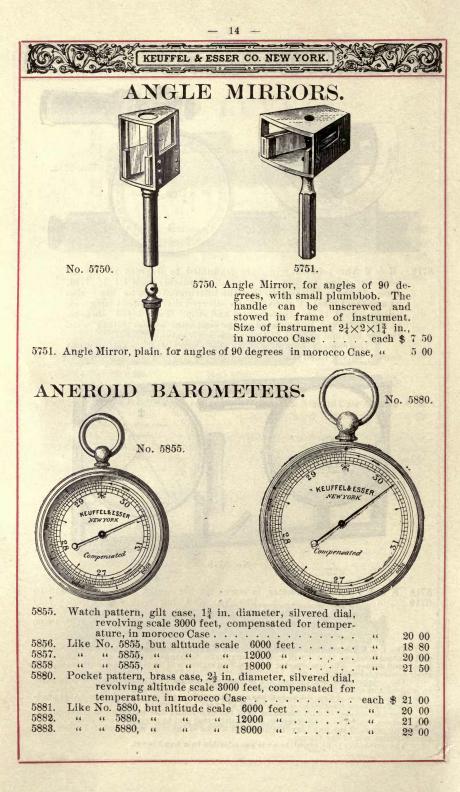
The K & E Pocket Omnimeter combines a compass, clinometer, hand level, plumb and contact level, so that it will indicate magnetic bearings, azimuth angles, altitudes, levels and slopes. The Omnimeter with folding sights will indicate azimuth angles in

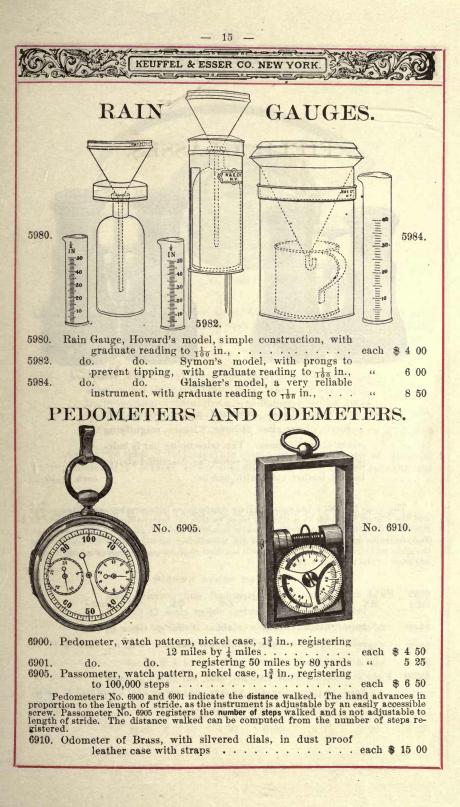
The combination is arranged in a rectangular frame of aluminum alloy, 5/x2%x%in and weighs about 5 ounces. The frame serves also as fiduciary edge. The Compass of 2 in. diameter, has a needle with agate centre and stop. It is grad-

The Olimpass of 2 in. diameter, has not in the degrees. The Clinometer of 2 in. diameter, is of the pendulum disc pattern. It is graduated to 2 degrees, reading to 90 degrees in either direction and to percentage of slope. The prism of the hand level is attached to one of the long sides and its bubble is on

the opposite side of the frame. The bubbles are as sensitive as is permissible in a hand level.

13





FIELD GLASSES.

16

& ESSER CO. NEW YORK



No. 6927.



No. 69351.

6927. Field and Marine Glass, japanned and covered with morocco, object glass 24 lines, 8 lenses, magnifying power about 3³/₄ times. The telescoping bar is independent of the focusing screw, as described above. In soft leather case, with handle each \$ 15 75

The glass No. 6927 represents a happy compromise between the magnifying power and the size of the field, as neither of these factors has been reduced at the expense of the other. This makes it particularly well adapted for a search glass and for general use. The focusing screw is independent of the telescoping arrangement, so that closing the glass and drawing the tubes out will not disturb the focus to which they have been adjusted by the focusing screw.

6935. Field and Marine Glass, japanned and covered with morocco, with sun shades, object glass 21 lines, 6 lenses, magnifying power about 3 times. Glass in sole leather case with handle and shoulder strap. each \$ 12 75

. . 14 20



No. 7262 D. P.

Conclust K & E Steel Tree Tape, ¹³/8 in. wide, stout bent leather case, patent centre, long swiveling flush folding handle, opened by pushing handle pin from opposite side of case. Nickel plated mountings. Jointed anchor peg for attaching to tree. Graduations begin at end of line.

7262. Cornell K & E Steel Tree Tape, finest quality, 50 ft., one side divided 10ths and 100ths feet, other side divided in the proportion of circumference to diameter, to feet, 10ths and 100ths, jointed steel peg for fastening end of line to the tree....each \$ 9 65

As the two sides of this tape] are graduated in the ratio of diameter to circumference (1:3.1416), either dimension can be read off opposite the other.

Conclu K & E Steel Tapes, 3/8 in. wide, stout bent leather case, patent centre, long swiveling flush folding handle, opened by pushing handle pin from opposite side of case. Nickel-plated mountings. Graduations begin at outside end of ring,

Length in	n feet,	25	33	50	66	75	100
10ths of feet	• • No	. 7250D	7251 <i>D</i>	7252D	7253D	7254D	7255D
12ths	• •	7250 <i>T</i>	7251 <i>T</i>	7252T	7253 <i>T</i>	7254 <i>T</i>	7255 <i>T</i>
	each	\$ 4 15	4 75	6 65	8 45	9 60	11 85
	72.5						
10ths of feet and 1	Links No	.7250DL	7251DL	7252DL	7253DL	7254 <i>DL</i>	7255DL
12ths		7250 <i>TL</i>	7251 <i>TL</i>	7252 <i>TL</i>	7253 <i>TL</i>	7254 <i>TL</i>	7255 TL
	each	\$ 4 30	4 95	6 85	8 75	9 90	12 15

Please order by number.



Please order by number.

Linput K&E Steel Tape, 1/4 in. wide, stout bent leather case, patent centre, long swiveling flush folding handle, opened by pushing handle pin from opposite side of case. Nickel-plated mountings. Graduations begin at outside end of ring.

Length in feet, Dimensions, Weight complete,	25 $2\frac{1}{4} \times \frac{1}{2}$ in. $3\frac{1}{2}$ oz.	$\begin{array}{c} {\bf 50} \\ 2\frac{3}{4} \times \frac{1}{2} \text{ in.} \\ 5 \text{ oz.} \end{array}$
10ths of feet	No. 7270 <i>D</i> 7270 <i>T</i> h \$ 3 65	7272 <i>D</i> 7272 <i>T</i> 4 45

The Liliput Steel Tape is warranted to be of the same grade, workmanship and accuracy as the other **K** & **E** Steel Tapes. It is made very compact and light and is therefore suitable and convenient for the pocket. It is a durable tape and will wear well.

The Home **K** & **E** Steel Tapes are intended to supersede the woven tapes which on account of their low price are often used where a more reliable tape ought to be employed. They are of best quality steel and accurately divided. The graduations and figures are bright while the ground surface is nearly black, so that the measurements are easily read. The neat sewed leather case is convenient to use and to carry in the pocket.



Please order by number.

Home K & E Steel Tapes, 3/8 in. wide, stout bent leather case, large centre, long folding handle. Nickel-plated mountings. Graduations begin at outside end of ring.

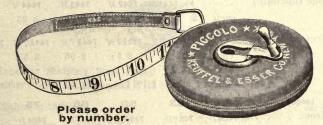
	Length in feet,	25	50	75	100
10ths of feet	· · · · No	. 7350D	7352 <i>D</i>	7354 <i>D</i>	7355 <i>D</i>
· 12ths		7350 <i>T</i>	7352 <i>T</i>	7354 <i>T</i>	7355 T
	each	\$ 3 20	3 90	5 10	6 60

18

KEUFFEL & ESSER CO. NEW

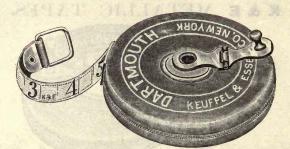


and - ar	1.1.1.1.1.1.1	10430	or a cr is	J			
Length	in feet,	25	33	50	66	75	100
10ths of feet	· · · No.	7420D	7421D	7422 <i>D</i>	7423D	7424D	7425 <i>D</i>
12ths		7420 T	7421 <i>T</i>	7422 <i>T</i>	7423 T	7424 <i>T</i>	7425 T
ALLEY ALLEY	each 8	B 1 95	2 25	2 75	3 05	3 35	4 10
10ths of feet and	Links, No	. 7420DL	7421 DL	7422DL	7423DL	7424DL	7425DL
12ths		7420 <i>TL</i>	7421 TL	7422 <i>TL</i>	7423TL	7424 <i>TL</i>	7425 <i>TL</i>
25. 30	each 8	\$ 2 05	2 35	2 85	3 25	3 50	4 40



Siccolo K & E Metallic Tapes, 3/8 in. wide, stout bent leather case, patent improved centre with flush folding handle, all mountings nickelplated, line interwoven with metal, end re-enforced with leather.

Length in feet,	25	50
Size,	$2rac{3}{4} imes rac{5}{8}$ in.	$3\frac{5}{8} \times \frac{5}{8}$ in.
Weight complete,	$4\frac{1}{2}$ oz.	8½ oz.
10ths of feet	No. 7480D	7482 <i>D</i>
12ths	7480 <i>T</i>	, 7482 <i>T</i>
each	\$ 1 75	2 20



20

KEUFFEL & ESSER CO. NEW YORK.

Dartmouth K & E Metallic Tapes, ⁵/8 in. wide, stout bent leather case, long folding handle, all mountings nickel-plated, line interwoven with metal, leather re-enforced end. Graduations begin at outside end of ring. Please order by number.

Length i	in feet,	25	33	50	66	75	100
10ths of feet		7440 <i>D</i>	7441 <i>D</i>	7442 <i>D</i>	7443D	7444 D	7445 D
12ths		7440 <i>T</i>	7441 <i>T</i>	7442 <i>T</i>	7443 <i>T</i>	7444 <i>T</i>	7445 <i>T</i>
Yabit yest	each \$	1 65	1 95	2 45	2 75	3 05	3 80
10ths of feet and I	inks, No.	7440DL	7441DL	7442DL	7443DL	7444DL	7445DL
12ths	66	7440TL	7441 <i>TL</i>	7442TL	7443TL	7444TL	7445TL
Neset Lister	each	\$ 1 75	2 05	2 55	2 95	3 25	4 10
	Length	in Meters	. 10	15	20	25	30
Metric (one side	only).		No. 7441 M	7442 <i>M</i>	7443 M	7444 <i>M</i>	7445 M
		each	\$ 1 95	2 45	2 75	3 35	4 10
12ths of feet and 1	Metric		0. 7441 TV	7442 TM	7443 <i>TM</i>	7444 <i>TM</i>	7445 <i>TM</i>
	a special states		and the second second				
		each	\$ 2 05	2 55	2 95	3 55	4 10

K & E METALLIC LINES. (RE-FILLS.)

Length in feet,	25	33	50	66	75	100 '
10ths of feet	No. 7460D	7461 <i>D</i>	7462 D	7463D	7464 <i>D</i>	7465D
12ths	7460 <i>T</i>	7461 T	7462 <i>T</i>	7463 <i>T</i>	7464 <i>T</i>	7465 <i>T</i>
each	\$ 80	1 00	1 35	1 55	1 75	2 55
10 ^{ths} of feet and Links	No. 7460DL	7461 <i>DL</i>	7462DL	7463DL	7464 <i>DL</i>	7465DL
12ths	7460 <i>TL</i>	7461 TL	7462TL	7463 <i>TL</i>	7464 <i>TL</i>	7465 <i>TL</i>
each	\$ 90	1 10	1 50	1 75	1 95	2 85
Lengt	th in Meters,	10	15	20	25	30
Metric (one side only)) N	lo. 7461 M	7462 <i>M</i>	7463 M	7464 <i>M</i>	7465 M
	each \$	\$ 1 00	1 35	1 55	1 95	2 55
12ths of feet and Metric	c, No	o. 7461 TM	7462 <i>TM</i>	7463 <i>TM</i>	7464 <i>TM</i>	7465 TM
	each	\$ 1 05	1 45	1 75	2 15	2 85

EXCELSIOR POCKET STEEL TAPES.

- 21

KEUFFEL & ESSER CO. NEW YORK.

107 000

Patented June 26, 1894.



Excelsion Steel Pocket Tapes, 1/4 in. wide, patent German silver case, with spring and stop.

	Length in feet,	3	5	6	9	. 12
Inches to 16ths.	No.	7690 <i>T</i>	7691 <i>T</i>	7692 <i>T</i>	7693 <i>T</i>	7694 <i>T</i>
State Provent	each \$	1 00	1 25	1 40	1 90	2 50
Feet to 100ths .	· · · · · No. 3	7690D	7691 <i>D</i>	7692 <i>D</i>	7693D	7694 <i>D</i>
the a stated and	each \$	1 00	1 25	1 40	1 90	2 50



Excelsior Miniature Steel Pocket Tapes, 5/32 in. wide, patent German silver case, 1 in. diameter, with spring and stop, 36 in.

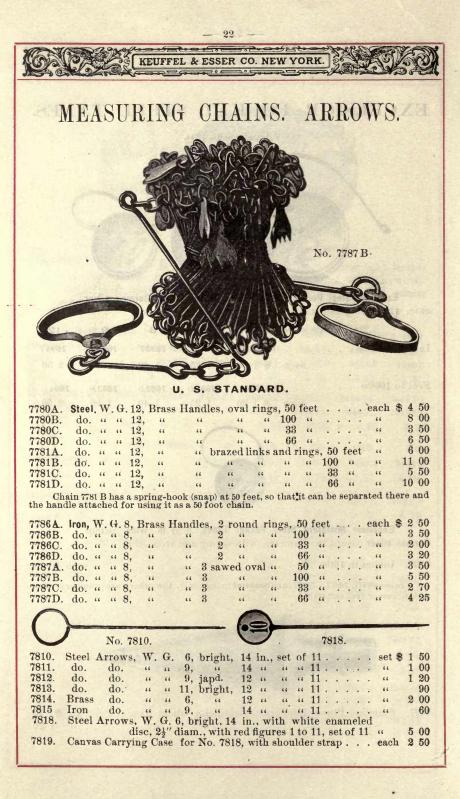
7707. Inches in 16ths

• • • • • • • • • • • • • • • • each \$1 00

Tapes 7690T, 7691T, 7692T. are numbered inches only, the others are numbered feet and inches, or feet and 10ths.



7777. Standard Plumb Bob, brass, steel point, about 8 oz. . . . ea. \$ 75 """ 1 20



TALLYING MACHINES.

23

KEUFFEL & ESSER CO. NEW YORK

Desi in themaniniam beyond full das off



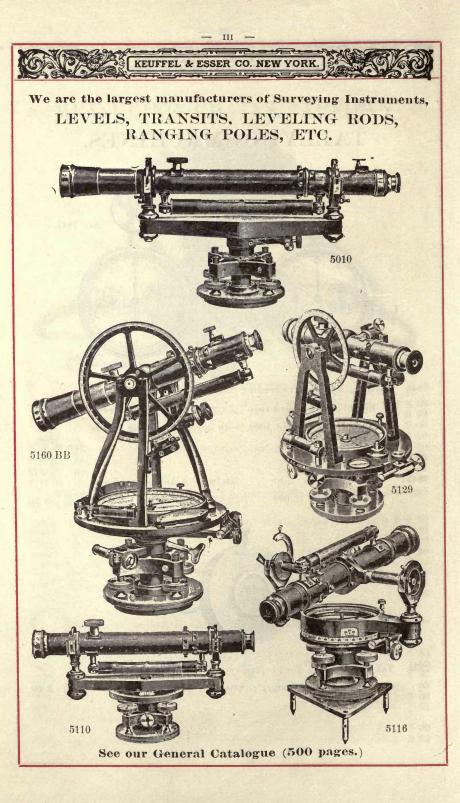


5 50

7847. do. do. do. but with 4 numbered dials, registering to 10,000.....



7854. Tallying Machine, for keeping count by pressing on a knob, nickel-plated. registers to 999.....each 2 50



Penta-Prism Range Finder, for determining distances from a short base line by sighting, and determining right angles.

200

IV **KEUFFEL & ESSER CO. NEW YORK.**

No. 5214

No. 5745

Traverse Table, simple construction, brass alidade, trough compass, hardwood tripod.

Plane Tables, various patterns.

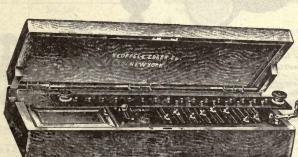
Planimeters, all kinds. Indicator Planimeters. Polar Planimeters, Compensating Planimeters, Pantograph Planimeters, Spherical Planimeters, Rolling Planimeters, Integrators, Integraph.

> Reckoning Machines for 12, 16 and 18 figures.

Calculations, such as Addition, Subtraction, Mul-tiplication, Divis-ion, Squaring, Cubing, Extract-ing of Square Roots, etc., can be performed with rapidity and unfailing accuracy and without mental effort by means of this machine.

Thacher Calculating Instrument, reads to four places, fifth place can be estimated.

See our general (500 page) catalogue.



No. 4230 .



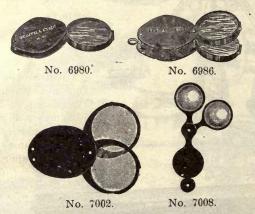
No. 4013.



No. 1727.

These Rules are made of carefully tempered spring steel, $\frac{3}{8}$ in. wide and graduated on both sides. They fold up smaller than any other rule, so that the 12 fold three foot rule is only $\frac{3}{8}$ in. thick $\times 3\frac{3}{8}$ in. long when folded. The divisions are sharp and accurate and the numbering is very distinct on dark ground. It runs in opposite directions on two sides. The aligning springs at the joints hold the rule in a rigid straight line when it is opened without in any way interfering with folding it opened without in any way interfering with folding it. Lengths 1, 2 or 3 feet (4, 8, 12 fold) in $\frac{1}{16}$ in. $\times \frac{1}{16}$ in., or $\frac{1}{16}$ in. $\times \frac{1}{100}$ ft.,

the 3 ft. also $\frac{1}{16}$ in. \times mm.



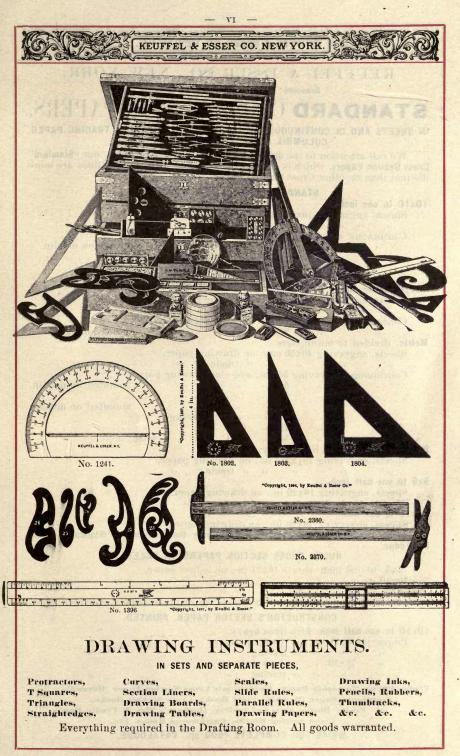
These glasses have a large, flat field and good magnifying power and are well adapted for reading graduations on Surveying and Forestry Instruments.



No. 3400.

3400.	Red Chalk (Keel) in Ced	lar for markin	ng stakes	,
3401.	"	"	"	"	very thick.
3402.	Red Chalk (Keel) in Stie	cks, covered v	vith pape	er, thin.
3403.	66	64		"	medium.
3404.	66			"	thick

SEE OUR GENERAL (500 PAGE) CATALOGUE.



— VII —
KEUFFEL & ESSER CO. NEW YORK.
KEUFFEL & ESSER CO., NEW YORK. Branches: Chicago, St. Louis, San Francisco.
STANDARD CROSS SECTION PAPERS.
IN SHEETS AND IN CONTINUOUS ROLLS. ON DRAWING PAPER, COLUMBIA CLOTH AND TRACING CLOTH.
We call attention to the quality of the paper on which we print our "Standard" Cross Section Papers, which is a fine, tough drawing paper. The lines are more distinct than on other Cross Section Papers.
STANDARD CROSS SECTION PAPERS.
10x10 to one inch. Sheets, engraving 16x20 in., on drawing paper.
" " " " tracing "
Continuous, engraving 20 in. wide on drawing paper.
" " 2) " " " " " mounted on muslin. " 20 " " " tracing paper.
" " 20 " " " cloth.
" " 20 " " " Columbia cloth.
Sheets, engraving 17x22 in., on drawing paper.
" " " tracing "
Continuous, engraving 20 in. wide, on drawing paper.
Metric, divided to millimeters.
Sheets, engraving 40x50 cm., on drawing paper.
Continuous, engraving 50 cm. wide, on drawing paper.
" " 50 " " " " " mounted on muslin.
" " 75 " " " " " mounted on muslin,
" " 75 " " " " mounted on muslin. " " 50 " " " tracing "
" " 50 " " " cloth. 8x8 to one inch, fifth lines heavy.
Sheets, engraving $16\frac{1}{4}x21\frac{2}{8}$ in., on drawing paper.
" " " " tracing "
5x5 to one-half inch. Sheets, engraving 16x20 in., on drawing paper.
" " " " tracing "
- 12x12 to one inch.
Sheets, engraving 16x20 in., on drawing paper. All our Profile and Cross Section Papers bear the trade-mark "Standard" along
their edge.
RULED CROSS SECTION PAPERS, IN SHEETS.
5x5 to one inch, sheets $16x21$ in., on ledger paper. 10x10 " " " " " " " " " "
8x8 (1 (1 (1 (1 (1 (1 (1 (1
400 feet to one inch, sheets 16x21 in (Topographical paper), on-ledger paper.
CONSTRUCTOR'S SKETCH PAPER, PRINTED.
10x10 to one-half inch, fifth lines heavy. Engraving 5x7 ¹ / ₂ in., on drawing paper.
Engraving 5x73 in., on drawing paper.
" $7\frac{1}{2}$ x10 " " drawing "
a a tracing a
Profile Paper, Township Paper, Logarithmic Cross Section Paper (Durand's), Co-ordinate Paper (Webb's), Field Books, Cross Section Books,
Profile Books, open and folding, Dunham's Plat & Profile Books,
Cross Section Blocks, Earthworks Books, Etc.
WRITE FOR COMPLETE (500 pp.) CATALOGUE.

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