

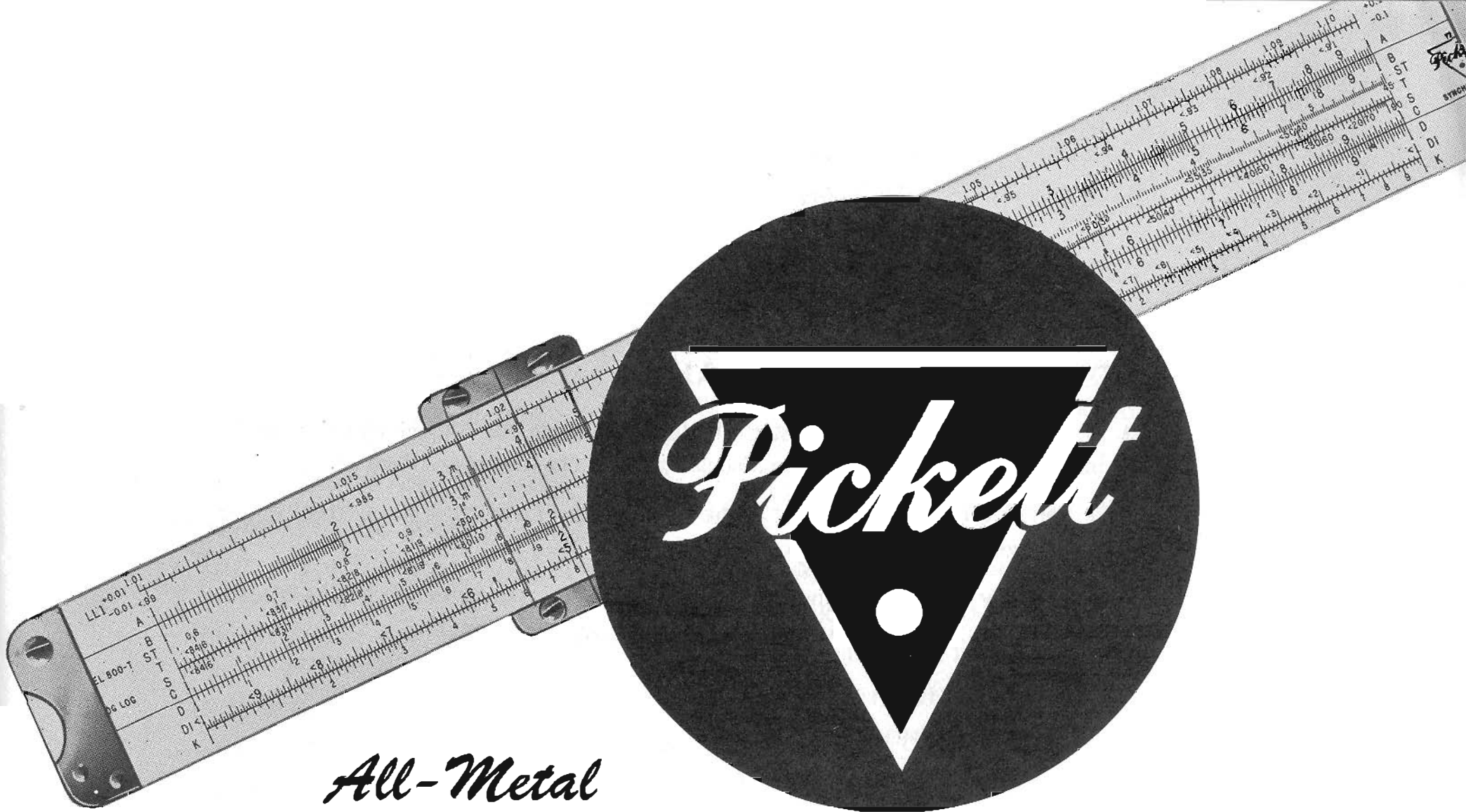


*All-Metal*

# SLIDE RULES

CATALOG 164-A





*All-Metal*

# SLIDE RULES

1954 CATALOG 164-A • Replaces 1953 Catalog No. 164

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## HOW TO USE THIS CATALOG

- IF YOU ARE FAMILIAR WITH SLIDE RULES, SEE SELECTOR "A" which gives you an instant comparison of slide rule Models by the scales they bear. (Page 6.)
- IF YOU ARE UNFAMILIAR WITH SLIDE RULES, SEE SLIDE RULE SELECTOR "B" for Models recommended for various subjects. (Page 7.)
- Then, study the illustrations in this Catalog, and ask the Salesman for the Models you need for your final selection.

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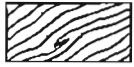
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# 3 REASONS WHY SLIDE RULES

Your Slide Rule should possess these three *basic*, built-in qualities illustrated and described on these pages:

## 1 PERMANENT DIMENSIONAL STABILITY



WOOD vs METAL

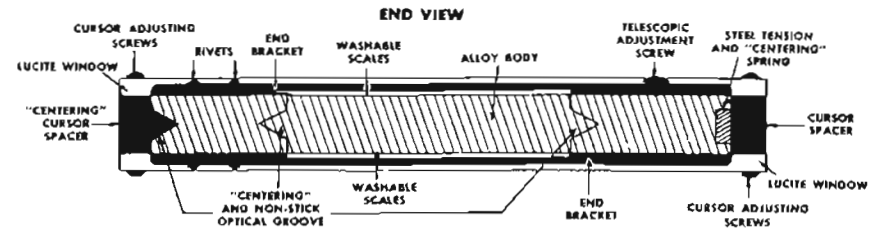


Wood is soft, cellular, distorts with humidity. Metal, a hard solid, retains its shape and accuracy permanently.



This Dealer Display illustrates how Pickett All-Metal Rules (with the slider moving continuously even though entirely under water) is unaffected by climatic conditions. Pickett Rules maintain their stability, accuracy and easy operation under conditions of heat, cold, humidity and salt sea air in any clime.

### *All-Metal* CONSTRUCTION



Pickett manufactures rules of light-weight, weather-proof metal to achieve simpler design, fewer parts, and a stable body that preserves accuracy. All of these features give you More Slide Rule Value at less cost.

### EASY SLIDER ACTION



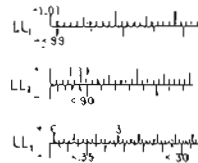
Small Bearing Surfaces

The small bearing surfaces on Pickett Rules tend to eliminate binding and to assure free, easy operation.

## 2 ACCURATE GRADUATIONS



Each Scale Graduation is calculated to 7 places, and then "Positioned" on the Scale to a theoretical Accuracy of  $\pm 2$  microns.



Each Scale Design is then Pattern-Fused to the All-Metal Body to preserve the exact accuracy of each graduation in the Scale Arrangement Pattern.

# ASSURE YOU OF...

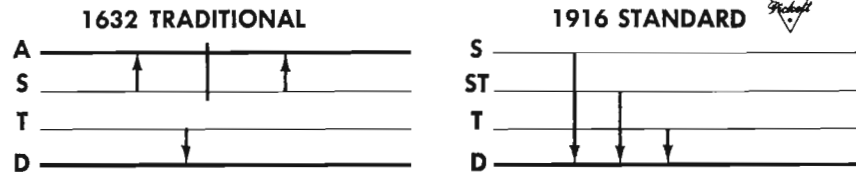
## 3 MODERN "ACCEPTED" SCALE ARRANGEMENTS

The diagrams below illustrate briefly the result of over 320 years of slide rule scale development. Pickett Slide Rules are a combination of the best scales in modern scale arrangement designed to achieve greater simplicity, range, accuracy, and the increased functional power needed to calculate today's advanced engineering problems.

### ● TRIGONOMETRIC SCALES

The S and T scales date back to Dela-main and Oughtred in 1632. The Traditional arrangement (where S referred to A and T to D) has been generally replaced by the Cuntz 1916 arrangement where both S and T refer to the D scale.

Seldom used now.



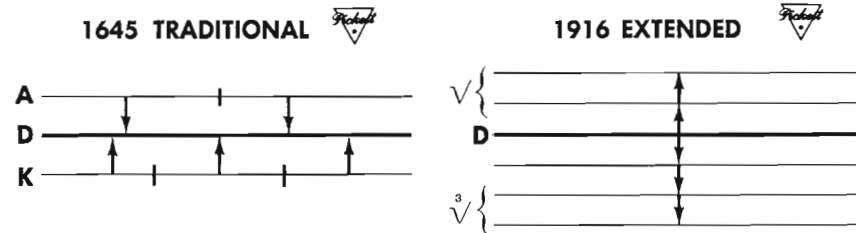
In 1916, G. R. F. H. Cuntz patented the combination of S, ST and T scales, all referring to the D scale. This arrangement is still used on today's Standard rules.

Accepted as standard on today's slide rules.

### ● SQUARE ROOT AND CUBE ROOT SCALES

The first 3-section logarithmic or K scale and the first 2-section or 2 radii A scale was first used and described in 1645 by Wingate in England. Both scales referred to the D scale.

Used on all standard rules except Pickett Dual-Base Log Log extended-scale Models 2-T, 3-T and 4-T.



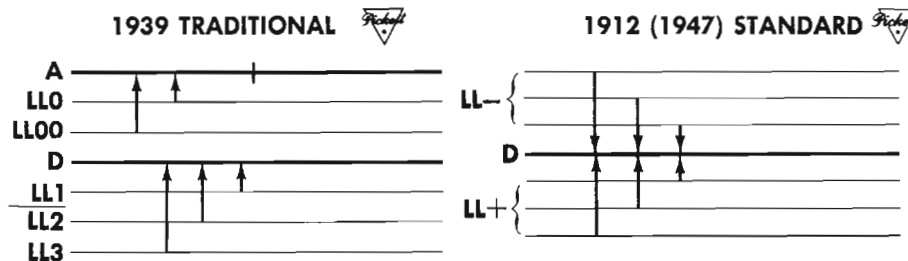
The G. R. F. H. Cuntz patent of 1916 first described the extended one-unit 20-inch Square Root scale and the one-unit 30-inch Cube Root Scales, both referring to the D Scale, and used on Pickett DUAL-BASE Rules.

See Pickett Dual-Base Log Log rules 2-T, 3-T and 4-T.

### ● LOG LOG SCALES

The arrangement of LL0, LL00 scales referring to the A scale, and LL1, LL2 and LL3 referring to the D scale was patented by Kells et al in 1939. In 1947 this arrangement was generally replaced by the Beckett idea of reciprocal Log Log scales all referring to the D scale.

See Pickett Traditional Model 500-T Log Log.

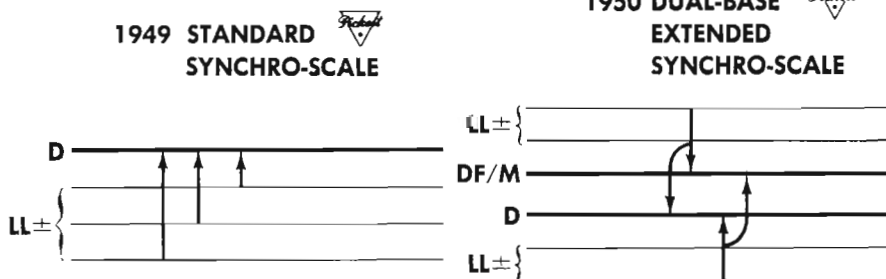


In 1912 Beckett patented 2 reciprocal Log Log scale, range from  $10^{-10}$  to  $10^{10}$  both referring to the D scale. In 1947 Beckett's reciprocal idea was generally used in the Standard Design of 3 LL- scales and 3 LL+ scales with a range from 0.00005 to 22,000. All scales referring to the D scale.

See standard Pickett Models 600 Pocket Log Log and 800-T Log Log.

In 1949 Pickett brought the Standard reciprocal LL- LL+ scales together in adjacent, Back-to-Back Synchro-Scale Design for easier reference and more accurate reading. See Models 800 and 600 Log Log Synchro-Scale Rules.)

See standard Pickett Models 600 Pocket Log Log and 800-T Log Log.



In 1950 Pickett developed the DUAL-BASE Log Log scale arrangement with logarithms both to Base 10 and Base e in 1 setting. Range from .000,000,000,1 to 10,000,000,000. All Log Log scales on one side of the rule and all referring to the D scale.

See Pickett Dual-Base Models 2-T Log Log, 3-T Log Log and 4-T Log Log Vector Hyperbolic.



# SLIDE RULE SELECTOR

# A

For Individuals  
**FAMILIAR**  
with Slide Rules

Use SELECTOR A to compare Models by Scale Arrangements. Then choose the Model Rule bearing the exact scales you need.

### LEGENDS:

- DUAL-BASE Log Log slide rules.
- ▼ SYNCHRO-SCALE Design arrangements.
- † Scales in degrees with decimal subdivisions.
- ★ Rule bears these scales on both sides.

Note SCALE CHARACTERISTICS for Main Purposes — Description	SCALE LEGENDS	SELECT MODEL WITH SCALES YOU NEED	LOG LOG					TRIG							
			2-T ▼	3-T ●	4-T ●	800-T ▼ 600	500-T 300	1010-T 1006	903-T	902-T	200	6T	901-T		
Multiplication, division, proportion in combination with other scales. Many other uses.	C-D	BASIC	C-D ★	C-D ★	C-D ★	C-D ★	C-D ★	C-D ★	C-D ★	C-D	C-D	C-D	C-D ★	C-D	
Multiplication, division, inverse proportion, reciprocals (with C), cotangents.	CI		CI ★	CI ★	CI ★	CI	CI	CI	CI	CI		CI	CI	CI	
Reciprocals (with D). Simplifies solution of many problems.	DI	INVERTED	DI	DI	DI	DI		DI							
Multiplication, division, reciprocals (with CF-DF).	CIF			CIF		CIF	CIF	CIF							
For Number on D (or C), Square is on A (or B). For Number on A (or B), Square Root is on D (or C).	A-B	10 <sup>1</sup> 20 <sup>1</sup> 30 <sup>1</sup>	SQUARES SQUARE ROOTS				A-B	A-B	A-B	A	A-B	A-B	A-B	A-B	
For Number on D, Square Root is on √ For Number on √, Square is on D.	✓			✓	✓										
For Number on K, Cube Root is on D. For Number on D, Cube is on K.	K	10 <sup>1</sup> 30 <sup>1</sup>	CUBES CUBE ROOTS				K	K	K	K	K	K	K	K	
For Number on D, Cube Root is on ∛. For Number on ∛, Cube is on D.	∛			∛	∛										
For Number on C (or D), Mantissa of Logarithm is on L, and conversely.	L		LOGARITHMS TO BASE 10	L	L	L	L	L	L	L	L	L	L	L	
For Angle Value on T, Tangent Value is on C or CI and conversely. Range 5.7° to 84.3°. Also for cotangents.	T		TRIGONOMETRIC †	T	T	T	T	T	T	T	T	T	T	T	
For Angle on ST, Sine or Tangent is on C, and conversely. Range 0.57° to 5.7°.	ST			ST	ST	ST	ST	ST <sub>1</sub>	ST			ST			
For Angle on S, Sine is on C, and conversely. Range 5.7° to 90°. Also for Cosine. Range 0.° to 84.3°.	S			S	S	S	S	S	S	S	S	S	S	S	S
Multiplication, division. Avoids resetting of slider. Especially useful when π is a factor. (DF) = π(D).	DFπ CFπ		FOLDED	DFπ CFπ	DFπ CFπ	DFπ CFπ	DFπ CFπ	DFπ CFπ	DFπ CFπ	DFπ CFπ			DFπ CFπ		
Logarithms to Base e with Log Log Scales. Also multipli- cation and division.	DF/M CF/M			DF/M CF/M	DF/M CF/M	DF/M CF/M									
Powers and Roots of Numbers less than 1 (with A-B scales). Also Logarithms, Base e. Range .00005 to .999.	LLO LLO0	20 <sup>1</sup>	LOG LOG					LLO LLO0						LLO LLO0	
Powers, Roots of Numbers greater than 1 (with C and D). Logarithms, Base e. Range about 1.01 to 22,000.	LL1 to LL3	30 <sup>1</sup>		LL1 to LL3					LL1 to LL3						LL1 to LL3
Powers and Roots of Numbers greater than and less than 1 (with C and D). Also Logarithms, Base e. Range about .00005 to 22,000.	LL1+ LL1- to LL3+ LL3-	60 <sup>1</sup>		LL1+ LL1- to LL3+ LL3-											
Powers and Roots. For Numbers less than 1, range from 10 <sup>-10</sup> to .9977. For Numbers greater than 1, range from 1.0023 to 10 <sup>+10</sup> . Logarithms to Base 10 on C-D scales, or to Base e on DF/M-CF/M scales with same direct read- ing. Decimal point locating feature.	LL1+ LL1- to LL4+ LL4-	80 <sup>1</sup>		LL1+ LL1- to LL4+ LL4-											
For X on Th, value of Hyperbolic Tangent (Tanh X) is on C, and conversely. Useful in electrical engineering.	Th		VECTOR HYPER- BOLIC			Th									
For X on Sh scales, value of Hyperbolic Sine (Sinh X) is on C, and conversely.	Sh	20 <sup>1</sup>		Sh											

LEGEND: 1 - ST, LLO, LLO0 not on Model 300.





# SLIDE RULE SELECTOR

# B

For Individuals  
**NOT FAMILIAR**  
 with Slide Rules

The diverse ramifications of industry, science and engineering have resulted in the development of specialized Slide Rules.

The day of the "All-Purpose" Slide Rule has gone forever.

This SELECTOR picks the right Slide Rule for your line of work.

FIELDS COVERED	SIZE 10" and 6" Companion	MODELS COMMONLY USED by Degree of Specialization		FACULTY APPROVED MODELS
		ADVANCED	GENERAL	
<b>• BASIC FIELDS OF SCIENCE</b>				
BIOLOGY: and Related Fields	10" 6"	800-T 600	1010-T 1006	
CHEMISTRY: and Related Fields	10" 6"	2-T, 800-T 600	1010-T 1006	
PHYSICS: and Related Fields Astronomy, Geology, Optics	10" 6"	2-T, 4-T, 800-T 600	1010-T 1006	
MATHEMATICS	10" 6"	4-T, 800-T 600	1010-T 1006	
<b>• BASIC FIELDS OF ENGINEERING</b>				
CHEMICAL: and Related Fields	10" 6"	2-T, 800-T 600	1010-T 1006	
CIVIL: and Related Fields	10" 6"	2-T, 800-T 600	1010-T 1006	
ELECTRICAL, ELECTRONICS: and Related Fields	10" 6"	4-T, 800-T 600	800-T, 1010-T 600-1006	
INDUSTRIAL:	10" 6"	2-T, 800-T 600	1010-T 1006	
MECHANICAL: and Related Fields Hydraulics, Thermodynamics, Aeronautics, Fluid Mechanics, Petroleum Engr.	10" 6"	2-T, 4-T, 800-T 600	800-T, 1010-T 600-1006	
<b>• PRODUCTION AND NON-TECHNICAL</b>				
ENGINEERING AIDS, DRAFTSMEN, SURVEYORS, and MACHINISTS	10" 6"	2-T, 800-T 600	1010-T 1006	
<b>• ECONOMICS AND BUS. MANAGEMENT</b>				
ACCOUNTING:	10" 6"	800-T, 510-T 600-400	510-T, 1010-T 400-1006	
INSURANCE and FINANCE:	10" 6"	2-T, 800-T, 510-T 600-400	510-T, 1010-T 400-1006	
PRODUCTION & QUALITY CONTROL:	10" 6"	6-T, 800-T 600	1010-T 1006	
STATISTICS:	10" 6"	2-T, 800-T 600	1010-T 1006	
SALES: Technical	10" 6"	2-T, 800-T 600	1010-T 1006	
Non-Technical	10" 6"	1010-T 1006	903-T 200	



# DUAL-BASE® LOG LOG SLIDE RULES

To all of the best features in modern slide rules have been added Dual-Base DF/M—CF/M Scales for greater flexibility. Extended LL Scales for greater Range, and extended  $\sqrt{\quad}$  and  $\sqrt[3]{\quad}$  scales for greater accuracy. The rules are simple to operate. This increased power greatly aids in solving today's more complex problems in electronics, aeronautics, thermodynamics, hydraulics, jet propulsion and all advanced engineering and physics work.

**NO OTHER SLIDE RULE COMBINES ALL OF THESE FOLLOWING FEATURES:**

**DECIMAL POINT LOCATING LEGENDS** simplify rule operation.

**NEW LOG LOG RANGE** from .000,000,000,1 to 10,000,000,000. replaces Traditional Range of .00005 to 22,000. on other rules.

**DUAL-BASE.** One setting gives Logarithms both to Base 10 on D scale and Base e on DF/M scale automatically.

**LOG LOG SCALES ON ONE SIDE OF RULE** saves turning rule over.

**C-D and CI SCALES ON BOTH SIDES** avoid turning rule over.

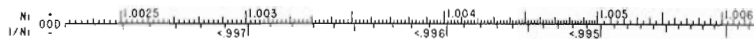
**30-INCH CUBE ROOT SCALE** permits direct reading to three places.

**20-INCH SQUARE ROOT SCALE** permits direct reading to three places.

**LEGENDS for Decimal Point Location on Models 2-T and 3-T.**

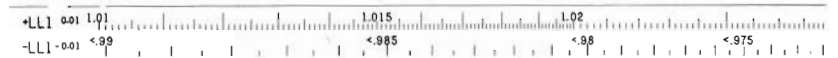
## AVAILABLE IN TWO TYPES OF SCALE DESIGN

### RECIPROCAL LOG LOG SYNCHRO-SCALES



Synchro-Scale Design places the complementary, reciprocal LL+ and LL- scales back-to-back to achieve easier and more accurate reading. (See Models 2-T and 4-T).

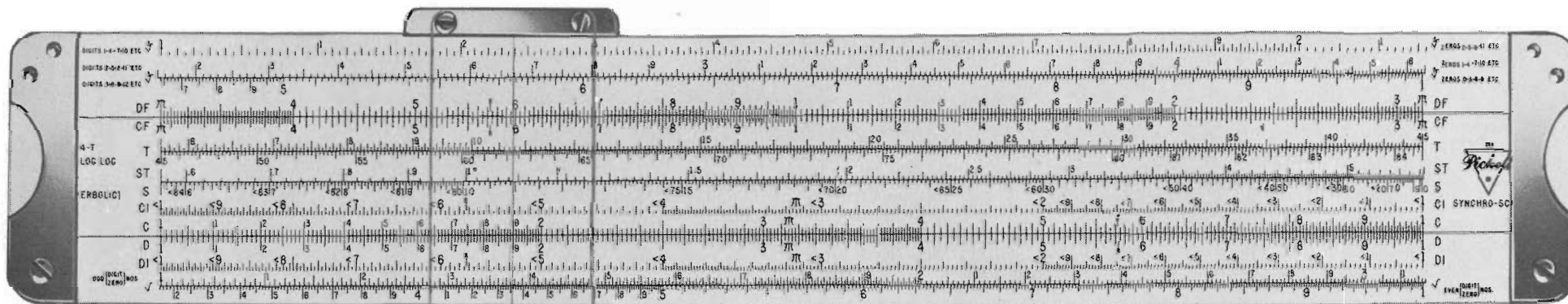
### SINGLE-SCALE DESIGN



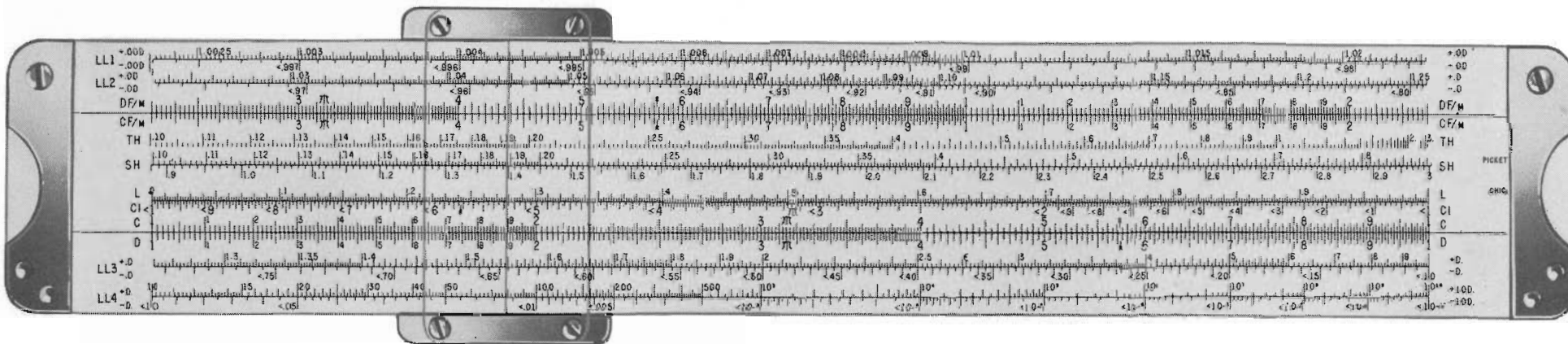
This arrangement of individual scales places the LL+ and LL- scales separately on the top and bottom slide rule members respectively. (See Model 3-T).



# MODEL 4-T DUAL-BASE® LOG LOG VECTOR HYPERBOLIC SYNCHRO-SCALE® SLIDE RULE



1950 DUAL-BASE SYNCHRO-SCALE Design



Size 12 1/8" x 2" x 3/32" Weighs 4 3/4 ounces. Boxed in transparent envelope in California Saddle-Leather, thin Scabbard-Type Carrying Case with Instruction Manual.

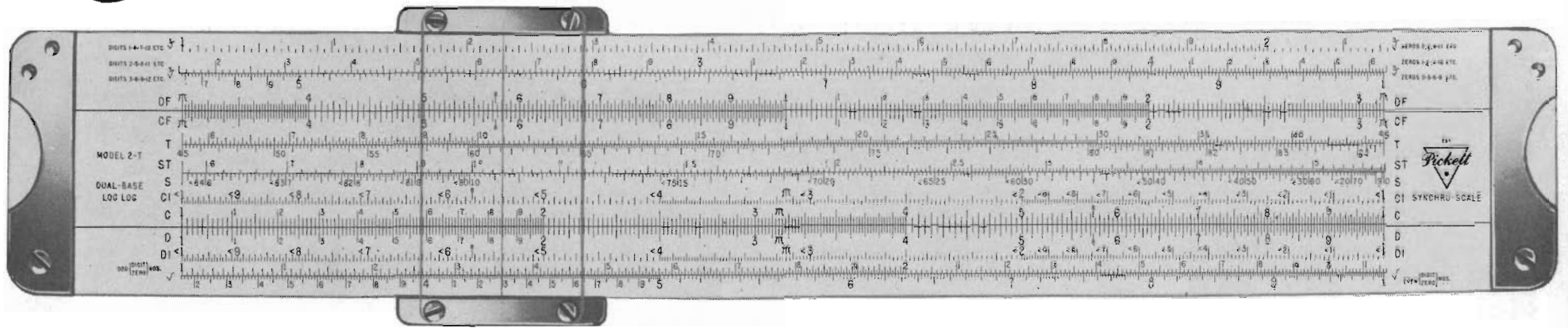
For solving Vector Hyperbolic problems, Th and Sh Scales have been added to the regular DUAL-BASE Scale Arrangement on Model 4-T. These scales replace the Legends shown on Models 2-T and 3-T.

The common engineering problem "Two sides and included angle" is solved by a single setting with the special Double-T Scale which extends right from 5.7 to 45° and then right from 45° to 84.3°.

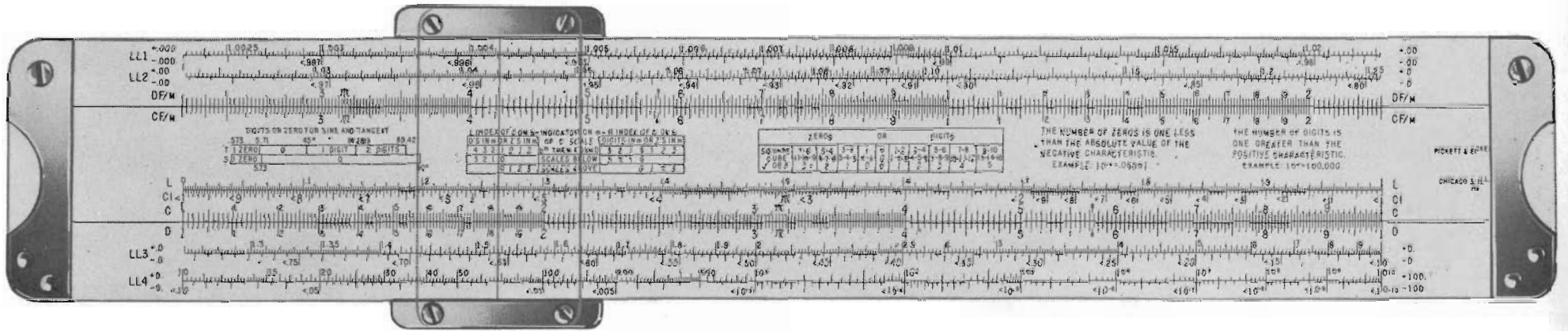
C-D scales, folded scales and inverted scales on both sides simplify successive settings, often avoid turning the rule over, and aid more accurate computation.



# MODEL 2-T DUAL-BASE® LOG LOG SYNCHRO-SCALE® SLIDE RULE



1950 DUAL-BASE SYNCHRO-SCALE Design



Model 2-T is identical with Model 4-T except that helpful Decimal Point Locating Legends replace the Hyperbolic Sh and Th scales on the back.

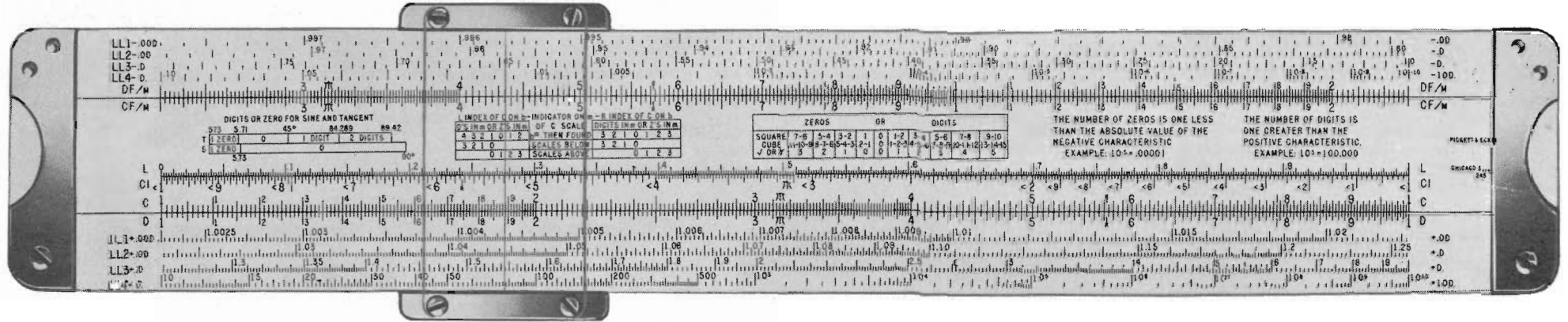
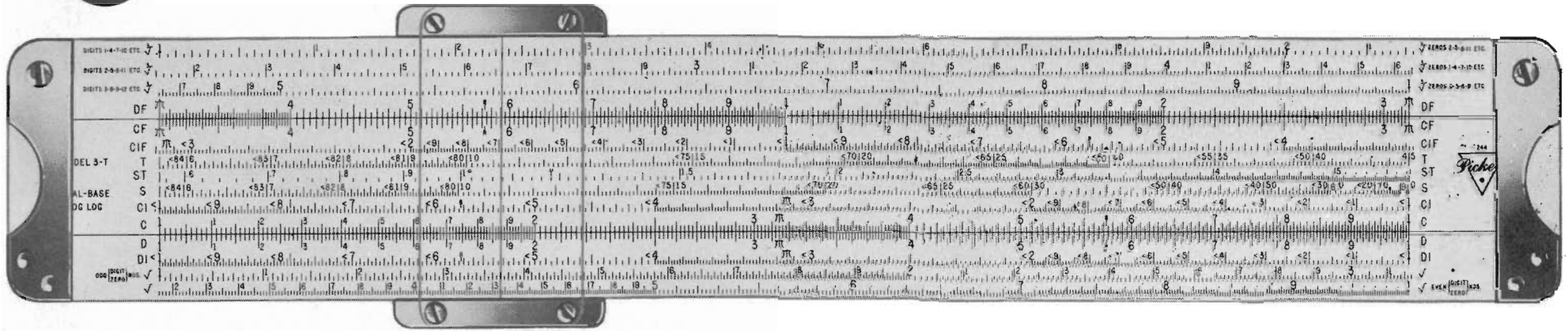
All scales on both sides coordinate and refer to the D Scale.

One setting of the Indicator or Hairline gives result, Square Root and Cube Root of the result on the  $\sqrt{\quad}$  and  $\sqrt[3]{\quad}$  Scales respectively, and Logarithm both to the Base 10 on the D Scale and Base e on the DF/M Scale.

Size  $12\frac{1}{8}'' \times 2'' \times \frac{3}{32}''$ . Weighs  $4\frac{3}{4}$  ounces. Bored in transparent envelope in California Saddle-Leather, thin Scabbard-Type Carrying Case with Instruction Manual.



# MODEL 3-T DUAL-BASE® LOG LOG SLIDE RULE



Model 3-T varies from Model 2-T in three respects:

- 1—The scales are in the traditional Single-Scale Design for those who prefer that arrangement.
- 2—A CIF Scale has been added to the back of the rule.
- 3—Model 3-T bears the traditional T Scale running right from 5.7° to 45°, then left from 45° to 84.3°.

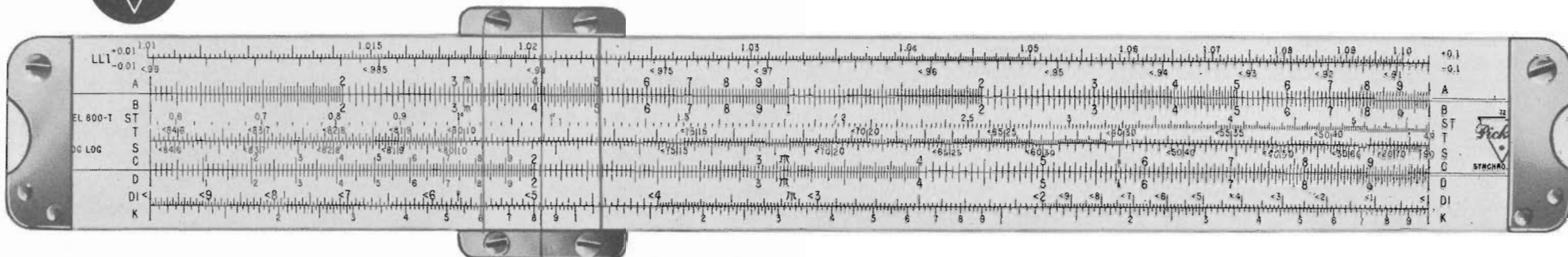
All LL+ Scales are located on the bottom rule member, while the LL- Scales are on the top rule member.

All other scales are identical in range and location on the rule as are the scales on Models 4-T and 2-T.

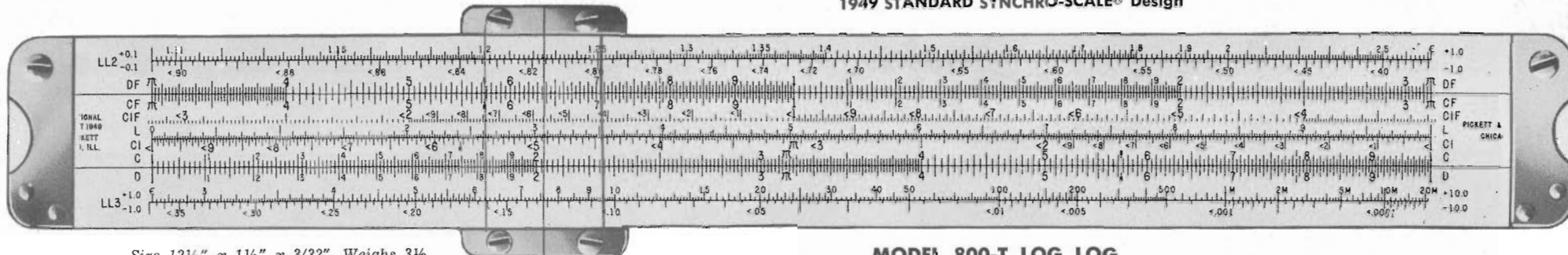
Size 12 1/8" x 2" x 3/32". Weighs 4 3/4 ounces. Boxed in transparent envelope in California Saddle-Leather, thin Scabbard-Type Carrying Case with Instruction Manual.



# LOG LOG SYNCHRO-SCALE® SLIDE RULES MODELS 800-T and 600



1949 STANDARD SYNCHRO-SCALE® Design



MODEL 800-T LOG LOG

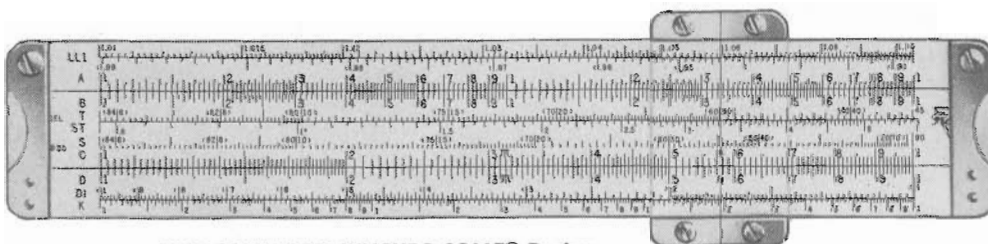
10-INCH

Size 12 1/8" x 1 1/2" x 3/32". Weighs 3 1/2 ounces. Boxed in Transparent Envelope in California Saddle-Leather Case with Instruction Manual.

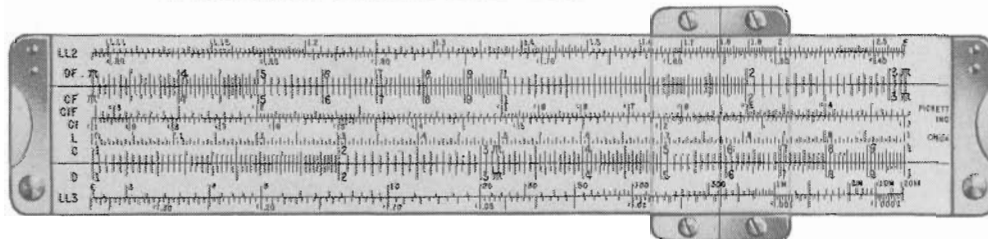
Both Models, 10-inch 800-T and Pocket-Size 600, bear a complete, Modern Decimal Trig Log Log Scale arrangement with these features:

- 1—Reciprocal Log Log Scales in back-to-back SYNCHRO-SCALE Design for faster, more accurate figuring.
- 2—C and D Scales on both sides to avoid turning rule over.
- 3—Inverse scales on both sides for faster figuring.
- 4—All scales decimally divided and refer to the C and D scales.

Designed and engineered with all modern improvements for extreme accuracy, fast operation, easy slider action and permanent dimensional stability.



1949 STANDARD SYNCHRO-SCALE® Design

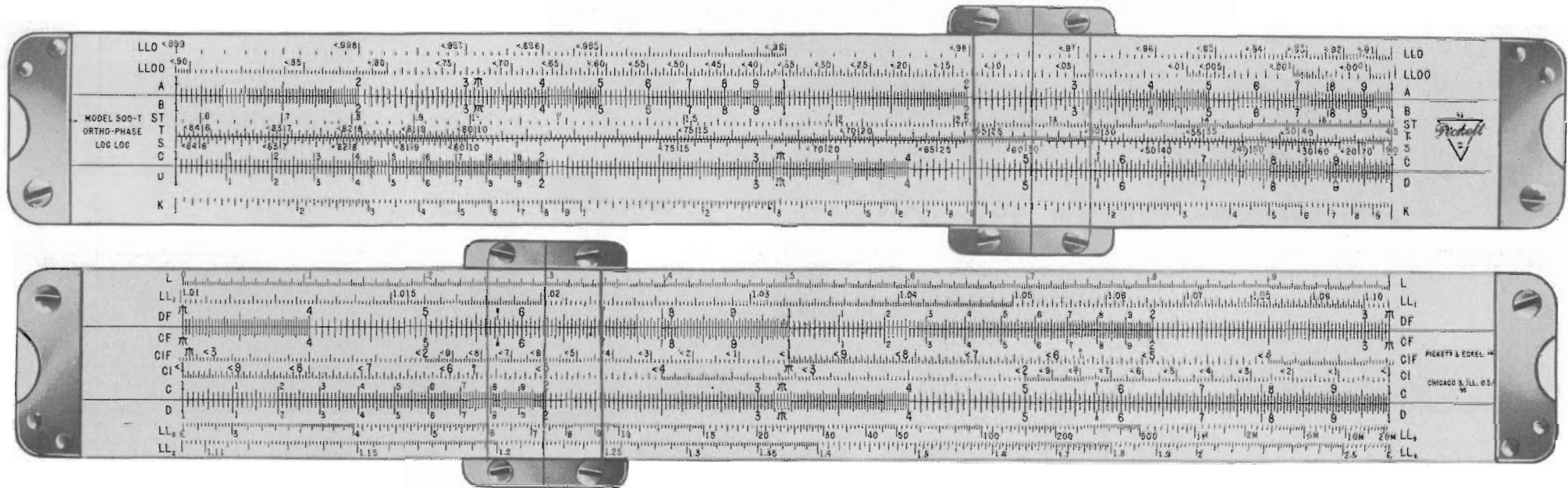


MODEL 600 LOG LOG

6-INCH POCKET

Size 6" x 1-3/32" x 3/32". Weighs 1 ounce. Boxed in Transparent Envelope in Saddle-Leather Clip-Case complete with Instruction Manual.

# LOG LOG SLIDE RULES MODELS 500-T and 300



**MODEL 500-T LOG LOG**  
10-INCH

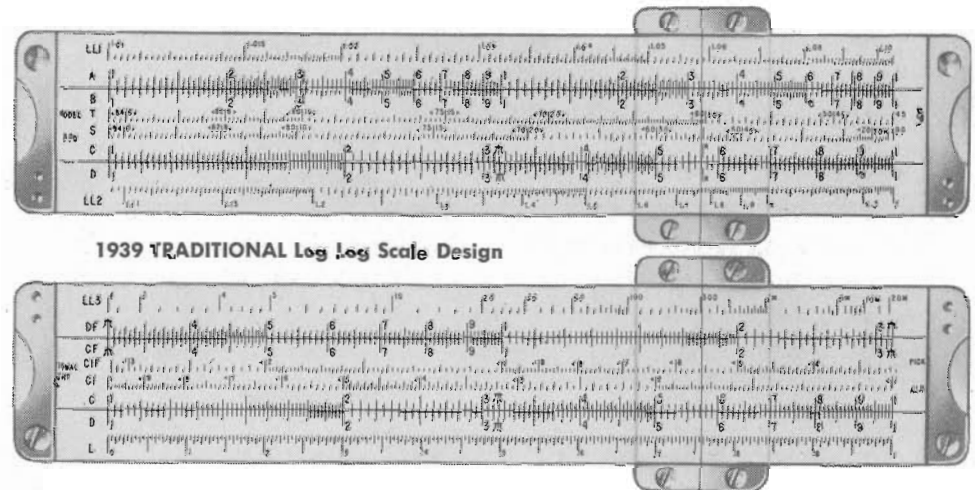
Size  $12\frac{1}{8} \times 1\frac{1}{2} \times 3/32$ ". Weighs  $3\frac{1}{2}$  ounces.  
Boxed in Transparent Envelope in California  
Saddle-Leather Case with Instruction  
Manual.

This Traditional Log Log Scale Arrangement has been widely used for many years.

On the 10-inch Model 500-T the LLO and LLOO scales refer to the A scale. All other scales coordinate and refer to the D scale.

Pocket Model 300 is preferred by those who do not need the LL0 scales but wish a small size rule for Logarithmic calculations, with C and D scales on both sides.

Both rules evaluate trigonometric, algebraic and exponential problems.



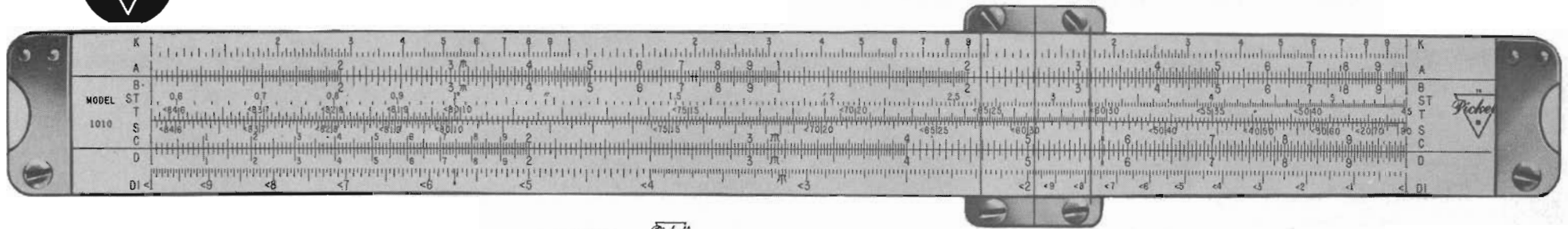
**1939 TRADITIONAL Log Log Scale Design**

**MODEL 300 LOG LOG**  
10-INCH POCKET

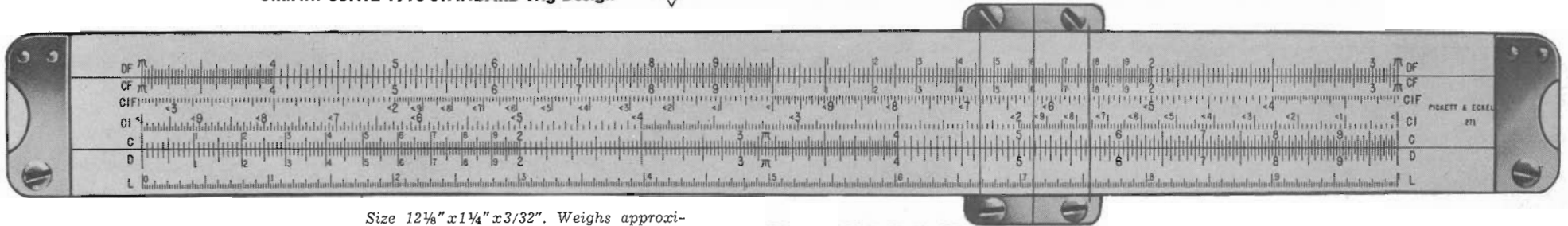
Size  $6 \times 1\text{-}3/32 \times 3/32$ ". Weighs 1 ounce.  
Boxed in Transparent Envelope in Saddle-  
Leather Clip-Case complete with Instruc-  
tion Manual.



# TRIGONOMETRIC SLIDE RULES MODELS 1010-T and 1006



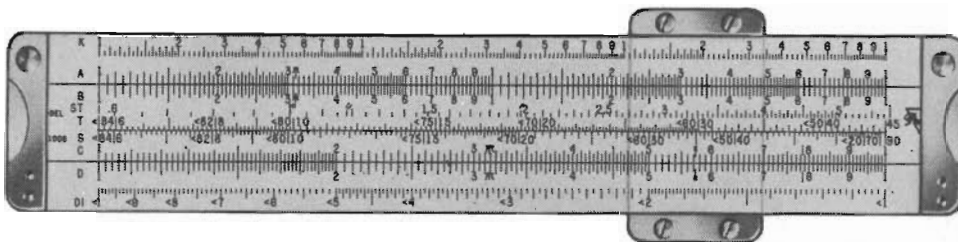
G.R.F.H. CUNTZ 1916 STANDARD Trig Design



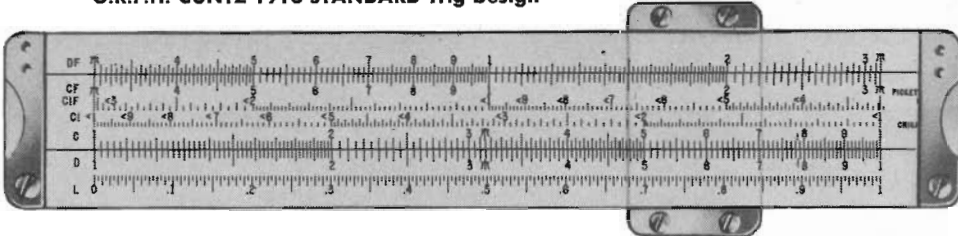
Size  $12\frac{1}{8}'' \times 1\frac{1}{4}'' \times 3\frac{3}{32}''$ . Weighs approximately  $2\frac{1}{2}$  ounces. Bored in Transparent Envelope with California Saddle-Leather Case and Instruction Manual.

## MODEL 1010-T TRIG

10-INCH



G.R.F.H. CUNTZ 1916 STANDARD Trig Design



Size  $6'' \times 1\text{-}1/32'' \times 3/32''$ . Weighs 1 ounce. Bored in Transparent Envelope with California Saddle-Leather Clip-Case and Instruction Manual.

## MODEL 1006 TRIG

6-INCH POCKET

Both full-size and Pocket Models bear identical and complete Standard Trig scale arrangements, with these features:

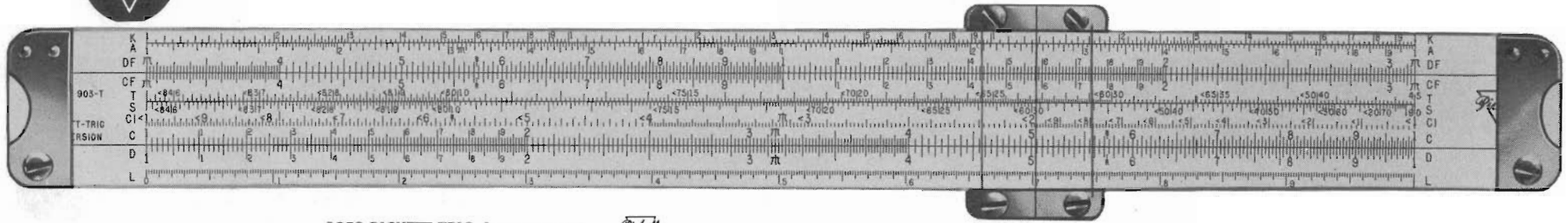
- 1 • C and D scales on *both* sides to avoid turning rule over.
- 2 • An inverse scale on *both* sides for faster figuring.
- 3 • All scales coordinate front and back and refer to the D scale.

This design is probably the most complete and universally used of all Trig scale arrangements.

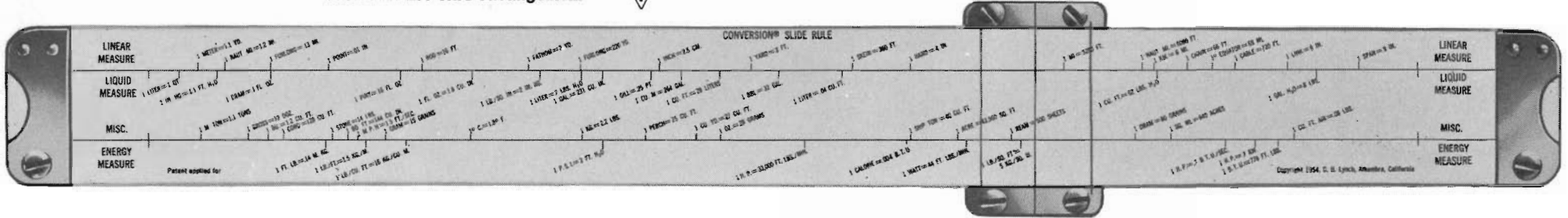




# MODEL 903-T PICKETT-TRIG CONVERSION SLIDE RULE



1952 PICKETT TRIG Arrangement



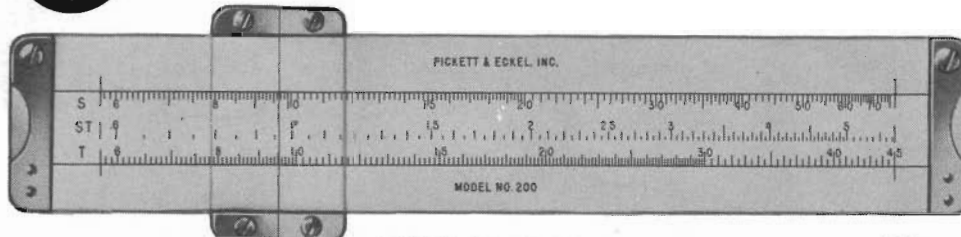
Size 12 1/8" x 1 1/4" x 3/32". Weighs approximately 2 1/2 ounces. Boxed in Transparent Envelope with California Saddle-Leather Case and Instruction Manual.

The New Model 903-T has these two exclusive outstanding features:

- 1—A Complete 9-Scale Trig arrangement all on one side of the rule to avoid turning the rule over.
- 2—Simply by setting any one of over 60 Conversion Marks opposite any Index Mark, the conversion is *automatically* set on the C, D, DF or CF scales and the *result read without moving the slider*. Eliminates reference to tables or computation. Is easily adapted to any set or combination of Conversion Factors for any business.



# MODEL 200 TRIG SLIDE RULE



G.R.F.H. CUNTZ 1916 STANDARD Trig Design

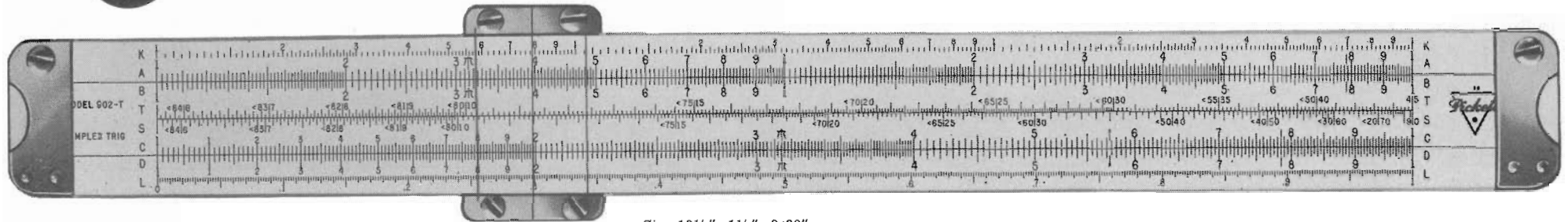


All scales are of full-unit length and refer to the D scale. The convenient Pickett rule body, with hairline or indicator on *both* sides, avoids reversing the slider or peering thru a window for reference to the S, ST and T scales on back of slider. All scales coordinate front and back.

Size 6" x 1-3/32" x 3/32". Weighs 1 ounce. Boxed in Transparent Envelope with California Saddle-Leather Clip-Case and Instruction Manual.



# MODEL 902-T SIMPLEX-TRIG SLIDE RULE



DEFINITIONS. INDEX. THE END GRADUATION OF ANY SCALE. NUMBER OF DIGITS. THE NUMBER OF FIGURES TO LEFT OF DECIMAL POINT. NUMBER OF ZEROS. THE NUMBER OF CONSECUTIVE ZEROS TO RIGHT OF THE DECIMAL POINT.

TO FIND THE SINE OR TANGENT OF AN ANGLE: SET THE HAIRLINE TO THE ANGLE, ON THE S OR T SCALE, WHOSE SINE OR TANGENT IS REQUIRED. READ THE RESULT WITH ZERO DIGITS ON THE C SCALE UNDER THE HAIR-  
EXAMPLE:  $\sin 20^\circ = .342$   $\tan 25^\circ = .466$   $\tan 57^\circ = 1.54$

TO MULTIPLY: SET INDEX ON PRODUCT ON D SCALE UNDER 3.2 x 2.5. (1) SET LEFT READ ANSWER 8.00 OF

LINE FOR TANGENTS ABOVE BRING ANGLE ON T TO HA ON D UNDER LEFT INDEX

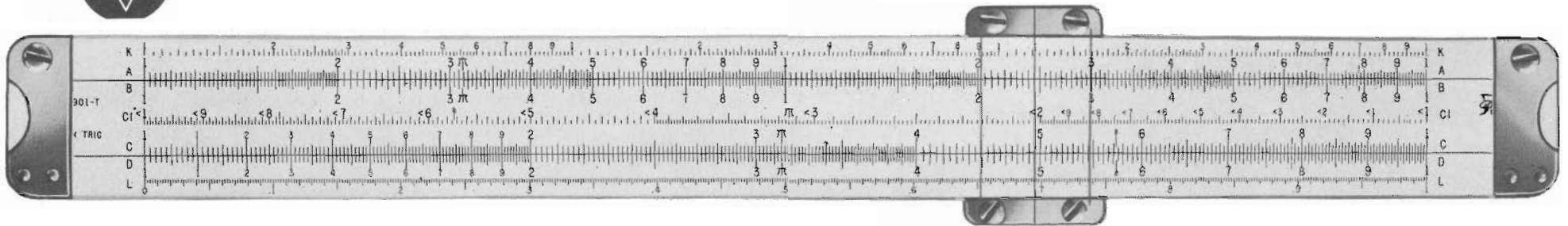
LOCATION ON SCALE	SECTION	ZEROS	OR
NUMBER ON C SCALE	L R	4 3 2 1 0 1 2	
SQUARE ON A SCALE	L M R	9-8 7-6 5-4 3-2 1-0 1-2	
CUBE ON K SCALE	L M R	14-13-12 11-10-9 8-7-6	

Size  $12\frac{1}{8}'' \times 1\frac{1}{4}'' \times 3/32''$ .  
Weighs approximately 2½ ounces. Boxed in Transparent Envelope in Scabbard-Type Suedene Case with Instruction Manual.

A simplified Trig slide rule with all scales on one side of the rule and condensed "Reminder" instructions on the back. Designed for use on simpler mathematical problems where few scales are required.



# MODEL 901-T SIMPLEX SLIDE RULE



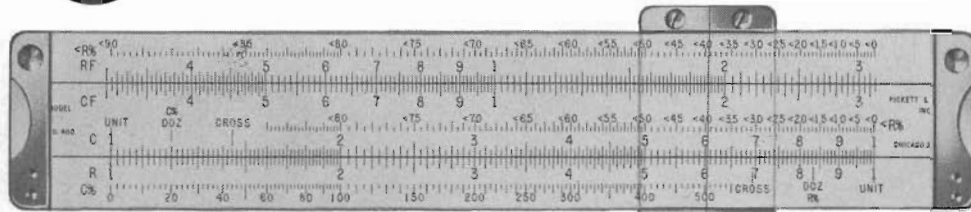
*Equivalents	Settings	*Equivalents
1 in. = 2.54 cm	100 opp 254	1 sq. yd. = 8361 m <sup>2</sup>
1 ft. = 3048 m	82 opp 25	1 sq. mi. = 2.590 km <sup>2</sup>
1 yd. = 9144 m	82 opp 75	1 sq. mi. = 640 acres
1 m = 39.37 in.	95 opp 3740	1 cu. in. = 16.39 cm <sup>3</sup>
1 mi. = 1.609 km	87 opp 140	1 cu. ft. = .02832 m <sup>3</sup>
1 knot = 1.152 mi.	33 opp 38	1 cu. yd. = .7646 m <sup>3</sup>
1 sq. in. = 6.452 cm <sup>2</sup>	31 opp 200	1 cu. ft. = 62.43 lbs water
1 sq. ft. = .0929 m <sup>2</sup>	140 opp 13	1 cu. ft. = 28.32 liters

Size  $12\frac{1}{8}'' \times 1\frac{1}{4}'' \times 3/32''$ .  
Weighs approximately 2½ ounces. Boxed in Transparent Envelope in Scabbard-Type Suedene Case with Instruction Manual.

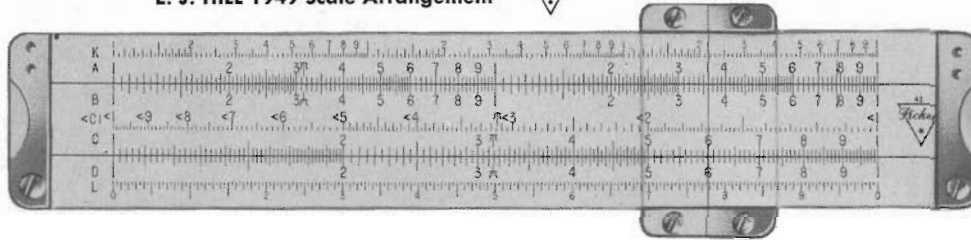
This rule is designed for those who require the basic scales only for everyday problems in multiplication, division, square root, cube root and proportion. Table of Equivalents on Back.



## MODEL 400 MERCHANTS' & BUSINESS SLIDE RULE



E. J. HILL 1949 Scale Arrangement

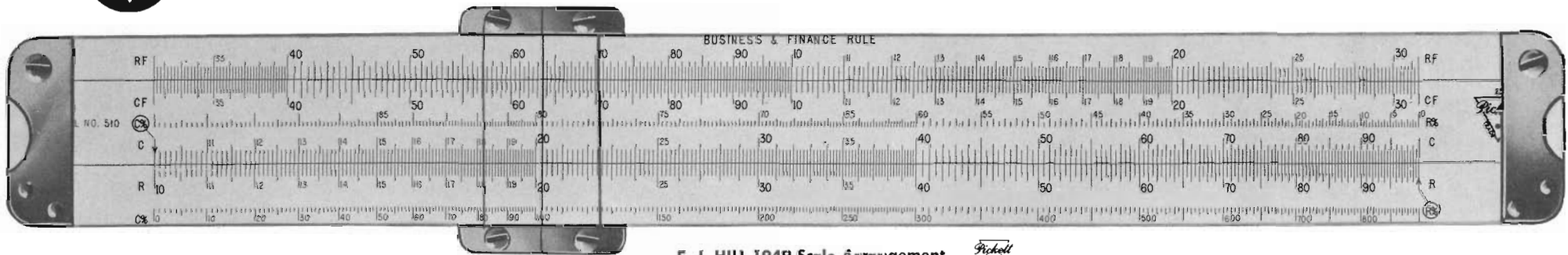


A simple rule for merchants, accountants, buyers, sales people, estimators, business colleges. Gives quick, accurate answers to problems in: **1)** Markup, **2)** Ratios and Percentages, **3)** Pro-rating Accounts, **4)** Simple Interest and Discount, **5)** Pay Rolls, **6)** Tax Assessing, **7)** Multiplication, **8)** Division, **9)** Square Root, **10)** Cube Root, and other problems. You need only an elementary knowledge of mathematics to use this simple slide rule.

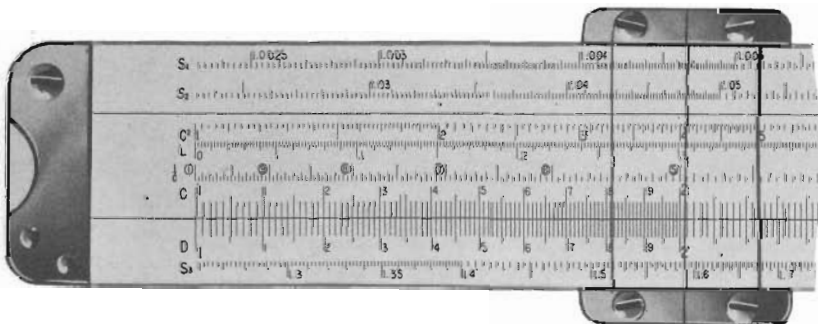
Size 6" x 1-1/32" x 3/32". Weighs 1 ounce. Boxed in Transparent Envelope with California Saddle-Leather Clip-Case and Instruction Manual.



## MODEL 510-T BUSINESS & FINANCE SLIDE RULE



E. J. HILL 1949 Scale Arrangement

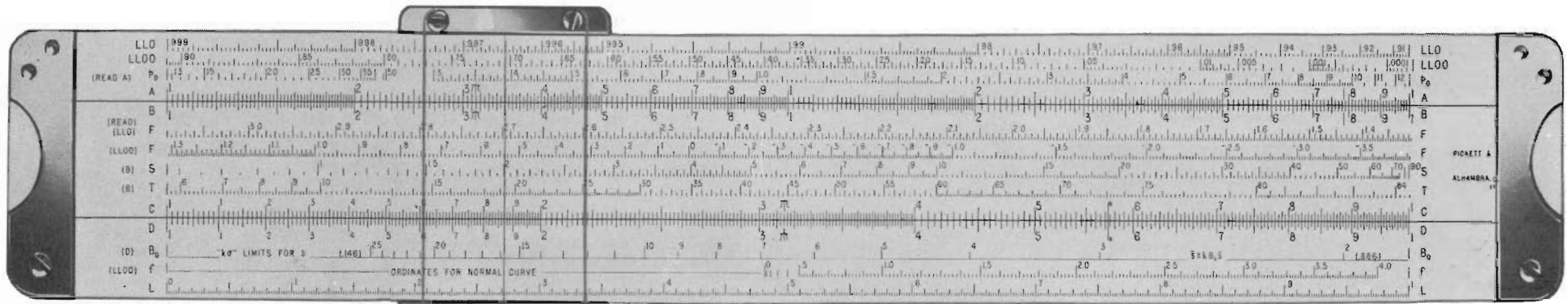


The Model 510-T Business rule simplifies the speedy solution of the following types of problems: **1)** Markup or Markdown from Cost or Retail, **2)** Simple and Compound Interest and Discount, **3)** Pro-rating Accounts, **4)** Tax Assessing, **5)** Exchange of Money, **6)** Determining Business Ratios, **7)** Conversion of Weights and Measures, both Foreign and Domestic, **8)** Maintained Markup Analysis, **9)** Determining Periodic Payments including Amortization Problems, **10)** Multiplication, **11)** Division, **12)** Proportion, **13)** Square Root and Cube Root. The rule saves time by making reference to voluminous tables unnecessary.

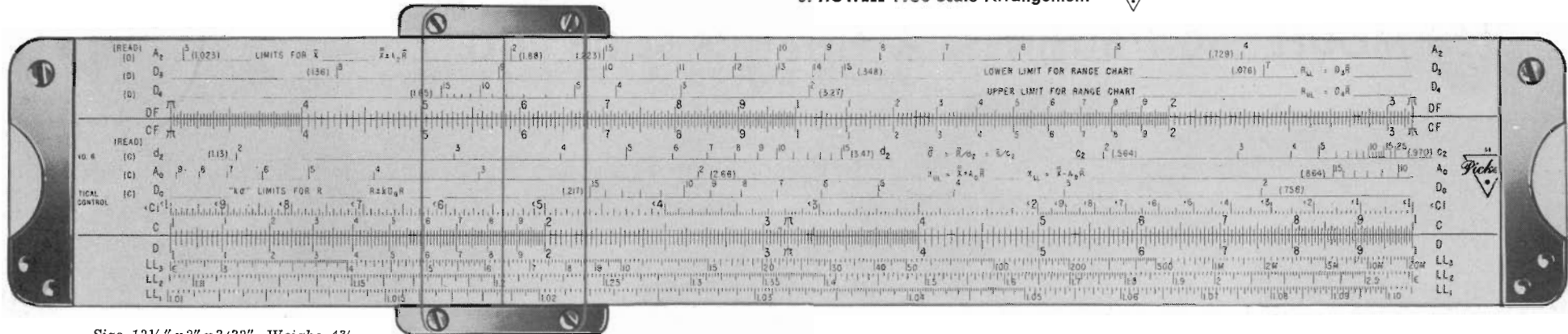
Size 12 1/8" x 1 1/2" x 3/32". Weighs 3 1/2 ounces. Boxed in Transparent Envelope with California Saddle-Leather Case with Instruction Manual.



# MODEL 6-T QUALITY CONTROL SLIDE RULE



J. HOWELL 1950 Scale Arrangement



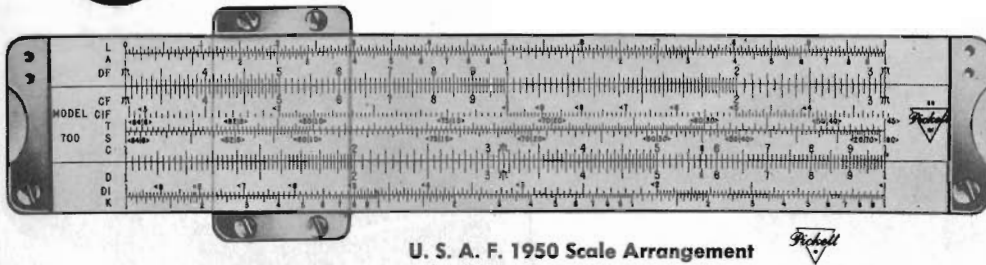
Size 12 1/8" x 2" x 3/32". Weighs 4 1/4 ounces. Boxed in Transparent Envelope with California Saddle-Leather Case and Instruction Manual.

This new, advanced rule, developed by John Howell, enables the Quality Control Engineer to utilize all of the basic principles of statistical and quality control adopted by both the American Standards Association, and the American Statistical Association. It computes problems dealing with control limits of measurement

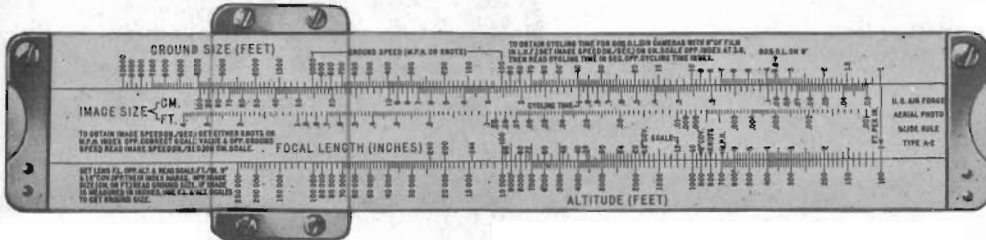
charts, and estimating standard deviation of population from samples drawn from normal distribution. In addition, it bears Trigonometric and the Traditional Log Log scales for everyday engineering computation. The rule makes reference to tables unnecessary and gives flexibility to calculations.



# U.S.A.F. AERIAL PHOTO SLIDE RULES MODELS 700 and 520-T

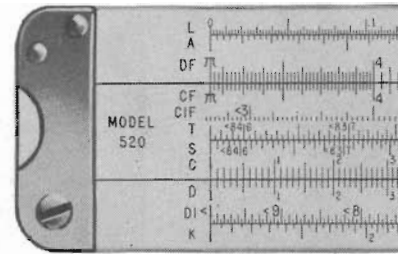


U. S. A. F. 1950 Scale Arrangement

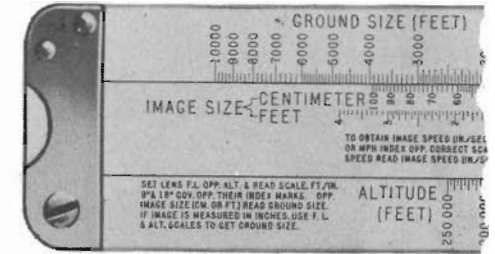


Size 6" x 1-3/32" x 3/32". Weighs 1 ounce. Boxed in Transparent Envelope with California Saddle-Leather Clip-Case and Instruction Manual.

**MODEL 700**  
6-IN. POCKET



**MODEL 520-T**  
10-INCH

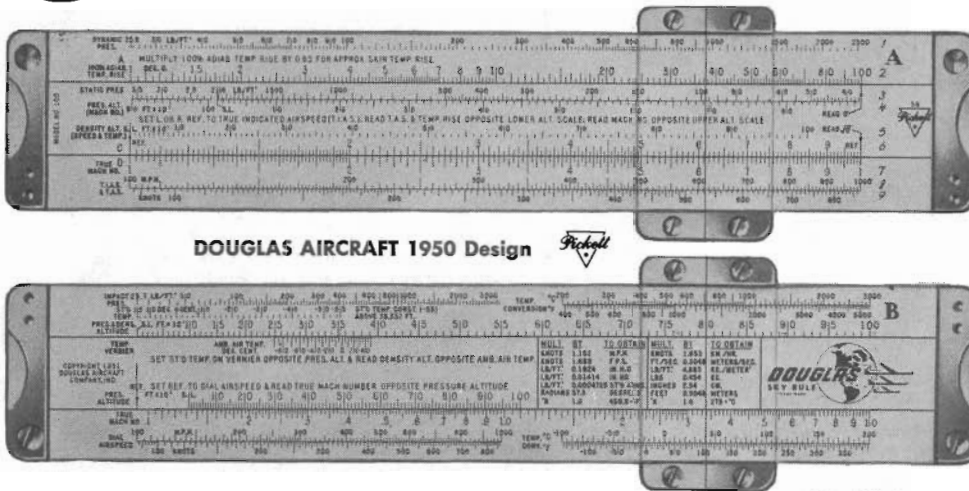


Size 12 1/8" x 1 1/2" x 3/32". Weighs 3 1/2 ounces. Boxed in Transparent Envelope with California Saddle-Leather Case and Instruction Manual.

Developed by U. S. A. F. Aerial Photo Laboratories. The rule computes scale of photography, area covered, ground feet per inch of photograph, image speed, cycling time, and other data on front of rule. A Complete Trig Scale Arrangement is on the reverse side.



# MODEL 100 DOUGLAS SKY RULE (Navigation)



DOUGLAS AIRCRAFT 1950 Design

Size 6" x 1-1/32" x 3/32". Weighs 1 ounce. Boxed in Transparent Envelope with California Saddle-Leather Clip-Case and Instruction Manual.

Developed and designed by Douglas Aircraft Engineers especially for Pilots and Air Force Personnel. Gives Mach Number, True or Indicated Air Speed, Density Altitude, Temperature Rise, and numerous other Aeronautical Functions.

# SLIDE RULE INSTRUCTION MANUALS



96 pages of thorough instruction, including examples, on the use of Dual-Base, extended and standard Log Log scales, in solving advanced problems. Furnished with Dual-Base Models 2-T, 3-T and 4-T.



This 48-page Instruction Manual covers all scales used on Log Log Slide Rules (except Vector Hyperbolic scales Sh and Th). Furnished with Models 800-T, 600, 500-T and 300.



A complete Trigonometric Slide Rule Instruction Manual covering all scales used on standard Trig Slide Rules. Furnished with Models 1010-T, 1006, 903-T, 902-T, 200 and Simplex Model 901-T.

The Instruction Manuals, briefly described above, are prepared especially for Pickett Rules by Professor Maurice L. Hartung, University of Chicago. Professor Hartung is a nationally recognized authority on the teaching of mathematics, and a consultant to educational institutions on teaching methods and presentation of material for mathematical instruction.

*These Instruction Manuals may be purchased separately if desired.*



## SADDLE LEATHER CASES—BELT LOOPS

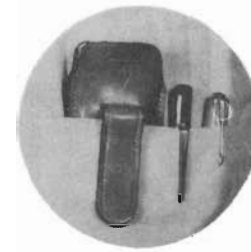
### TOP GRAIN—SCABBARD TYPE

The finest, Top Grain California Saddle-Leather is used in making Pickett Slide Rule Cases. Careful tanning insures a firm, pliable, long-wearing case with a lustrous finish that acquires a high polish with use. The slender scabbard design "hugs" the rule protectively, takes little room in the brief case or hangs easily from the Belt Loop.

### BELT LOOPS

Top Grain California Saddle-Leather in Belt Loop matches leather in Case. Snaps conveniently to Ring on back of Case. Strong, Small and an instant convenience.

## POCKET-CLIP CASES



This California Top Grain Saddle-Leather Clip-Case fits shirt or vest pocket like a pen or pencil. Patented Pocket-Clip prevents case falling out. Rule is protected, yet instantly available.





# SLIDE RULE PARTS • MAGNIFIERS

All Pickett Slide Rule Parts are precision made, easily assembled, and available from your Dealer, from any Pickett & Eckel, Inc. Office, or from the factory. When you need a new Slide Rule Part always specify the Parts Number or the Model of rule for which you require the new part.

## MAGNIFIERS



The Magnifiers are of simple Snap-On design — instantly put on and removed. Four sizes are available — one to fit any Model of rule.

### TOP CURSOR BAR and SPRING



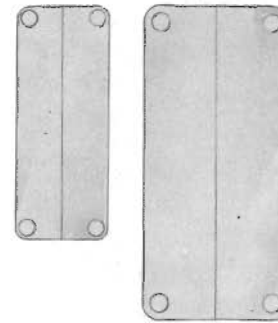
There are 4 sizes of Top Cursor Bars. Expedite shipment by ordering by number.

### BOTTOM CURSOR BAR



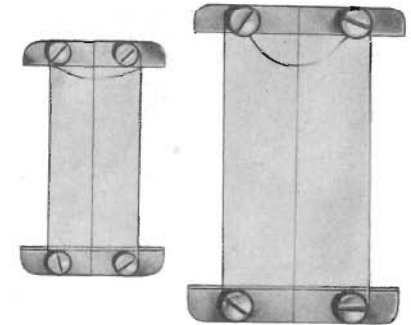
There are 4 sizes of Bottom Cursor Bars. Order by number to simplify shipment.

### WINDOWS for CURSOR



Specify Part Number to insure getting the size of Window that fits your rule.

### ASSEMBLED CURSOR



Remove Bottom Cursor Bar when assembling new Cursor on your rule. Then slip over the rule and reassemble Bottom Cursor Bar. Consult Parts Table for correct Assembled Cursor Parts Number.

### END PLATE TELESCOPIC ADJUSTMENT SCREW and NUT



End Plate Screws are in 2 parts. Be sure to remove the Female part from both End Plates and assemble both new parts. There are no screw threads to strip in the body of any Pickett Rule.

### CURSOR SCREWS



Cursor Screws are machined in sizes to fit each Model. Specify the Parts Number of the screw you need.

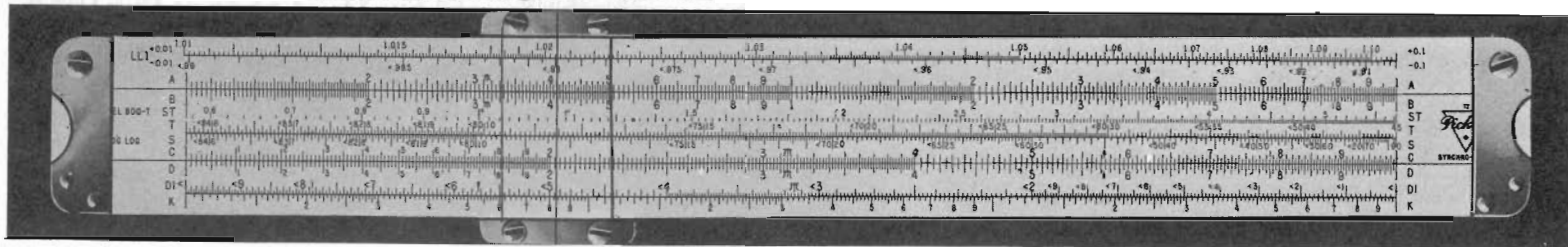
## PARTS ORDERING TABLE—ORDER BY NUMBER

Slide Rule Parts are always instantly available to keep your rule in continuous operation. Be sure to specify the Parts Number to get the exact size that fits the Model of Rule you possess.

	Models 2, 3, 4, 6	Models 2-T, 3-T, 4-T, 6-T	Models 500, 510, 520, 800, 501	Models 500-T, 510-T, 520-T, 800-T	Models 100, 200, 300, 400, 600, 700, 1006 All 6" Rules	Models 901, 902, 903, 1000, 1010	Models 901-T, 902-T, 903-T, 1010-T
SLIDE RULE PARTS							
Assembled Cursor	P1AC	TP1AC	P500AC	TP500AC	P200AC	P900AC P901AC* *single window	TP900AC TP901AC* *single window
Top Cursor Bar	P1TCB	TP1TCB	P500TCB	TP500TCB	P200TCB	P901TCB	TP901TCB
Bottom Cursor Bar	P1BCB	TP1BCB	P500BCB	TP500BCB	P200BCB	P901BCB	TP901BCB
Windows for Cursor	P1W	TP1W	P500W	TP500W	P200W	P901W	TP901W
Cursor Screws	P1S	TP1S	P1S	TP1S	TP200S	P1S	TP1S
End Plate Screw & Nut	P1ES	TP1ES	P1ES	TP1ES	P200ES	P1ES	TP1ES
Cursor Springs	P1CS	TP1CS	P1CS	TP1CS	TP1CS	P1CS	TP1CS
MAGNIFIERS	1M	T1M	500M	T500M	200M	900M	T900M

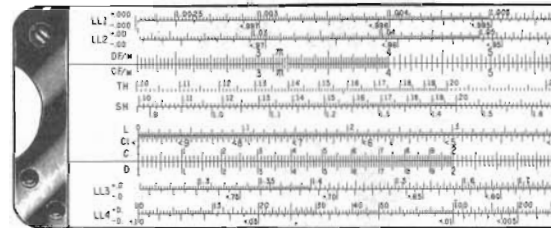
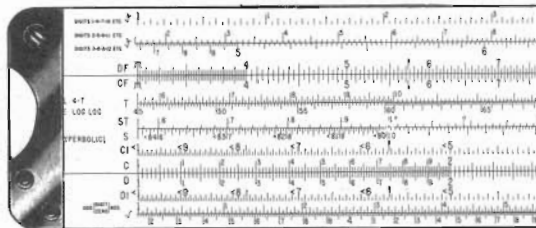


# INSTRUCTION WALL RULES



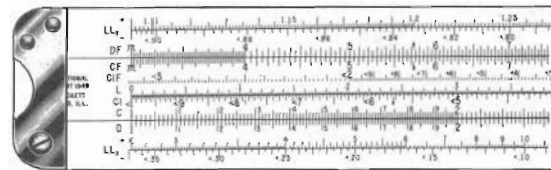
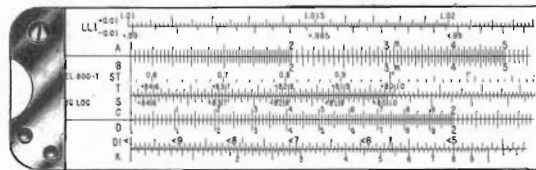
The four Wall Rule Models illustrated below are designed for easy visibility in instruction, yet of a size for easy handling in medium and small size class rooms. They are made of hard wood, with sharp black scales on a white background, and a durable transparent plastic cursor with easily seen hairline or indicator.

## MODEL 4-T DUAL-BASE LOG LOG VECTOR HYPERBOLIC



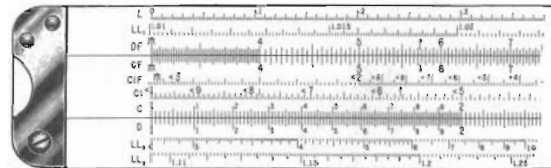
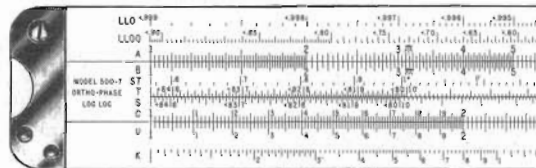
Used in instruction for  
Models 2-T, 3-T and 4-T.  
Size 85"x14 1/4"

## MODEL 800-T LOG LOG SYNCHRO-SCALE



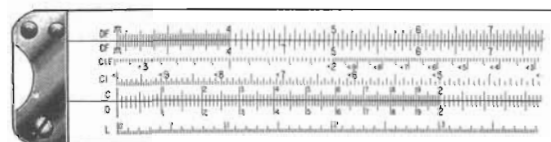
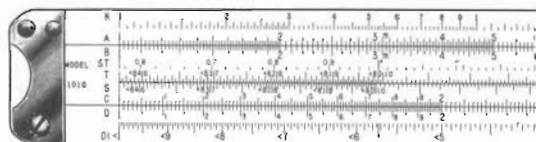
Illustrates scales on  
Models 800-T and 600.  
Size 85"x10 1/2"

## MODEL 500-T LOG LOG



Wall Rule for  
Models 500-T and 300.  
Size 85"x10 1/2"

## MODEL 1010-T TRIG

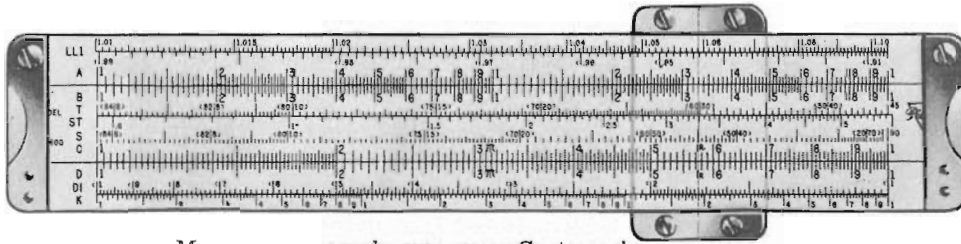


Illustrates scales on  
Models 1010-T, 903-T,  
901-T, 1006 and all  
Trig Rules.  
Size 85"x10 1/2"

Each Instruction Wall Rule is carefully packed and shipped individually in a heavy protective carton.



# THESE GOOD-WILL GIFT RULES



Many concerns make sure every Customer's "Key Men" receive this Lifetime Reminder of their product and service.

## YOUR IMPRINT ON RULE AND CLIP-CASE

6-inches long. Weighs only 1 ounce.

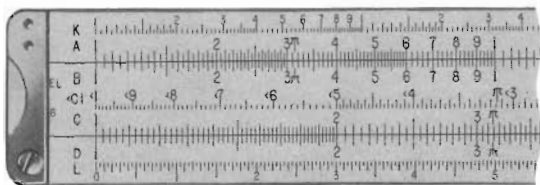


Model 706-S has a complete Trig scale arrangement all on one side of the rule—available only on Pickett Pocket Rules.

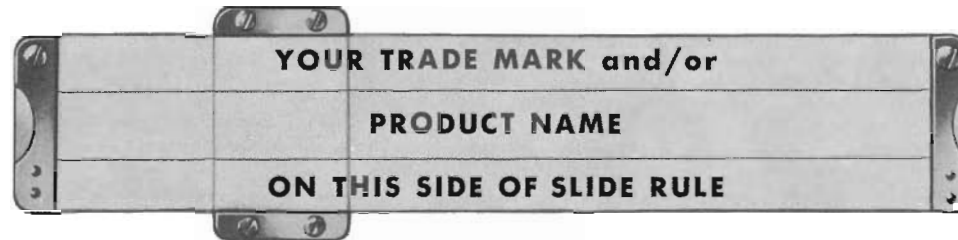


Slide Rules are used by busy operating men—men who appreciate a time-saving gift. Their good will is your most profitable asset.

3/32 inches thin. Fits pocket like a comb.



MODEL 206-S carries the 7 basic scales for multiplication, division, square root, cube root, proportion for all everyday problems.



A slide rule is a "Gift of good taste"—not expensive—yet a Lifetime Reminder both of your thoughtfulness and of the service you render.

# ARE USED ALL OVER THE WORLD



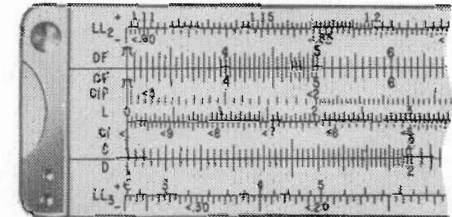
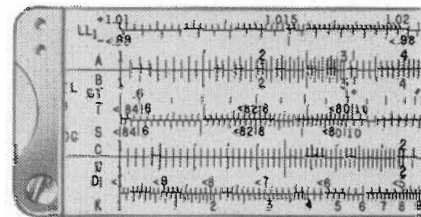
## OR IMPRINT ON CLIP-CASE ONLY

**MODEL 600 LOG LOG.** 22 scales. Reciprocal Log Log scales with range of .00005 to 22,000. Includes Trig, Folded, Inverse, Cube Root, Square Root and L scales universally used and taught in engineering schools.

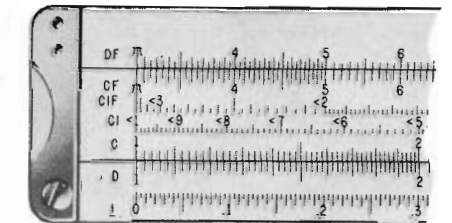
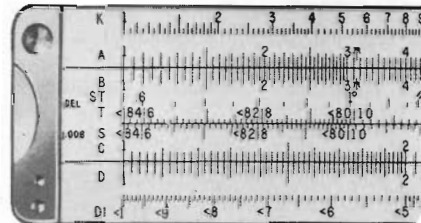
**MODEL 1006 TRIG RULE.** Most widely used of all scale arrangements in Production, Science, Economics, Business Management and Engineering (where Log Log scales are not required). Formerly on large rules only – now available in this Model.

**YOUR NAME STAMPED IN GOLD** on front or back of Clip-Case. Case can't fall out, yet makes rule instantly removable.

All Pickett 6-inch Good-Will Pocket Rules are "Small Editions" of standard 10-inch rules. Same power. Same range. Identical scales. A practical working tool.



A Good-Will Gift Rule reminds your customer of you every time he uses it. Most gifts are appreciated today, forgotten tomorrow. Good-Will Rules are Lifetime Reminders.



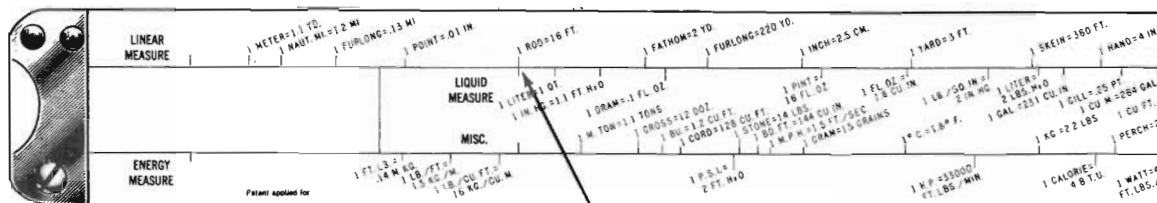
Recipients of Good-Will Gift Rules put the "Welcome" sign on their doors for your salesmen. Other "Key Men" see the rules. Want them. A golden opportunity for new contacts, new friends, increased service and sales.

Check the Model Good-Will Gift-Rule you would like to examine (  Imprint on both Rule and Clip-Case, Models 706-S or 206-S only, or  imprint on Clip-Case for any Model). Available through your Pickett Dealer, or Gift Rule Dept., Pickett & Eckel, Inc.



# Special CONVERSION SLIDE RULES

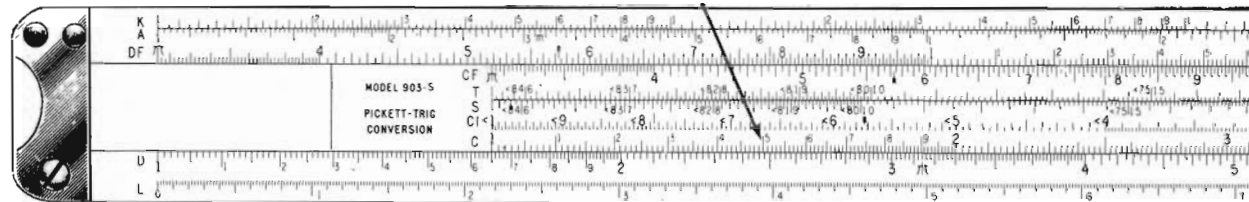
One of the quickest ways to save time and errors is to cut out "Paper Work"—needless figuring from special tables and data sheets. And there is no simpler tool to do the job than a Conversion Rule. Anyone can use it. A couple of hours saved pays its first cost and time is pure profit from then on.



EXAMPLE: Convert 15 rods into feet.

- Put left Index of Slider under "1 ROD=16 FT." Conversion Mark. Turn Rule over.
- Opposite 15 on C Scale read 247.5 feet on the D Scale.

The illustrative example at the left shows how the new Conversion Slide Rule eliminates reference to tables and conversion computation. By merely "Positioning" a Conversion Mark opposite any Index Mark, any Conversion is *automatically* set for reading on the C, D, DF or CF scales *without even moving the slider*. This Model bears over 60 Conversion Factors.



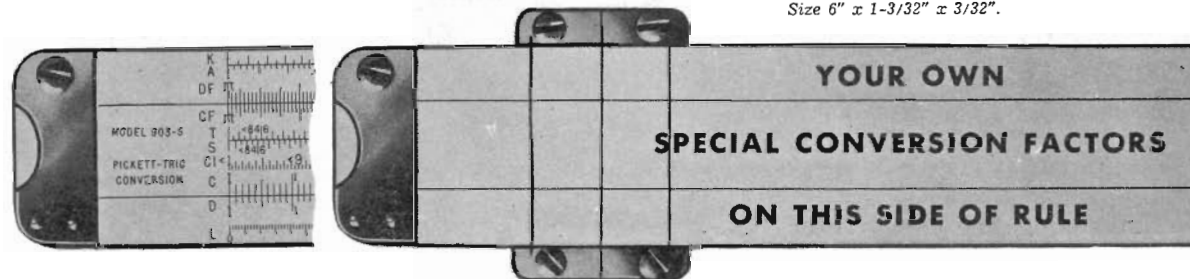
Size 6"x1-3/32"x3/32".

Pocket Model 706-S is a *Double-Duty* Rule with Conversion Factors on the back and *complete* TRIG Scale on the front for general computation.



Size 6" x 1-3/32" x 3/32".

Model 903-S is a larger *Double-Duty* Rule with *complete* TRIG Scales on the front, but a larger area on the back for a greater number of Conversion Marks.



Four sizes of Conversion Rules are available to care for either a few or a large number of Conversion Factors. Sizes are: 6"x1-3/32", 12 1/8"x1 1/4", 12 1/8"x1 1/2" and 12"x2".

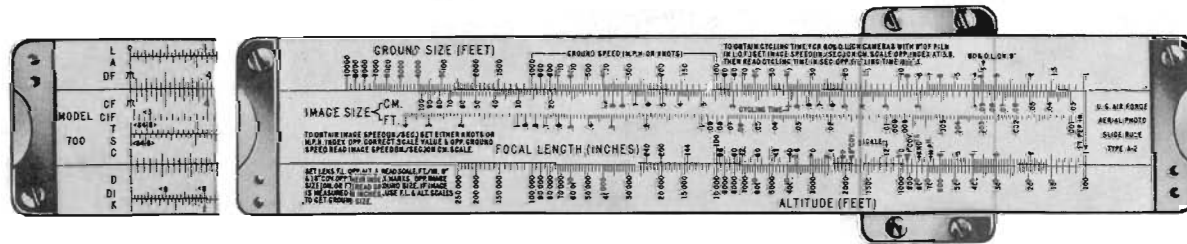
Your local Pickett Dealer will furnish you a Conversion Rule for your examination, and a quotation covering the quantity of Special Conversion Rules you need. Simply tell him the approximate number of Conversion Marks desired. Or write direct to Special Rule Department, Pickett & Eckel, Inc., Chicago 3, Illinois.



# SPECIAL-SCALE SLIDE RULES

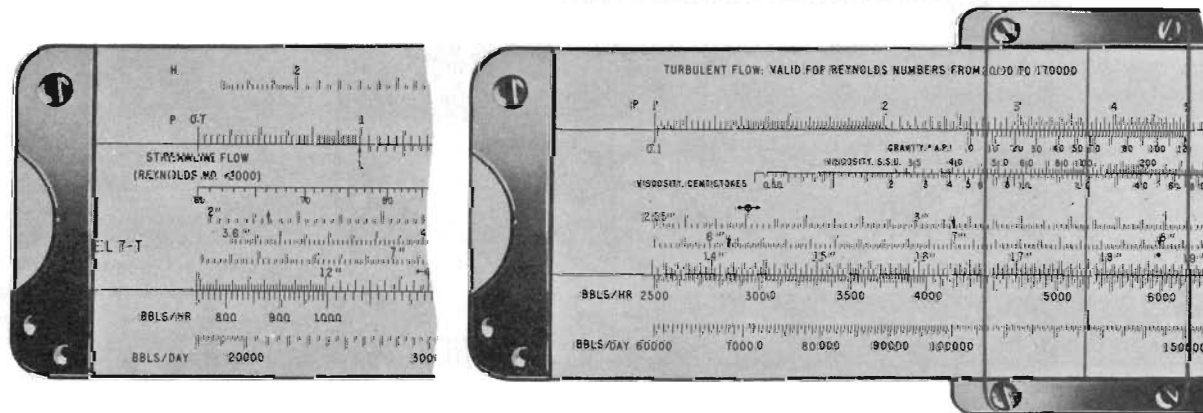
A special-Scale Slide Rule is one of the surest ways to increase Sales and Product Acceptance. Why? Because it simplifies specialized calculations. Problems in applications, capacities, sizes, etc. are *quickly solved by untrained personnel outside your own organization*. Sales are based primarily on product performance – and a special-Scale Slide Rule is a *basic aid* to maximum performance by anyone, anywhere.

MODEL 700 Pocket Rule designed for the U.S.A.F. with Clip-Case and Instruction Manual.



An example of a Trig Scale Arrangement on the front of a Pocket Rule with 5 Special U.S.A.F. Aerial Photo Scales on the back. Up to 11 special scales may be put on one side of this rule, or a total of 22 scales on both sides.

Four standard sizes of rules provide the area needed for most Special Rules and yet avoid special manufacturing costs.



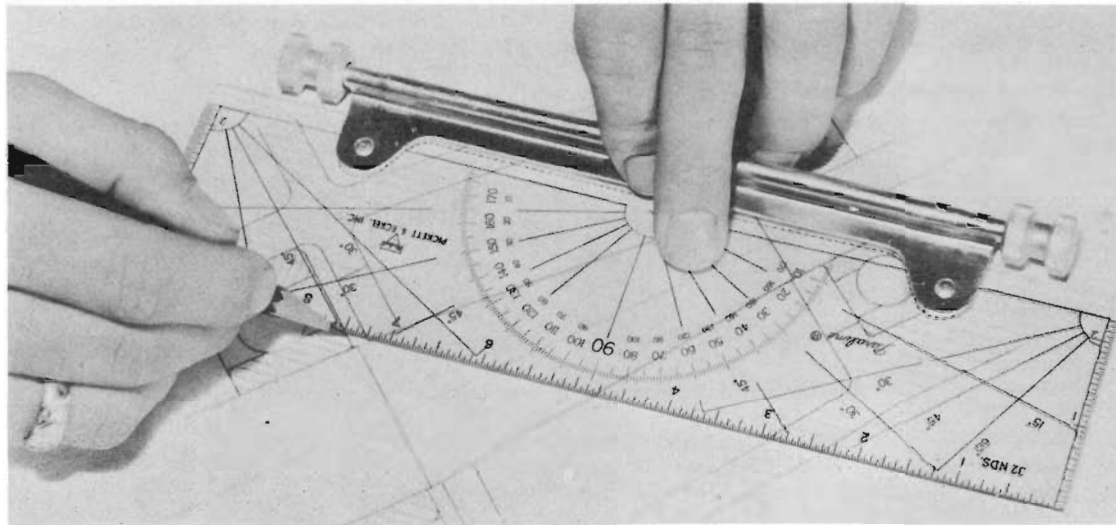
Size 12 1/8" x 2" x 3/32".

A rule with Special Scales on both sides to simplify Hydraulic calculations in the oil fields. Up to 35 special scales may be placed on a rule of this size. Or a standard scale arrangement used on one side with special scales on the other.

Examine Pickett Rules at your local Pickett Dealer's store and ask him for a quotation on a rule with the Special Scales you need. Or write Special Rule Dept., Pickett & Eckel, Inc.



# SINGLE-UNIT *Paraline*<sup>®</sup>



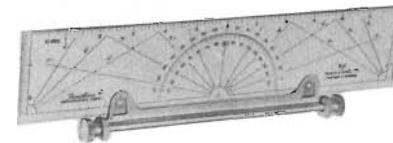
## DRAFTING-DRAWING INSTRUMENT

Paraline was invented by an ingenious student who wanted to do accurate work faster than was possible with the many formal devices he needed only for large drawings.

Unknown, his ingenuity is appreciated the world over by those who *must* put ideas down on paper under all sorts of conditions, no matter where they are.

Another credit to American Youth.

## PROFESSIONAL MODEL

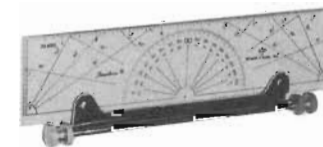


Complete, transparent scales-straightedge-angles-protractor element insertable and interchangeable in Roller-Scale Holder Assembly. 12½"x3¼". Weighs 4 ounces.

Sold with Architects Scale in 1/32" divisions or Engineers Scale in 10ths of inches. Other scales available separately through your dealer.

MODEL	DESCRIPTION
	Complete, Assembled Unit
RAS	Architects Professional Paraline
RES	Engineers Professional Paraline
	Roller-Scale Holder Assembly and Interchangeable Scales
R	Roller-Scale Holder
AS	Architects Scale
ES	Engineers Scale

## STANDARD MODEL



Complete, self-contained transparent scales-straightedge-angles-protractor element permanently attached to Roller-Scale Holder Assembly. Not interchangeable.

Available with Architects Scales in 1/32" divisions only. Boxed with Instruction Folder.

MODEL	DESCRIPTION
SAS	Standard Architects Paraline
	©Loomis Industries, Inc., Berkeley, Calif.

## SIMPLIFIES LAYOUT • DRAFTING • DRAWING



*Paraline*  
is used by:

ARCHITECTS • ENGINEERS  
SALESMEN • EXECUTIVES  
PRINTERS • ART STUDIOS  
ADVERTISING AGENCIES

SCHOOLS IN:

ART • MUSIC  
GEOMETRY • CHARTS  
NOMOGRAPHY  
MAP-MAKING  
MECHANICAL DRAWING

When a "free hand" job won't do, and drawing or drafting equipment is inconvenient, not available or too slow — use Paraline.

Portable in briefcase or pocket, it combines in a single unit the functions of T-square, triangles, straightedge, scales and protractor. The simple Roller-Scale Holder instantly "positions" the instrument for use anywhere on the drawing. All you need is a flat surface to use it.

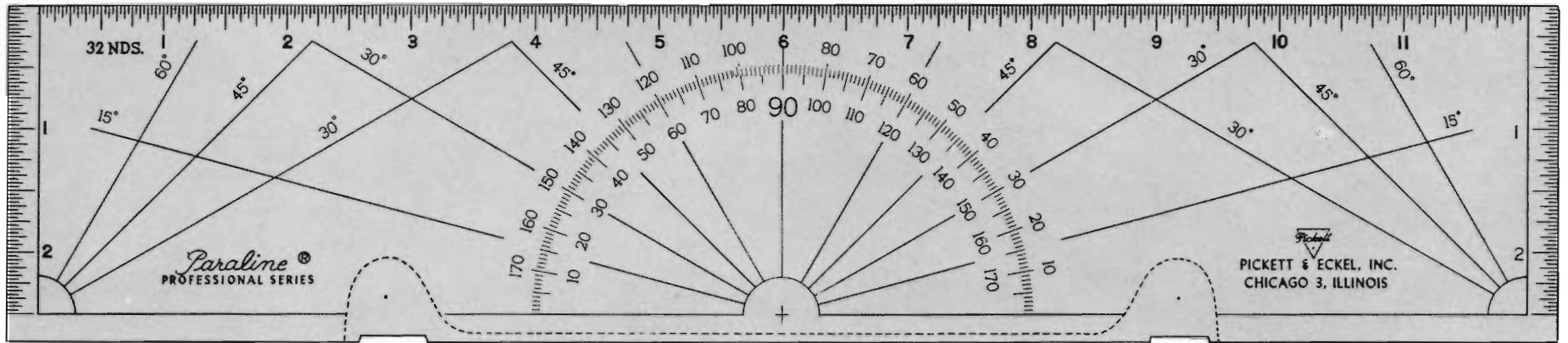
Paraline flexibility speeds completion of detail work on large-scale drawings where the drafting machine or T-square and triangles consume needless time.

Paraline fills the gap between "free hand" sketches and the slower work on formal drafting equipment. Paraline is inexpensive. An hour's time saves its low cost, and makes your work easier.



# Paraline® DOUBLE-DUTY SCALES

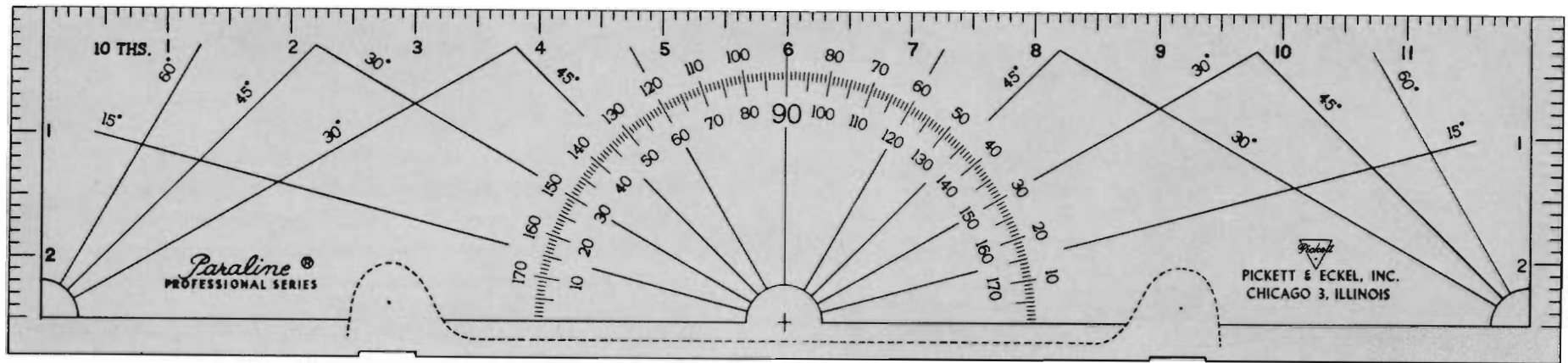
Paraline Scales are designed for double-duty: Use them with the Roller-Scale Holder (they are interchangeable), or use them alone as a combination Scale-Protractor-Straightedge. Either way the transparent Scale never obscures the work, but leaves the entire drawing clearly visible for faster, more accurate work.



**ARCHITECTS SCALES:** 1/32, 1/8, 1/4, 3/8, 1/2, 3/4, 1 1/2, 3"

(\*Open divided)

Work is always visible, made of tough transparent plastic.



**ENGINEERS SCALES:** 10, 20, 30, 40, 50, 50SAE, 60

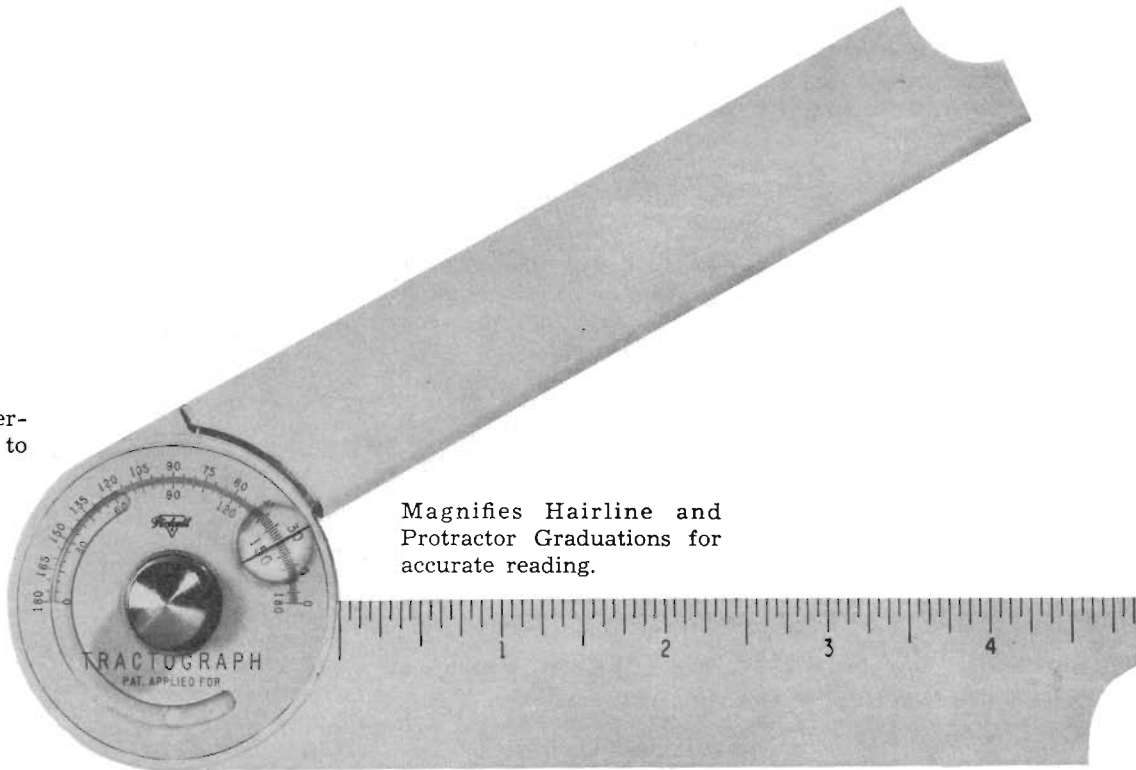
**OTHER SCALES:** 1/2 MM, 1 MM



# TRACTOGRAPH DRAWING INSTRUMENT

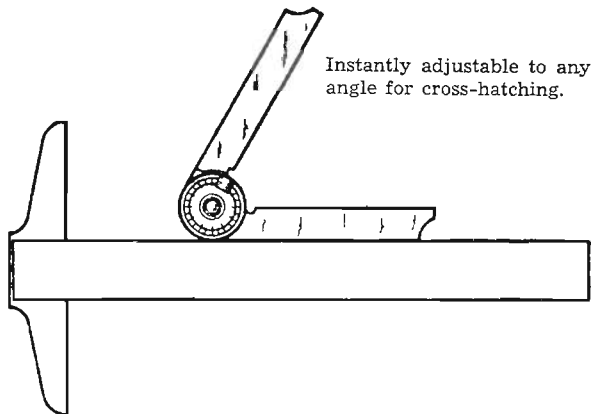
Knurled Friction Knob permits instant adjustment to any angle.

Graduated in 1° intervals over 180°.



Magnifies Hairline and Protractor Graduations for accurate reading.

*Actual size over all: 7"x2"*



Instantly adjustable to any angle for cross-hatching.

Tractograph is instantly adjustable for measuring angles, for constructing triangles, for drawing angles of any degree and for crosshatching. The transparent plastic permits clear view of work underneath the blades. The convenient scale and protractor aid accurate positioning of the instrument. Tractograph is a time-saver, and a half hour saved more than pays for it.





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