

THE
ROTARULE
 TRADE MARK

A 50-INCH POCKET "SLIDE RULE"

Persons familiar with straight slide rules learn the Rotarule in a few minutes. Beginners also learn fundamentals in a few minutes after which an hour or two spent working examples develops speed and accuracy. Proficiency in the common problems is attained in 3 to 8 hours.

Why the **ROTARULE** Is the Easiest "Slide Rule" to Learn

- Names of Scales are printed in red on the transparent runner

THUS



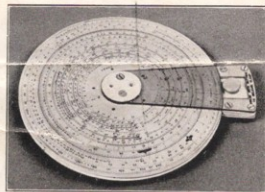
- With Circular Form it is impossible to "run off the end" of any scale.
- Concise directions furnished with each instrument.
 - Simple multiplication explained in one paragraph of 6 lines.
 - Method of solving any expression quickly found by means of index.
 - Most problems illustrated by diagrams. Settings are therefore apparent without reading text.
 - Simple, practical rules for locating decimal point are given.

Do not be deterred in case the Rotarule has more scales than your work requires. Those you do not use in no way interfere and add nothing to the cost of production.

THE
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A 50-INCH POCKET "SLIDE RULE"

A 50-inch Rule
 with a
 5-inch Portability



Large enough to surpass a 10-inch rule
 Small enough to fit your Coat Pocket

TWO PAIRS OF NUMBER SCALES

For Speed: Use 13-inch C and D scales.
 For 4-Place Accuracy: Use 50-inch scales
 coiled four times around dials in spiral form.
 Either pair multiplies and divides.

Also all standard scales for squares, cubes,
 trigonometry, logarithms, powers and roots;
 and special scales not found on other rules.

MANUFACTURED BY
 J. R. DEMPSTER, 2204 GLEN AVENUE
 BERKELEY, CALIFORNIA, U. S. A.

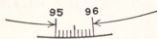
Four Figure Accuracy With 5 Inch Diameter

COMPARISON OF DISTANCE between 95 and 96 on

THE **ROTARULE**

and on a

10-INCH STRAIGHT SLIDE RULE



More than $\frac{1}{4}$ -inch
space divided into
10 parts



Space divided
into 2 parts

AND IN ADDITION there are 13-inch Scales for rapid 3-place Multiplication and Division

Disk turns in ring with smooth, even
friction.

Unbreakable Runner.

Scales designated on runner.

You can't miss the one you want

RUNNER LOCK

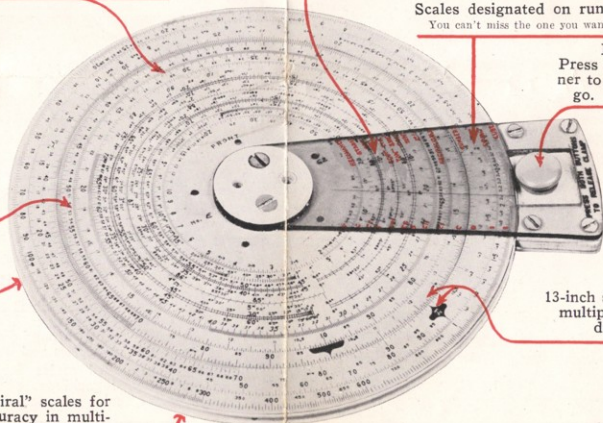
Press the buttons, move runner to desired position and let go. It will clamp in place.

Clear, sharp,
accurate scales on
BOTH sides.

13-inch scales for fast
multiplication and
division.

50-inch "Spiral" scales for
highest accuracy in multi-
plication and division.

5 inches



METHOD OF OPERATION

Most problems are solved by the use of two scales, set in correct relation to one another by turning the disk within the ring. Settings are then made on one scale, answers read opposite on the other scale. Example: 5.32×7.18 . Set index of scale C at 5.32 on scale D. Opposite 7.18 on scale C, read the product, 38.2 on scale D.

DETAILED DESCRIPTION

Accurately machined from thoroughly seasoned solid celluloid. Dials set flush. Three screws in edge of ring operate metal shoes for taking up play or wear, and adjusting friction of disk. Therefore disk always fits perfectly in ring, and is accurately concentric with it. Black scales on white background stand out clearly and sharply. Produced from engine divided master plates. Absolutely permanent with hardest use. Runners of colorless transparent celluloid with fine black hair-lines.

From rim, toward center

THE SCALES ARE AS FOLLOWS—

(Model AA)

Front

Cubes
Squares
Numbers

—Contact between disk and ring—

Numbers
Reciprocals
Offset Scale*
Sines
Cosines
Sines, Tangents of Small Angles
Tangents
Cotangents
Stadia Scale
Square Scale

Back

50-inch Outer "Spiral" (4 coils);
DLL Scale (used with Log Log Scale)
V2 Scale (for solving $\sqrt{x^2 + y^2}$ with one setting)

V1 Scale (for solving $\sqrt{x^2 + y^2}$ with one setting)
50-inch Inner "Spiral" (4 coils);
Log Log Scale (4 coils)
Scale of Common Logarithms

*For multiplying by π without setting the disk.
†By limiting the number of coils to 4, the roughest estimate of the answer is sufficient to determine on which coil to read.

PRICE \$ **21.00**
with directions

Major Scales 50-inches—30¢ per inch
As against \$1 per inch for best straight slide rules

SPECIFICATIONS

Diameter $5\frac{1}{10}$ inches
Thickness of Body of Rule $\frac{3}{32}$ inch
Weight $4\frac{3}{4}$ ounces

MAGNIFIER

3 power; mounts in center of rule on either side,
and turns with runner. \$2.50 extra

\$3.00

LEATHER CASE

Fits coat pocket but also has belt loops and special pocket for magnifier. \$1.00 extra.

\$1.75

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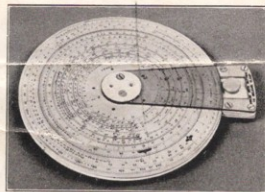
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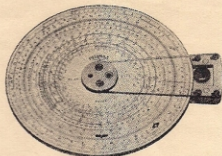
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J. R. DEMPSTER

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BERKELEY, CALIFORNIA

TELEPHONE ASHBERY 1427

1-415-848-1427



← 5 INCHES →

February 13, 1943.

MANUFACTURER OF THE

ROTARULE
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A 50-INCH POCKET SLIDE RULE

Mr. Francis S. Atkins, R.T. 2/c
D.C.O.,
N.O.B.,
Norfolk, Virginia.

Dear Sir:

In reply to your letter of February 10th, just received, Rotarules are still available, but there is a delay of several months in delivery due to the fact that we are swamped with high priority orders, which have been waiting some time, and will have to fill those first.

The exact delivery date depends on the preference rating (priority) which your commanding officer is able to give you and ranges from about April 15th for AA-1 (the highest) to about June 1st for A-1-j (which is the lowest rating on which we can sell a Rotarule.

Prices are stated on the enclosed circulars.

Hoping that this is the information you wish and that we will hear from you further, we are

Yours very truly,

J. R. Dempster
J.R.

JRD:AR
Encl.