

THE A.

LIETZ

COMPANY

SURVEYING & DRAFTING SUPPLIES



FOUNDED • 1882 •

MANUFACTURERS OF
ENGINEERING, SURVEYING,
MINING *and* NAUTICAL
INSTRUMENTS

DRAWING MATERIALS
FIELD EQUIPMENT



GENERAL CATALOG
17th Edition

THE A. LIETZ COMPANY
Established 1882

Store
SAN FRANCISCO
70 Post Street

Main Office
SAN FRANCISCO
632 Commercial Street

Store
LOS ANGELES
913 So. Grand Ave.

PREFACE

In presenting this catalog, our 17th edition, may we ask for it the same cordial reception given our previous editions.

This new catalog is carefully revised and corrected to date and supersedes all former editions.

The articles manufactured by this Company are quoted at prices consistent with their quality of workmanship and material. We endeavor to place before the public the very best that can be produced or obtained, without imitating in shape or design the products of other makers. All our articles are of the most recent standard, with every known improvement.

We are publishing this catalog without prices as, due to constant changes in the labor and material markets, prices are subject to change. A separate price list will be found in the back of this catalog and we shall issue revised price lists from time to time as necessity may demand.

We thank our many friends for their continued good will and patronage which has enabled us to grow and expand and it shall always be our endeavor to give our friends and patrons the best in service and to maintain our reputation for the absolute reliability of our products, which we are proud to state are today regarded as the very highest and best possible to obtain.

THE A. LIETZ COMPANY.

San Francisco, January, 1938.

TELEGRAPHIC CODE

When telegraphing orders our customers will find it convenient to use the code words which will be found opposite the item in our catalog.

Telegraph Address:

**THE A. LIETZ COMPANY, 632 COMMERCIAL STREET,
SAN FRANCISCO, CALIF.**

Cable Address: **CYCLOTOMIC, SAN FRANCISCO, U. S. A.**

Use A. B. C., 5th Edition, or A. B. C., 5th Edition Improved, or Bentley's Codes in connection with our private Code Words.

THE A. LIETZ COMPANY

SALES BRANCHES AND AGENCIES



Lietz Instruments and Supplies may be obtained from our stores in SAN FRANCISCO, and LOS ANGELES, also from leading dealers in other cities in the United States, the Philippine Islands, Hawaii, Canada and Mexico.

Our branches carry a complete stock of all Lietz Instruments and Supplies and have in connection a modern repair shop in charge of experienced mechanics especially trained for repairs to Surveying Instruments of all makes and other Scientific Equipment.

THE A. LIETZ COMPANY

Established 1882

Store
SAN FRANCISCO
70 POST STREET

Main Office
SAN FRANCISCO
632 COMMERCIAL STREET

Store
LOS ANGELES
913 So. GRAND AVENUE

THIS MANUAL WAS WRITTEN EXPRESSLY FOR THIS COMPANY
AND THE MATTER THEREIN CONTAINED IS PROTECTED BY
COPYRIGHT. PARTIES INFRINGING WILL BE PROSECUTED

Entered According to Act of Congress in the Year 1938

BY

THE A. LIETZ COMPANY

In the Office of the Librarian of Congress at Washington



THE A. LIETZ COMPANY FACTORIES

•
GENERAL OFFICE
AND
FACTORY

632 Commercial Street
San Francisco, Calif.

•



The A. Lietz Company Plant at Los Angeles

SLIDE RULES

The Slide Rule is an indispensable aid to anyone who in his business is called upon to make calculations. The principles with which one must be familiar are few and simple and are easily mastered with little practice.

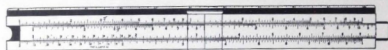
DEMONSTRATION SLIDE RULE

Demonstration Slide Rules for educational purposes are strongly built of well seasoned hardwood. They are light in weight and can be easily carried or hung on the wall. Complete with indicator.

- No. 2958.** Demonstration Slide Rule, 84 inches long; graduated like No. 2964. Code Word **STAG**
- No. 2959.** Demonstration Slide Rule, 94 inches long; graduated like No. 3054. Code Word **STAGAL**

MANNHEIM SLIDE RULES

Best Quality Adjustable



These Rules are engine divided on white celluloid facings. The divisions are clear, distinct, permanent and accurate. On the upper face are two sets of logarithmic scales, A, B, C, and D. On the under side of the slide are the S and T scales for carrying out trigonometrical calculations. Also a logarithmic L scale for easily determining higher powers and roots.

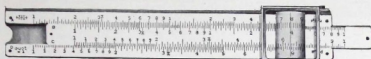
- No. 2960.** 5-inch Mannheim Rule in sewed leather case, with instructions. Each Code Word **STAGER**
This rule is subdivided as closely as the 10-inch rule No. 2964.
- No. 2964.** 10-inch Mannheim Rule in morocco case, with instructions. Each Code Word **STAGY**
- No. 2969.** 20-inch Mannheim Rule in morocco case, with instructions. Each Code Word **STALLAGE**
Rule No. 2969 has from 200 to 29 subdivisions between the prime numbers, while the shorter rules have from 100 to 10, therefore the reading is closer by at least one figure.
- No. 3060H.** Glass Indicator with two hairlines instead of one, add. Code Word **STALLER**

For complete line of Indicators, Instruction Books and Slide Rule Accessories, see page 325.

SEE PRICE LIST IN BACK OF CATALOG

VEST POCKET SLIDE RULES

The slide rules listed on this page are so designed and proportioned as to fit the vest pocket. They are accurately engine divided on white celluloid facings; perfected body construction; will not warp or get out of adjustment.



No. 2970

- No. 2970.** Junior Slide Scale, 4 inch, Mannheim type; with A, B, C, D, S, L and T Scales; magnifying indicator, in leather case with instructions. Code Word **STALWART**



No. 2971

- No. 2971.** Vest Pocket Slide Rule, 5 inch, very thin model, Mannheim type; with A, B, C, D, Cl, S, L and T scales; in leather sheath with instructions. Code Word **STAMAS**



No. 2972

- No. 2972.** Junior Slide Rule, 4 inch, Mannheim type; with A, B, C, D, S, L and T scales; in leather case with instructions. Code Word **STAMEN**

SEE PRICE LIST IN BACK OF CATALOG

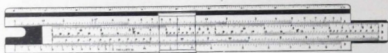
STUDENTS' SLIDE RULE



- No. 2974. Students' (Mannheim) Slide Rule, 10 inch, engine divided on white celluloid facings; with A, B, C, D, S, L and T scales; glass and metal indicator; in fabricoid case, with instructions. Code Word **STANHOPE**

THE ZENITH SLIDE RULE

Best Quality Adjustable



The Zenith Slide Rule has in addition to the regular scales of the Mannheim Rule a scale of cubes and an inverted scale through the center of the slide. These scales may be used in connection with the others, by means of the indicator. The inverted scale enables taking three factors at one setting of the slide, and reading reciprocals by means of the indicator. Almost any combination of three factors involving square, square root, cube and cube root may be solved at one setting of the slide.

Rules are engine divided on white celluloid facings. The divisions are clear, distinct, permanent and accurate.

- No. 2980. 5-inch Zenith Rule in sewed leather case, with instructions. Each. Code Word **STATER**
- No. 2984. 10-inch Zenith Rule in morocco case, with instructions. Each. **STATIC**
- No. 2984L. 10-inch Zenith Rule like No. 2984, in leather case, with instructions. Each. **STATITE**
- No. 2989. 20-inch Zenith Rule in morocco case, with instructions. Each. **STATUE**

NOTICE

Owing to the large variety of Slide Rules now being offered for varied or special purposes, we have listed only such types as are widely used. We are in position to furnish any type of slide rule which may better suit the requirements of our trade.

SEE PRICE LIST IN BACK OF CATALOG

THE ELECTRIC SLIDE RULE



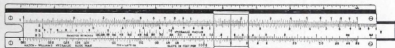
Especially evolved in response to a demand for a suitable Slide Rule for Electrical Engineers and for students in Electro-Technology.

Serves in an excellent manner the facility of calculation of all electro-technical problems. The table of constants, on the reverse of the rule, makes the reference to hand-books almost superfluous.

Engine divided on white celluloid facings. The divisions are clear, distinct, permanent and accurate.

- No. 3034. 10-inch Electric Slide Rule, in morocco case with directions. Each. Code Word **STELLATE**

HAZEN-WILLIAMS HYDRAULIC SLIDE RULE



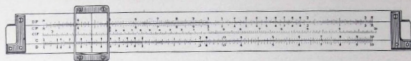
No. 3044

The Hazen-Williams Hydraulic Slide Rule is used principally for determining the velocity and quantity of the flow of water in pipes and channels, and is also adapted for ordinary slide rule calculations. Special computations may also be solved by its use, as, for instance, to determine the corresponding flow at any other slope or head, when the flow of water through a pipe or system of pipes produced by a given slope or head is known; to find what size of pipe must be used to produce the same discharge for any other slope, when the discharge in a given size of pipe at a given slope is known; to compute the discharge through a compound pipe, that is, a pipe of larger diameter connecting with a pipe of smaller diameter, or a series of such pipes; to compute the friction of a given amount of water flowing through two pipes of different diameters and different lengths, freely connected at each end; to get with one setting of the slide the quantity of water corresponding to any slope; to get with one setting of the slide the quantities of water discharged by pipes of different sizes for a given slope and coefficient. In size and general appearance the rule is like an ordinary Mannheim 10-inch slide rule. On the back of the rule are several tables to aid in the convenience of computations to which the rule is applicable. Engine divided on white celluloid facings. The divisions are clear, distinct, permanent and accurate.

- No. 3044. 10-inch Hazen-Williams Hydraulic Slide Rule, in morocco case, with directions. Code Word **STEREO**

SEE PRICE LIST IN BACK OF CATALOG

THE DOUBLE MULTIPHASE SLIDE RULE



Front



Back

Code Word

- No. 3054. Double Multiphase Slide Rule, 10 in. Engine divided on white celluloid facings. With double indicator in morocco case with instructions..... **STICCADO**
No. 3054L. Same as No. 3054 in sewed leather case..... **STILETTO**

The Double Multiphase Slide Rule is graduated on both sides with several special scales which the single face slide rules do not have. These scales in connection with the usual logarithmic scales and inverted scale make this rule valuable in the solution of problems involving exponentials, reciprocals and multiplication involving several factors. Being graduated on both sides, involved computations can be made with a minimum number of settings as the indicator circles the rule thus making it possible to read any scale in connection with any other scale.

The Double Multiphase Slide Rule has the following scales:

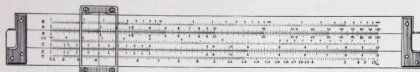
- DF**, a folded D scale. (The graduations begin and end near the middle of the scale with the division 3.1416 in line with the D scales indexes.)
CF, a full length C scale, folded like the DF scale.
ClF, a full length inverted folded C scale.
C, a full length C scale.
D, a full length D scale.

On the other face of the rule are the following scales:

- K**, a scale consisting of three complete logarithmic scales. (Used in connection with the D scale for cubes and cube roots.)
A, two complete logarithmic scales (used in connection with the D scale for cubes and cube roots.)
B, similar to the A scale.
S & T, the usual trigonometrical scales of sines and tangents.
Cl, a full length C scale inverted.
D, a full length regular D scale.
L, a scale of equal parts (for finding logarithms of numbers.)

SEE PRICE LIST IN BACK OF CATALOG

DOUBLE MULTI-LOG SLIDE RULE



Front



Back

- No. 3056L. Double Multi-Log Slide Rule, 10 inches. Engine divided on white celluloid. With double indicator, in sewed leather case. This rule is similar to our No. 3054L, but has, in addition, the Log Log Scales.
..... Code Word, **STIMAN**

The Double Multi-Log Slide Rule has the following scales:

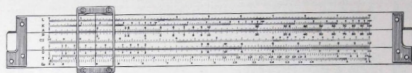
- K**, a standard logarithmic scale of three units for reading cubes and cube roots directly.
A, a standard logarithmic square scale divided 1 to 100 for reading squares and square roots.
B, same as A, logarithmically divided 1 to 100.
Cl, a standard C scale inverted. When used with C scales gives reciprocals by hairline, including confunctions (trig.).
C, a logarithmic scale divided 1 to 10 for multiplication and division when used in conjunction with D scale.
D, same as logarithmic C scale. When used with A scale gives the squares and with K gives the cubes.
T, gives tangent of θ angle directly from θ scale by use of hairline. Trigonometric function read directly up to 84.5° , as sines read directly up to 90° .

On the other face of the rule are the following scales:

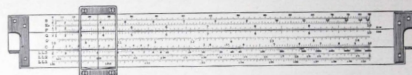
- θ , a trigonometric scale decimally divided to degrees and tenths of degrees. This scale is of special interest to the engineering field as trigonometric functions are read directly to 90° when used in conjunction with P, T, or Q scales.
R θ , a standard radian scale giving radians and percentages thereof, of θ angles.
P, a decimally divided sine scale, for directly solving $\sqrt{a^2 \pm b^2}$
Q, a decimally divided cosine scale, used with P scale.
Q', this is an extension of Q scale, used with P scale.
C, this is a single logarithmic scale divided 1 to 10.
LL1, LL2, LL3, Continuous Log Log Scales in three parts.

THE DOUBLE MULTI-LOG SLIDE RULE

with
New Patented Gudermanian Scale



Front



Back

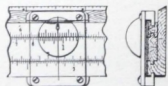
- No. 3057L. Double Multi-Log Slide Rule, 10", engine divided on white celluloid facings, with double indicator, in sewed leather case, with instructions..... **Code Word**
STIMASH

This rule is similar to our No. 3056L but has the following additional scales:

L, an equal parts scale, used with D scale to secure directly, the logarithm of any number.

G θ , a new patented Gudermanian (theorem) Scale. Reads directly $\sinh \theta$, $\tanh \theta$, gdx , also hyperbolic cofunctions $\cosh \theta$, $\operatorname{cot} \theta$ and $\operatorname{cosech} \theta$.

THE SLIP-LENS MAGNIFIER



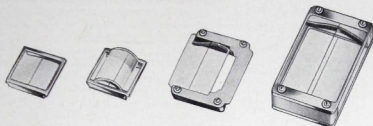
The Slip-Lens Magnifier is instantly attached to the slide rule indicator by slightly moistening its underside. It will instantly adhere to the indicator glass but can be moved up or down without taking it off the indicator. It magnifies the graduations about twice the actual size evenly and clearly in all directions. It need not be centered on the hair line but will give accurate reading from any position on the glass runner.

- No. 3058. Slip-Lens Magnifier. Each..... **Code Word**
STIMER

SEE PRICE LIST IN BACK OF CATALOG

SLIDE RULE ACCESSORIES

INDICATORS



- No. 3060A. Complete indicator for standard slide rule such as No. 2964, 2984, 3034, etc.
No. 3060B. Complete indicator for 20 inch rule such as 2969, etc.
No. 3060C. Complete indicator for double faced slide rule such as Nos. 3054, 3056, etc.
No. 3060D. Complete indicator with magnifier for slide rule No. 2970.
No. 3060E. Complete indicator for slide rule No. 2971.
No. 3060F. Complete indicator for slide rule No. 2972.
No. 3060G. Complete indicator for students' slide rule No. 2974.

GLASSES ONLY FOR INDICATORS

- No. 3062A. For Slide Rules up to and including 10 in. long, each.....
No. 3062B. For Slide Rules over 10 in. long, each.....

Be sure to specify the number of the rule for which indicator or glass is desired.

MAGNIFIERS

- No. 3065. Detachable Magnifier for Slide Rule Indicator. Each.....
When ordering please specify for which Slide Rule the Magnifier is wanted.

CASES FOR SLIDE RULES

- | | | | | |
|------------|--|---|----|----|
| No. 3068. | Morocco Case for Slide Rules. | | | |
| | Inches long— | 5 | 10 | 20 |
| | Each..... | | | |
| No. 3069. | Sewed Leather Case for Slide Rules. | | | |
| | Inches long— | 5 | 10 | 20 |
| | Each..... | | | |
| No. 3069M. | Sewed Leather Case with space for Magnifier. | | | |
| | Inches long— | 5 | 10 | 20 |
| | Each..... | | | |

INSTRUCTION BOOK FOR SLIDE RULES

- No. 3070. Instructions in the use of Slide Rules. 30 pages of complete instructions for all our slide rules with illustrations and examples. Paper Cover. Each.....

SEE PRICE LIST IN BACK OF CATALOG

THE MIDGET CIRCULAR SLIDE RULE



No. 3077

A most versatile calculator constructed entirely of metal and celluloid; therefore, practically indestructible; 4" in diameter; will solve any problem in multiplication, addition, subtraction and proportion; gives all possible roots and powers of numbers. The "Trig." scales give the Sines, Cosines, Tangents and Cotangents from 0 to 90 degrees and the angle can be read to 1/10 of a degree or to 1 minute, whichever is desired. Fractions and mixed numbers can be added and subtracted direct.

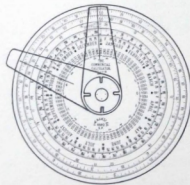
No. 3077. Midget Circular Slide Rule 4" in diameter with instructions, in durable fabrikoid case. Code Word, **SUALL**

APEX CIRCULAR SLIDE RULE

The scales on this rule are similar to those on No. 3077 Midget Slide Rule. The Apex Slide Rule is 8" in diameter and the C scale is more than 25" long and permits reading with great precision.

No. 3078. Apex Slide Rule, 8" in diameter, with instructions. Code Word, **SUARY**

COMMERCIAL CALCULATOR



No. 3079

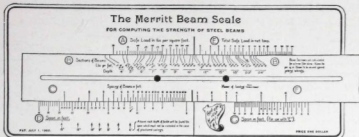
The Commercial Calculator quickly solves the large number of mathematical problems that come up daily in every office. Problems of interest, per cent of profit, freight rates, cost estimation, wages, percentages and proportion can be quickly solved on the Commercial Calculator. Made entirely of metal and celluloid, it is practically indestructible; diameter 5".

No. 3079. Commercial Calculator, 5" in diameter, complete with instructions. Code Word, **SUATE**

SEE PRICE LIST IN BACK OF CATALOG

THE MERRITT BEAM SCALE

For computing the strength of steel beams.



No. 3097

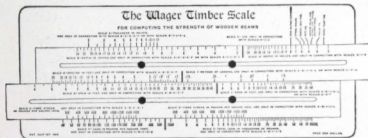
Absolutely accurate. Adapted to all conditions. Load, spacing, span, etc., found instantly. Mistakes absolutely eliminated.

The Merritt Beam Scale for computing the strength of steel beams is based on the principle of the Engineer's Slide Rule and was designed to simplify computations of this kind, and to eliminate all chance of errors. Tables and formulae are absolutely unnecessary when the Merritt Beam Scale is used, and the speed with which answers to widely varying problems may be solved can hardly be appreciated by anyone who has not had the pleasure of using it.

No. 3097. Merritt Beam Scale, on heavy bristol board. Code Word, **TABARD**

THE WAGER TIMBER SCALE

For computing the strength of wooden beams.



No. 3098

For computing the strength of wooden beams. Absolutely accurate. Adapted to all conditions. Load, spacing, span, etc., found instantly. Mistakes absolutely eliminated.

To illustrate the simplicity of the Scale the following is given:

How far apart shall 6 in. x 12 in. timbers of white oak be placed to safely support a load of 150 pounds per square foot, the span being 18 feet, and New York law governing the design?

Select the fibre stress for white oak allowed in New York City (given on back of scale; 1600 pounds). Place 12 in scale B below 6 in scale A. Place 1089 in scale E over 150 in scale F. Above 18 in Scale D read 3 ft.-0 in. in scale C.

The Wager Timber Scale, for computing the strength of wooden beams, contains more information than could be given in 500 pages of tables. It is based on the principle of the Engineer's Slide Rule, and five minutes' inspection will convince anyone that it is simplicity itself.

No. 3098. Wager Timber Scale, on heavy bristol board. Code Word, **TABINET**

SEE PRICE LIST IN BACK OF CATALOG

STADIA COMPUTORS

COX STADIA COMPUTOR

The Cox Stadia Computor is a circular slide rule of about fifteen inches effective length. The fixed outer scale, or base, is graduated to the logarithms of numbers from 1 to 1000. The movable inner disc, concentric with it, is graduated on a portion of its circumference to the logarithms of one-half the sine of twice the angles from 3 min. to 45 deg., and inscribed "Difference in Elevation." Another portion of its circumference is graduated to the logarithms of the cosine squared of the angles from 0 to 45 deg., and inscribed "Hor. Distance."

Printed on heavy celluloid, size $5\frac{3}{4} \times 8\frac{1}{4}$ inches, suitable for carrying in coat pocket.

No. 3104. Cox Stadia Computor.....Code Word, **TABOR**

STADIA SLIDE RULES



Code Word

- No. 3110. Stadia Slide Rule, engine divided, 10 in., white facing, glass indicator, in morocco case.....**TALARIA**
- No. 3111. Stadia Slide Rule, like No. 3110, but 20 in., in morocco case.....**TALIPES**

When the stadia rod reading and elevation of the telescope are known the horizontal distance and vertical height can in every case be obtained at once by one setting (always to the left) of the slide. The rule can also be used for ordinary computations as the under side of the slide has a scale corresponding to the lower scale of the rule and resembling the A and B scale of the ordinary Mannheim rule. Directions are printed on the rule.

STEEL TRIANGLES

- No. 3175. Steel Triangles, nickel plated, open center, 30x60 degrees.
Size, inches..... $10\frac{1}{2}$ 15
Code Word.....**TAPIR**
- No. 3176. Steel Triangles, nickel plated, open center, 45 degrees.
Size, inches..... 8 12
Code Word.....**TAPPET**

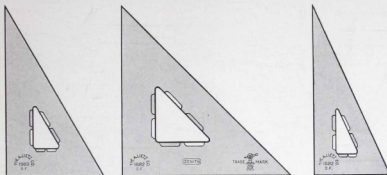
When ordering by telegraph be sure to state SIZE in addition to Code Word.

SEE PRICE LIST IN BACK OF CATALOG

TRANSPARENT CELLULOID TRIANGLES

Best Quality. With finger lifts.

Made in our own factory of heavy, thoroughly seasoned, clear, transparent celluloid, finely polished. Guaranteed to be true and reliable.

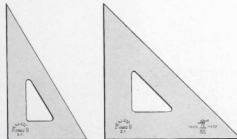


- No. 3180. Transparent Triangles, with finger lifts, 30x60 degrees.
Size, inches— 4 6 7 8 9 10 12 14 16 18
Code Word.....**TARRY**
- No. 3181. Transparent Triangles, with finger lifts, 45 degrees.
Size, inches— 4 6 7 8 9 10 12 14 16 18
Code Word.....**TARSUS**
- No. 3182. Transparent Triangles, with finger lifts, $22\frac{1}{2} \times 67\frac{1}{2}$ degrees.
Size, inches— 4 6 8 10
Code Word.....**TARTAN**

When ordering by telegraph be sure to state SIZE in addition to Code Word.

School Quality. Without finger lifts.

School Quality Angles are made of clear, transparent celluloid carefully selected and are equally as accurate as other grades. Somewhat lighter in weight they do not have the same high polish.



- No. 3185. Transparent Triangles, 30x60 degrees.
Size, inches— 8 9 10 12
Code Word.....**TASSEL**
- No. 3186. Transparent Triangles, 45 degrees.
Size, inches— 6 7 8 10 12
Code Word.....**TAZZA**

When ordering by telegraph be sure to state SIZE in addition to Code Word.

SEE PRICE LIST IN BACK OF CATALOG

Col-O-Met Flat White Edge Scales (Con't.)

| | | |
|-------|------|---------|
| 2551B | Each | \$ 2.00 |
| 2561M | Each | 3.60 |
| 2561B | Each | 3.30 |
| 2563M | Each | 8.50 |
| 2563B | Each | 7.70 |
| 2566M | Each | 1.35 |
| 2566B | Each | 1.20 |
| 2567M | Each | 2.25 |
| 2567B | Each | 2.00 |
| 2568M | Each | 6.00 |
| 2568B | Each | 5.00 |
| 2570M | Each | 2.25 |
| 2570B | Each | 2.00 |
| 2572M | Each | 2.25 |
| 2572B | Each | 2.00 |
| 2573M | Each | 2.25 |
| 2573B | Each | 2.00 |
| 2574M | Each | 2.25 |
| 2574B | Each | 2.00 |
| 2575M | Each | 2.65 |
| 2575B | Each | 2.40 |
| 2576M | Each | 1.35 |
| 2576B | Each | 1.20 |
| 2577M | Each | 2.25 |
| 2577B | Each | 2.00 |
| 2578M | Each | 2.85 |
| 2578B | Each | 2.60 |
| 2579M | Each | 2.85 |
| 2579B | Each | 2.60 |
| 2580M | Each | 2.20 |
| 2580B | Each | 2.20 |
| 2581M | Each | 2.20 |
| 2581B | Each | 2.20 |

TRANSPARENT UNDERWRITERS' SCALES

| | | |
|------|------|---------|
| 2663 | Each | \$ 3.25 |
| 2664 | Each | 4.25 |

TRANSPARENT FLEXIBLE RULERS

| | | |
|------|------|-------|
| 2666 | Each | \$ 15 |
| 2667 | Each | 25 |

WOODEN RULERS

| | | |
|----------|------|-------|
| 2672—12" | Each | \$ 20 |
| 2672—15" | Each | 25 |
| 2672—18" | Each | 30 |
| 2673 | Doz. | \$ 90 |
| 2673B | Each | 1.10 |
| 2674 | Each | .50 |
| 2674B | Each | .60 |
| 2675 | Each | 1.10 |
| 2675½ | Each | .55 |

YARD AND METER STICKS

| | | | | |
|------|------|---------|------|-----|
| 2676 | Doz. | \$ 2.75 | Each | .25 |
| 2677 | Doz. | 4.80 | Each | .45 |
| 2679 | Doz. | 7.00 | Each | .65 |

PROTRACTOR RULES CALIPER RULES

| | | |
|------|------|---------|
| 2681 | Each | \$ 2.50 |
| 2685 | Each | .75 |
| 2686 | Each | 1.10 |
| 2687 | Each | 2.10 |

FLEXIBLE STEEL TAPE RULES

| | | |
|-------|------|---------|
| 2690 | Each | \$ 1.50 |
| 2690D | Each | 1.75 |
| 2691 | Each | 1.50 |
| 2692 | Each | 1.25 |
| 2696 | Each | 3.25 |
| 2696D | Each | 3.25 |
| 2700 | Each | 1.00 |
| 2700D | Each | 1.25 |

FOLDING AND SPRING JOINT RULES

| | | |
|-------|------|---------|
| 2728 | Each | \$ 1.20 |
| 2728½ | Each | 1.50 |
| 2734 | Each | .40 |
| 2734W | Each | .45 |
| 2736 | Each | .55 |
| 2736W | Each | .60 |
| 2746 | Each | .55 |
| 2746W | Each | .60 |
| 2756 | Each | .55 |
| 2756W | Each | .60 |
| 2766 | Each | .55 |
| 2766W | Each | .60 |
| 2786W | Each | .80 |

ALUMINUM RULES

| | | |
|-------|------|---------|
| 2796 | Each | \$ 1.60 |
| 2796D | Each | 1.80 |

FOLDING STEEL RULES

| | | |
|------|------|--------|
| 2801 | Each | \$.55 |
| 2811 | Each | .55 |
| 2823 | Each | 1.65 |
| 2831 | Each | .15 |
| 2833 | Each | .15 |

MANUAL TRAINING RULES

| | | |
|------|------|---------|
| 2841 | Each | \$ 1.50 |
| 2842 | Each | 1.00 |

PARALLEL RULES

| | | |
|-------|------|---------|
| 2861 | Each | \$ 1.75 |
| 2862 | Each | 2.00 |
| 2863 | Each | 2.40 |
| 2864 | Each | 2.80 |
| 2865 | Each | 3.60 |
| 2932 | Each | 16.50 |
| 2934 | Each | 22.00 |
| 2935 | Each | 40.00 |
| 2932C | Each | 18.50 |
| 2934C | Each | 24.00 |
| 2935C | Each | 43.00 |

SECTION LINEERS

| | | |
|------|------|---------|
| 2948 | Each | \$ 4.25 |
| 2949 | Each | 4.75 |

ELLIPSOGRAPHS

| | | |
|------|------|---------|
| 2950 | Each | \$ 1.50 |
| 2951 | Each | 3.00 |
| 2952 | Each | 5.40 |

SLIDE RULES

| | | |
|-------|------|----------|
| 2958 | Each | \$ 15.00 |
| 2959 | Each | 25.00 |
| 2960 | Each | 5.25 |
| 2964 | Each | 6.20 |
| 2969 | Each | 15.00 |
| 3060H | Each | .30 |
| 2970 | Each | 3.25 |
| 2971 | Each | 3.00 |
| 2972 | Each | 2.50 |
| 2974 | Each | 2.00 |
| 2980 | Each | 6.25 |
| 2984 | Each | 7.00 |
| 2984L | Each | 7.80 |
| 2989 | Each | 17.50 |
| 3034 | Each | 9.00 |
| 3044 | Each | 10.00 |
| 3054 | Each | 9.50 |
| 3054L | Each | 10.50 |
| 3056L | Each | 12.00 |
| 3057L | Each | |

Slide Rule Accessories

| | | |
|----------|------|--------|
| 3058 | Each | \$.60 |
| 3060A | Each | .75 |
| 3060B | Each | 1.00 |
| 3060C | Each | 1.10 |
| 3060E | Each | .55 |
| 3060F | Each | .65 |
| 3060G | Each | .65 |
| 3062A | Each | .35 |
| 3062B | Each | .50 |
| 3065 | Each | 2.75 |
| 3068—5" | Each | .45 |
| 3068—10" | Each | .65 |
| 3068—20" | Each | 1.25 |

Slide Rule Accessories (Con't.)

| | | |
|-----------|------|---------|
| 3069—5" | Each | \$ 1.15 |
| 3069—10" | Each | 1.50 |
| 3069—20" | Each | 2.75 |
| 3069M—5" | Each | 2.50 |
| 3069M—10" | Each | 3.00 |
| 3069M—20" | Each | 4.25 |
| 3070 | Each | .50 |

CIRCULAR SLIDE RULES

| | | |
|------|------|---------|
| 3077 | Each | \$ 2.00 |
| 3078 | Each | 5.00 |
| 3079 | Each | 2.50 |

SPECIAL SLIDE RULES AND COMPUTERS

| | | |
|------|------|---------|
| 3097 | Each | \$ 1.40 |
| 3098 | Each | 1.40 |
| 3104 | Each | 1.50 |
| 3110 | Each | 6.50 |
| 3111 | Each | 16.00 |

STEEL TRIANGLES

| | | |
|-----------|------|---------|
| 3175—10½" | Each | \$ 9.20 |
| 3175—15" | Each | 9.20 |
| 3176—8" | Each | 9.20 |
| 3176—12" | Each | 13.90 |

CELLULOID IN SHEETS

| | | |
|-------------------------|------|----------|
| 3220—Full sheets, 20x50 | Each | \$ 10.50 |
| Running inch | Each | .30 |
| Square inch | Each | .03 |
| 3221—Full sheets, 20x50 | Each | 8.40 |
| Running inch | Each | .25 |
| Square inch | Each | .02 |

HYPERBOLAS, ELLIPSES AND PARABOLAS

| | | |
|------|------|---------|
| 3230 | Set | \$ 4.75 |
| 3232 | Each | 6.00 |
| 3233 | Each | 4.75 |
| 3234 | Each | 10.00 |

IRREGULAR CURVES

| | | |
|--------------|------|---------|
| 3240 | Each | \$ 2.40 |
| Instructions | Each | .25 |
| 3242 | Each | 1.60 |
| 3244 | Each | 2.20 |
| 3246 | Each | 1.50 |

FRENCH CURVES

| | | |
|-------------|------|--------|
| 1251—Pat. 1 | Each | \$.55 |
| 2 | Each | .55 |

TRANSPARENT CELLULOID TRIANGLES

| | | |
|---------|------|---------|
| 3180—4" | Each | \$.30 |
| 6" | Each | .40 |
| 7" | Each | .45 |
| 8" | Each | .50 |
| 9" | Each | .65 |
| 10" | Each | .85 |
| 12" | Each | 1.15 |
| 14" | Each | 1.85 |
| 16" | Each | 2.40 |
| 18" | Each | 3.40 |
| 3181—4" | Each | .35 |
| 6" | Each | .45 |
| 7" | Each | .60 |
| 8" | Each | .70 |
| 9" | Each | .90 |
| 10" | Each | 1.20 |
| 12" | Each | 1.75 |
| 14" | Each | 2.55 |
| 16" | Each | 3.90 |
| 18" | Each | 4.90 |
| 3182—4" | Each | .40 |
| 6" | Each | .50 |
| 8" | Each | .65 |
| 10" | Each | .95 |
| 3185—8" | Doz. | \$ 3.28 |
| 9" | Doz. | 4.08 |
| 10" | Doz. | 4.72 |
| 12" | Doz. | 7.04 |

| | | |
|---------|------|---------|
| 3186—6" | Doz. | \$ 2.88 |
| 7" | Doz. | 3.96 |
| 8" | Doz. | 4.72 |
| 10" | Doz. | 7.36 |
| 12" | Doz. | 11.12 |

ADJUSTABLE TRIANGLES

| | | |
|-------|------|---------|
| 3192A | Each | \$ 3.00 |
| 3192B | Each | 4.60 |
| 3192C | Each | 6.25 |

LETTERING INSTRUMENTS

| | | |
|---------|------|---------|
| 3194 | Each | \$ 1.00 |
| 3195—6" | Each | .95 |
| 3195—7" | Each | 1.00 |
| 3195—8" | Each | .95 |
| 3196—5" | Each | 1.00 |
| 3196—7" | Each | 1.15 |

MECHANICAL ENGINEERS' TRIANGLE

| | | |
|------|------|---------|
| 3197 | Each | \$ 2.00 |
|------|------|---------|

| | | |
|-------------------------|------|---------|
| 3222—Full sheets, 20x50 | Each | \$ 6.00 |
| Running inch | Each | .18 |
| Square inch | Each | .01½ |
| 3223—Full sheets, 20x50 | Each | 1.60 |
| Running inch | Each | .05 |
| Square inch | Each | .004 |
| 3224—Full sheets, 20x50 | Each | 1.60 |
| Running inch | Each | .05 |
| Square inch | Each | .004 |

| | | |
|-------------|------|--------|
| 3251—Pat. 3 | Each | \$.70 |
| 4 | Each | .70 |
| 5 | Each | .70 |
| 6 | Each | .65 |
| 7 | Each | .70 |
| 8 | Each | .55 |
| 9 | Each | .70 |
| 10 | Each | .85 |
| 11 | Each | .45 |
| 12 | Each | 1.30 |
| 13 | Each | 1.85 |

| | | |
|----------|------|---------|
| 3256—48" | Each | \$ 1.35 |
| 60" | Each | 1.90 |
| 3260 | Each | 3.00 |
| 3265 | Each | 36.00 |

ADJUSTABLE CURVES

| | | |
|------|------|---------|
| 3271 | Each | \$ 1.00 |
| 3272 | Each | 1.90 |
| 3278 | Each | 2.35 |
| 3279 | Each | 3.95 |

SPLINES AND SPLINE WEIGHTS

| | | |
|----------|------|--------|
| 3256—24" | Each | \$.85 |
| 30" | Each | .95 |
| 36" | Each | 1.05 |
| 42" | Each | 1.20 |

COLLINS' HIGHWAY CURVES

| | | |
|----------|-----|----------|
| 3285 | Set | \$ 30.00 |
| Separate | Set | 1.35 |
| 3286 | Set | 30.00 |
| Separate | Set | 1.35 |