

STANLEY



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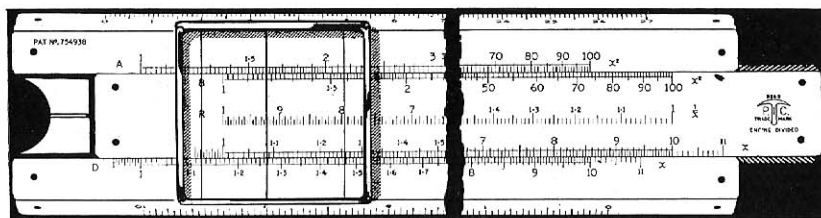
## SLIDE RULES

### “P.I.C.” “DIFFERENTIAL” SLIDE RULES

#### Advantages of Differentialism

Slide Rules incorporating both the Trigonometrical and Log-Log Differential Scales enable the user to carry out a wider and more comprehensive range of Trigonometrical and Log-Log computations with only 9 units of Scale length, compared with at least 13 units of Scale length of equivalent orthodox pattern slide rules (where some of the Scales are inconveniently located on reverse of slide).

Slide Rules incorporating Trigonometrical Differential Scales enable the user to carry out a wider and more comprehensive range of computations with an economy of at least 2 units of Scale length compared with the equivalent orthodox pattern slide rule.



A8821-A8822

#### STANDARD

(Improved) Basic Scales with Sine and Tangent Range to  $0^\circ$

**A8821** 10 in. Mahogany (Pattern 101).

**A8822** 20 in. ditto. (Pattern 102).

#### REITZ

(Improved) Basic Scales, Cube Scale, Sine and Tangent Range to  $0^\circ$

**A8825** 10 in. Mahogany (Pattern 111).

**A8826** 20 in. ditto. (Pattern 112).

#### COMPREHENSIVE LOG-LOG

Log-Log Values  $10^5$  to  $1^{10}$ , Vector Scale, Sine and Tangent Range to  $0^\circ$

**A8828** 10 in. Mahogany (Pattern 121).

**A8829** 20 in. ditto. (Pattern 122).

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## SLIDE RULES

### “P.I.C.” “DIFFERENTIAL” SLIDE RULES (Contd.)

#### COMPREHENSIVE LOG-LOG (V & D.)

As 'Comprehensive Log-Log' with Volt and Dynamo Scales

**A8831** 10 in. Mahogany (Pattern 131).

**A8832** 20 in. ditto. (Pattern 132).

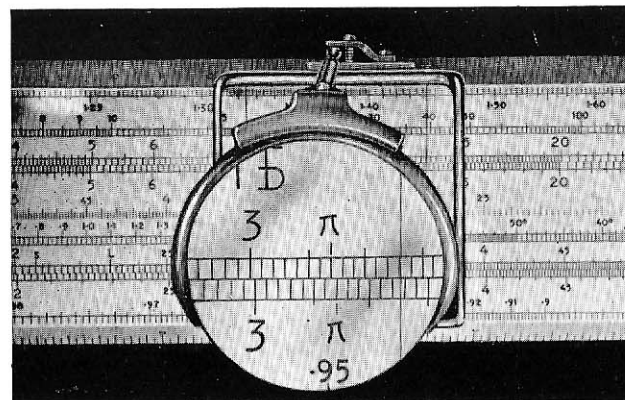
#### ESTIMATOR-FINANCE

Log-Log Values  $10^6$  to  $1^{10}$ ,  $\pi$  Displaced C and D Scales, Sine and Tangent Range to  $0^\circ$

**A8835** 10 in. Mahogany (Pattern 4880).

**A8836** 20 in. ditto. (Pattern 4882).

### “P.I.C.” ADJUSTABLE MAGNIFYING CURSOR



A8838

This Magnifying Cursor provides maximum definition by means of an optical lens. Universal ball joint fitting enables accurate setting for full-view cursor reading.

When ordering a Magnifying Cursor separately from a Rule, it is necessary to specify exact requirements including full Slide Rule Reference No. which is marked in the trough of the Rule, under the slide.

**A8838** “P.I.C.” Adjustable Magnifying Cursor, (Pattern F4867), extra.

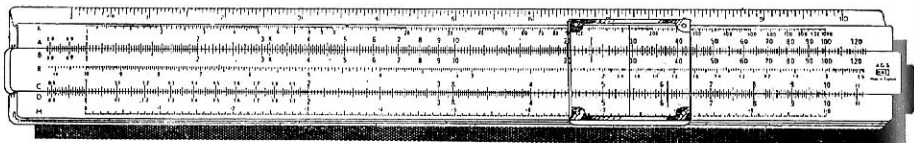
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## SLIDE RULES

## THE "B.R.L." RANGE OF SLIDE RULES

(Made of ivory copolymer)



## REITZ AND GENERAL PURPOSE MODELS

## Scales

<b>A8841</b>	10 in. (Pattern AG1)	... ..	Fundamental, Cubing, Mantissa, Reciprocal.
<b>A8842</b>	10 in. (Pattern 'Academy 300')	...	ditto.
<b>A8843</b>	10 in. (Pattern AG2)	... ..	ditto.
<b>A8844</b>	6 in. (Pattern PI9D)	... ..	Fundamental, Reciprocal.
<b>A8845</b>	10 in. (Pattern 405)	... ..	Fundamental only.
<b>A8846</b>	10 in. (Pattern G23)	... ..	Fundamental, Cubing, Mantissa, Reciprocal, with Table of Constants on the reverse.
<b>A8847</b>	10 in. (Pattern 627)	... ..	A, C, and D, Folded, DF and CF.
<b>A8848</b>	6 in. (Pattern 606)	... ..	Fundamental, Reciprocal, Sine, Tan and ST.
<b>A8849</b>	10 in. (Pattern 406)	... ..	Fundamental, Mantissa, Reciprocal, Sine and Tan.
<b>A8850</b>	6 in. (Pattern 601)	... ..	Fundamental, Cubing, Mantissa, Reciprocal, Sine, Tan and ST.
<b>A8851</b>	10 in. (Pattern 401)	... ..	ditto.
<b>A8852</b>	10 in. (Pattern 'Academy 303')	...	ditto.

## LOG-LOG MODELS

## Scales

<b>A8855</b>	10 in. (Pattern AL4)	... ..	Fundamental, Reciprocal and Log-Log.
<b>A8856</b>	6 in. (Pattern 602)	... ..	Fundamental, Log-Log, Reciprocal, Sine, Tan and ST.
<b>A8857</b>	10 in. (Pattern 402)	... ..	ditto.
<b>A8858</b>	10 in. (Pattern 'Academy 303')	...	Fundamental, Log-Log, Reciprocal, Cubing, Mantissa, Sine and Tan.

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## SLIDE RULES

## THE "B.R.L." RANGE OF SLIDE RULES (Contd.)

## LOG-LOG MODELS

## Scales

<b>A8859</b>	6 in. (Pattern 603)	... ..	Fundamental, Mantissa, Cubing, Reciprocal, Log-Log, Pythagorian, Sine and Tan.
<b>A8860</b>	10 in. (Pattern 403)	... ..	ditto.
<b>A8861</b>	10 in. (Pattern 'Academy 304')	...	ditto.
<b>A8862</b>	10 in. (Pattern T110)	... ..	Fundamental, Reciprocal, Log-Log, Pythagorian, Sine, Tan and ST.
<b>A8863</b>	10 in. (Pattern T120)	... ..	Fundamental, Pythagorian, Folded, Reciprocal
<b>A8864</b>	10 in. (Pattern T120)	... ..	Fundamental, Pythagorian, Folded Reciprocal, Mantissa, Log-Log, Sine, and ST.
<b>A8865</b>	10 in. (Pattern AU7)	... ..	Fundamental, Reciprocal, Mantissa, Log-Log, Sine, Tan and ST.

## ELECTRICIANS' MODELS

## Scales

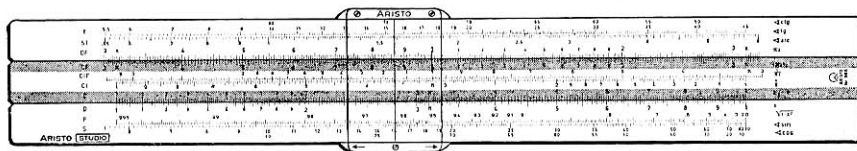
<b>A8866</b>	6 in. (Pattern 604)	... ..	Electrical C and D, Log-Log, Sine, Tan and ST; Voltage Drop; Dynamo and motor efficiency scales; Resistance for varying temperature scale. Cosine scale for A.C. Power calculations.
<b>A8867</b>	10 in. (Pattern 'Academy 305')	...	Electrical, C.D., Cubing, Reciprocal, Mantissa, Log-Log, Sine, Tan; Voltage drop; Generator efficiency, Motor efficiency, 3-Phase Generator efficiency, 3-Phase Motor efficiency.
<b>A8868</b>	10 in. (Pattern 404)	... ..	Fundamental, Mantissa, Log-Log, Reciprocal, Cubing, Sine and Tan; Voltage drop; Dynamo and motor efficiency, Motor and motor efficiency 3-Phase.
<b>A8869</b>	10 in. (Pattern E13)	... ..	Log-Log, A, Cubing, C and D, Reciprocal, Folded, Pythagorian, Mantissa, Sine, Tan and ST.

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## SLIDE RULES

### "ARISTO" SLIDE RULES



#### Scales

- A8871** "Simplex" 10 in. (Pattern 911) ... Fundamental and Squares.  
**A8872** "Scholar" 10 in. (Pattern 0903) ... Fundamental, Reciprocal, Squares, Cubes, Mantissa, Trigonometric.  
**A8873** "Scholar LL" 10 in. (Pattern 0903LL) Fundamental, Reciprocal, Squares, Cubes, Mantissa, Trigonometric, and Log-Log.  
**A8874** "Commerce" 10 in. (Pattern 0905) Fundamental, Folded, Reciprocal, Special scales for interest problems; Conversion marks for Brit./U.S./Metric weights and measurements.  
**A8875** "Rietz" 5 in. (Pattern 89) ... Fundamental, Reciprocal, Squares, Cubes, Mantissa, Trigonometric.  
**A8876** "Rietz" 10 in. (Pattern 99) ... ditto.  
**A8877** "Rietz" 20 in. (Pattern 109) ... ditto.  
**A8878** "Multi Rietz" 5 in. Double Face (Pattern 829) Fundamental, Folded, Reciprocal, Squares, Cubes, Mantissa, Trigonometric.  
**A8879** "Multi Rietz" 10 in. Double Face, (Pattern 909) ditto.  
**A8880** "Darmstadt" 5 in. (Pattern 867U) Fundamental, Reciprocal, Squares, Cubes, Mantissa, Trigonometric, Log-Log.  
**A8881** "Darmstadt" 10 in. (Pattern 967U) ditto.  
**A8882** "Darmstadt" 20 in. (Pattern 1067U) ditto.  
**A8883** "Studio" 5 in. Double Face, (Pattern 868) Fundamental, Folded, Reciprocal, Squares, Cubes, Mantissa, Trigonometric, Log-Log.  
**A8884** "Studio" 10 in. (Double Face (Pattern 968), ditto.  
**A8885** "Studio" 20 in. Double Face (Pattern 1068) ditto.  
**A8886** "Multilog" 10 in., Double Face (Pattern 970) ditto.  
**A8887** "Hyperbolog" 10 in., Double Face (Pattern 971) ditto, and Hyperbolic Scale.  
**A8888** "Electro" 5 in. (Pattern 814) ... Fundamental, Reciprocal, Squares, Cubes, Mantissa, Trigonometric, Log-Log.  
**A8889** "Electro" 10 in. (Pattern 914) ... ditto.

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## SLIDE RULES

### "FABER CASTELL" SLIDE RULES

These slide rules, graduated with extreme care, give results which satisfy all requirements. Timbers used for the laminated stocks are subjected to scientific seasoning. Brass inserts give added strength.

GEROPLAST is a resilient, non-inflammable plastic; it is washable and particularly resistant to temperature changes.

Faber Castell Slide Rules are supplied in case with standard cursor and instruction booklet.

#### 10 in. WOOD BASED

##### Scales

- A8891** "Business" 10 in. (Pattern 1/22) ... Basic CD, Complementary CF, DF, Reciprocal, Mantissa, £ conversion, Log-Log, and marks for international variations (weights and measures).  
**A8892** "Darmstadt" 10 in. (Pattern 1/54) Mantissa, Cubing, Squares, Reciprocal, CD, Pythagorean, Trigonometric, Log-Log.  
**A8893** "Basic" 10 in. (Pattern 1/60) ... A, B, C, D.  
**A8894** "Rietz" 10 in. (Pattern 1/87) ... Cubing, Squares, Reciprocal, CD, Mantissa, Trigonometric.  
**A8895** "Engineers" 10 in. (Pattern 1/92) ... Log-Log, Squares, Reciprocal, CD, Cubing, Mantissa, Trigonometric.  
**A8896** "Electro" 10 in. (Pattern 1/98) ... Log-Log, Squares, Reciprocal, CD, Cubing, Mantissa, Trigonometric, Voltage, drop in electrical circuits, efficiency of dynamos and motors.

#### 20 in. WOOD BASED

##### Scales

- A8901** "Darmstadt" 20 in. (Pattern 4/54) Mantissa, Cubing, Squares, Reciprocal, CD, Pythagorean, Trigonometric, Log-Log.  
**A8902** "Rietz" 20 in. (Pattern 4/87) ... Cubing, Squares, Reciprocal, CD, Mantissa, Trigonometric.  
**A8903** "Electro" 20 in. (Pattern 4/98) ... Log-Log, Squares, Reciprocal, CD, Cubing, Mantissa, Trigonometric, Voltage drop in electrical circuits, efficiency of dynamos and motors.

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## SLIDE RULES

## "FABER CASTELL" SLIDE RULES (Continued)

## 10 in. "GEROPLAST" (washable plastic)

Scales

- A8905** "Darmstadt" 10 in. (Pattern III/54) Mantissa, Cubing, Squares, Reciprocal, CD, Pythagorian, Trigonometric, Log-Log.
- A8906** "Rietz" 10 in. (Pattern III/87) ... Cubing, Squares, Reciprocal, CD, Mantissa, Trigonometric.
- A8907** "Electro" 10 in. (Pattern III/98) Log-Log, Squares, Reciprocal, CD, Cubing, Mantissa, Trigonometric, Voltage drop in electrical circuits, Efficiency of dynamos and motors.
- A8908** "Students Rietz" 10 in. (Pattern 57/87) Cubing, Squares, Reciprocal, CD, Mantissa, Trigonometric.
- A8909** "Students Log-Log" 10 in. (Pattern 57/92) Log-Log, Squares, Reciprocal, CD, Cubing, Mantissa, Trigonometric.

## 5 in. "GEROPLAST" (washable plastic) Pocket Rule

Scales

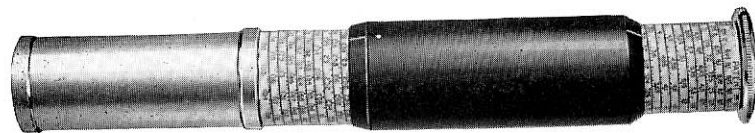
- A8911** "Primary" 5 in. (Pattern 67/39) ... A, B, C, D.
- A8912** "Darmstadt" 5 in. (Pattern 67/54B) Mantissa, Cubing, Squares, Reciprocal, CD, Pythagorian, Trigonometric, Log-Log.
- A8913** "Rietz" 5 in. (Pattern 67/87) ... Cubing, Squares, Reciprocal, CD, Mantissa, Trigonometric.
- A8914** "Basic" 5 in. (Pattern 67/91) ... A, B, C, D.
- A8915** "Electro" 5 in. (Pattern 67/98B) ... Log-Log, Squares, Reciprocal, CD, Cubing, Mantissa, Trigonometric, Voltage drop in electrical circuits, Efficiency of dynamos and motors.
- A8916** "Student Rietz" 5 in. (Pattern 167/87) Fundamental, Cubing, Mantissa, Reciprocal, Trigonometric.

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Note :—Spare Cursors and Magnifying Cursors can be supplied for any of the Slide Rules listed.

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## THE "OTIS KING" CALCULATOR



A8921-A8922

Size fully extended,  $10\frac{1}{2} \times 1\frac{1}{2}$  in.Size closed for pocket,  $6 \times 1\frac{1}{2}$  in.

The "Otis King" Calculator is a pocket size instrument for the use of Scientists, Mathematicians, Engineers, Bankers, Accountants, and all business men dealing with figures. It affords a simple means of solving rapidly and accurately almost every kind of calculation.

Spiral scales, which are plastic covered, and resistant to wear and moisture, are mounted on two tubes, while a third tube, mounted on the Holder, forms a tubular cursor, carrying at each end an engraved arrow or pointer which can be set at any mark.

As all three parts of the instrument are made of metal there is no possibility of warping.

Three simple movements form the basis of every calculation, and full working instructions are supplied with the instruments. Two models are available as follows :—

- A8921** "Model K" Otis-King Calculator, for all calculations involving multiplication, division and proportion, including costs, percentages and foreign exchange problems. Except where reading of logarithms is desired, it is recommended in preference to Model L, as the double scale on the cylinder frequently reduces the number of settings in a series of calculations.
- A8922** "Model L" Otis-King Calculator, for all calculations for which Model K can be used. It gives in addition, logarithms of all numbers, by means of which roots and powers may be calculated.

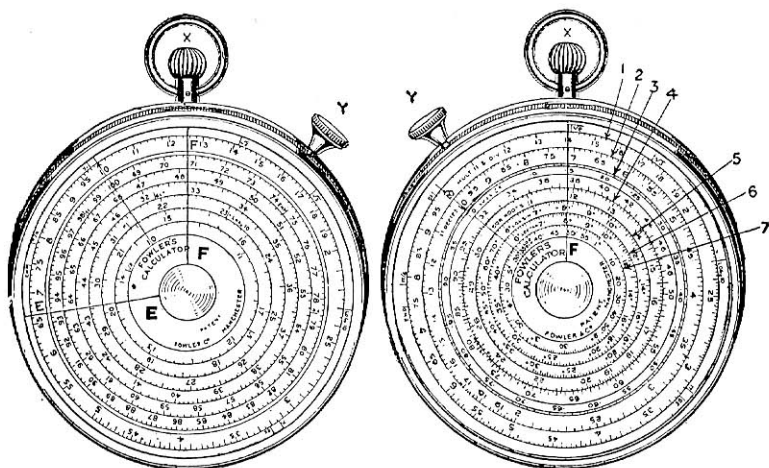
## ACCURACY

Users of the slide rule will realise at once the value of the 66 in. scales of the Otis King's Calculator. Accurate results to four or five significant figures can be relied on.

FULLY DESCRIPTIVE LEAFLET ON APPLICATION

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## THE "FOWLER" POCKET CALCULATORS



- A8931 Fowler's "Universal" Calculator**, for Engineers, Draughtsmen, Students and Professional men. Diameter  $3\frac{1}{4}$  in., with the following six scales : Primary for multiplication and division, Reciprocals, Logs, Cubes, Sines, Tangents, and Square Roots. In case, complete with instructions.
- A8932 Fowler's "Magnum" Long Scale Calculator**, Diameter  $4\frac{1}{4}$  in. Short Scale  $13\frac{1}{2}$  in., Long Scale 50 in., having the following scales : Multiplication and Division, Reciprocals, Square Root, Logs, Sines and Tangents of angles. Complete in case with book of instructions.
- A8933 Fowler's "Jubilee Magnum" Extra Long Scale Calculator**, Diameter  $4\frac{1}{4}$  in. Short Scale  $13\frac{1}{2}$  in., Long Scale 79 in., with four Concentric Scales operated separately or in conjunction with each other. Multiplication and Division, Reciprocals, Logs. The extra Long Scale enables calculations to be made to four and sometimes five and six significant figures. In case complete with instructions.

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