HOW TO USE THE CALCULATOR

MONEY SCALE

TOP ARROW — CYLINDER

INDICATOR

QUANTITY SCALE — BOTTOM ARROW
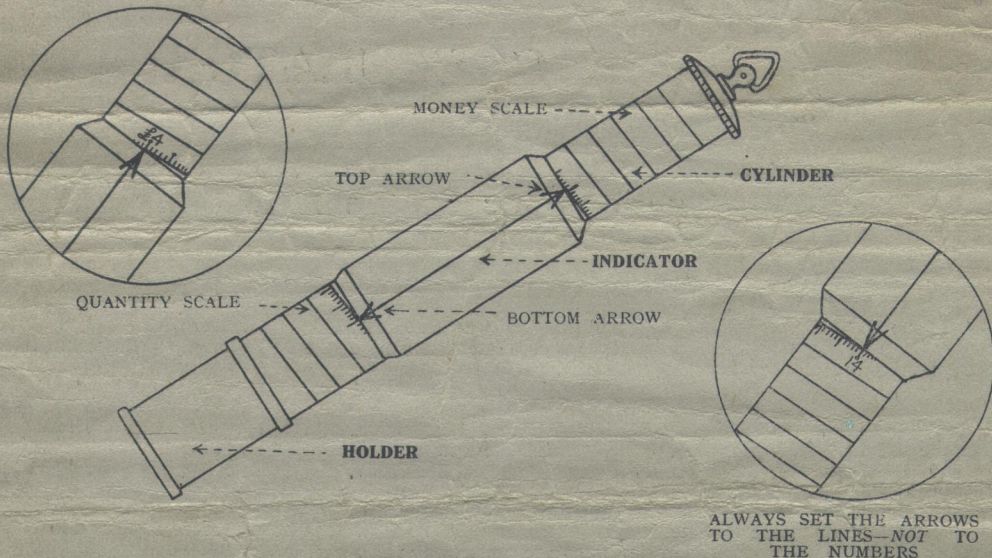
HOLDER

SIMPLICITY OF OPERATION

The following sequence of movements should always be adhered to in operating the Instrument :—

Movement 1.—Take the **Holder** in the left hand, and open Instrument to full extent. Move **Indicator** to set bottom arrow.

Movement 2.—Move **Cylinder** so that number on scale is set to top arrow (*not the arrow to the number*).

Movement 3.—Move **Indicator** to set either arrow to the question—the companion arrow will then point to the answer.

MULTIPLICATION.

The multiplication of any number of factors consecutively is effected by using only the upper and middle index marks on the top scale.

Example : $2 \times 3 \times 4$.

Set bottom arrow to 2. Set middle index to top arrow. Set top arrow to 3. Set top index to top arrow. Set top arrow to 4 Read answer at bottom arrow.

DIVISION.

The division of any two numbers is effected by setting the bottom arrow to the divisor and setting the dividend—on the upper half of the top scale—to the top arrow.

On setting the bottom arrow to the lowest index, the quotient appears at the top arrow.

(*N.B.*—From the above it will be seen that any question of **Proportion** or **Percentage** can be solved with equal facility. When dealing with **Percentage** problems, any of the five indices may be read as 100.

Otis King's Patent Calculators are made in 10 Standard Models:—

Model		Range of Scales	Model		Range of Scales
A	Retail Cash, sterling currency	1d. to £100	F	Retail Cash, sterling currency	1d. to £100
	Numbers showing vulgar fractions... ...	1 to 2,500		Wholesale Weights, qrs. and cwts.	1 qr. to 28 tons
B	Retail Cash, sterling currency	1d. to £100	G	Wholesale Cash, sterling currency	1s. to £1,000
	Numbers, showing decimals	1 to 2,500		Retail Weights, ozs., lbs., stones, quarters	1 oz. to 156 lbs.
C	Wholesale Cash, sterling currency	1s. to £1,000	H	Wholesale cash, sterling currency	1s. to £1,000
	Numbers showing vulgar fractions... ...	1 to 2,500		Wholesale Weights, qrs. and cwts.	1 qr. to 28 tons
D	Wholesale Cash, sterling currency	1s. to £1,000	J	Wages Cash, sterling currency	1d. to £8
	Numbers, showing decimals	1 to 2,500		Time, hours, quarters, and minutes... ...	1 hr. to 80 hrs.
E	Retail Cash, sterling currency...	1d. to £100	K	Engineer's Special Model, slide rule scales, giving four or five significant figures	—
	Retail Weights, ozs., lbs., stones, quarters	1 oz. to 156 lbs.			

SPECIAL NOTE

Each of the above Models covers all the ordinary requirements of the branch of business for which it is made. If your business involves calculations outside the scope of these Standard Models, we shall be pleased to quote you for a Calculator mounted with special scales designed to meet your needs.

Patentees and Sole Manufacturers

Carbic Limited

Otis King's Patent CALCULATOR

Operating Instructions for Mathematical Model K

OTIS KING'S Patent Calculator will solve all mathematical problems which can be solved by an ordinary slide rule. This Model is equivalent to a slide rule 66 in. long, and has a much greater degree of accuracy.

This Instrument is simple, both in design and operation, and can be carried comfortably in the pocket. It is practically indestructible, and is quite unaffected by climatic changes. It consists of three parts, which are inseparable, and weighs only four ounces.

The fundamental principle of this Instrument is so simple that no elaborate explanation is required by the users of a slide rule to acquire proficiency in its use.

General Description

The Calculator consists of three inseparable parts :—

(1) **The Holder,** on which is mounted a scale, from 1 to 9·99, graduated as follows :—

By ·001 from 1 to 1·1	By ·005 from 2 to 4
,, ·002 ,, 1·1 ,, 2	,, ·01 ,, 4 ,, 9·99

(2) **The Cylinder,** on which is mounted a scale, from 1 to 99·99, graduated as follows :—

By ·001 from 1 to 1·1	By ·01 from 10 to 11
,, ·002 ,, 1·1 ,, 2	,, ·02 ,, 11 ,, 20
,, ·005 ,, 2 ,, 4	,, ·05 ,, 20 ,, 40
,, ·01 ,, 4 ,, 10	,, ·1 ,, 40 ,, 99·99

(3) **The Indicator,** on which two sets of arrows are engraved, one set being very fine for specially close readings.

" It is as easy to set as a clock, and as plain to read as a yard stick."

Otis King's
PATENT
CALCULATOR

PATENTEES & SOLE MANUFACTURERS

Carbic Limited

31 HOLBORN VIADUCT, LONDON, E.C.1.