

September, 1930

CATALOGUE OF

MATHEMATICAL
DRAWING
& SURVEYING
INSTRUMENTS.



W. H. HARLING, L^{TD}
MANUFACTURERS
ESTABLISHED 1851.

117, MOORGATE, LONDON, E.C. 2.

AND GROSVENOR WORKS,
MOUNT PLEASANT HILL,

UPPER CLAPTON, E. 5.

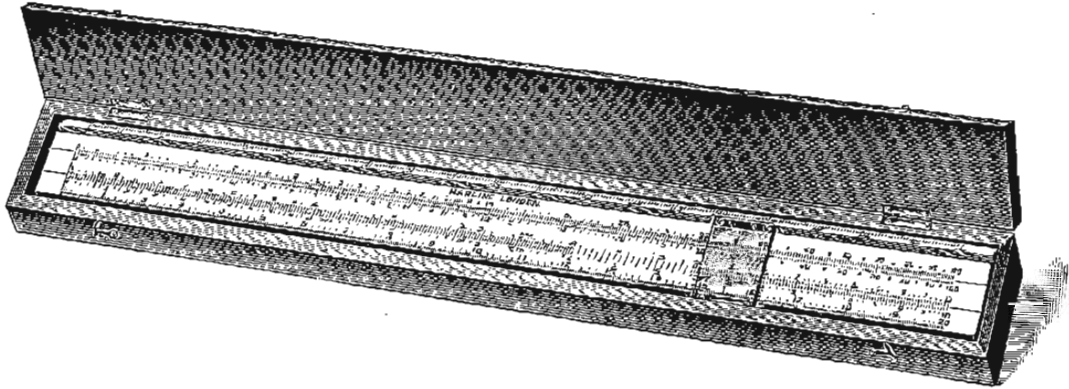
TELEGRAMS: "CLINOGRAPH, LONDON."

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SLIDE RULES

The following Slide Rules are made throughout in our factory at Upper Clapton. They are all fitted with screw adjustments so that any shrinkage or expansion of the slide can be corrected.



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|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|-----------|
| 700 | W. H. Harling's 20-inch SLIDE RULE, standard pattern, made of well-seasoned mahogany, faced with white celluloid, adjustable friction slide, full view glass cursor, graduated with the following scales : A, B, C, D, and log scales on face of rule, sines and tangents on underside of slide. inches and 10th and millimetres on edges, fitted in polished wood case. | £ | s. | d. | Code Word |
| | Overall length of rule, 21½ inches | 3 | 10 | 0 | Slira |
| 702 | SAME RULE as No. B.E. 700, but having triple or cubing scale graduated on top edge of face ... | 3 | 15 | 0 | Slire |

The Scales of the above rules are not closely divided, so that they may be read easily and quickly, the graduation is as follows :—

A, B, C, and D scales :— 1 to 2 into 100 parts. 2 to 4 into 50 parts.
4 to 10 into 20 parts.

We also supply these rules with the C and D scales more closely divided, viz. :—

1 to 2 into 200 parts. 2 to 6 into 100 parts. 6 to 10 into 50 parts.

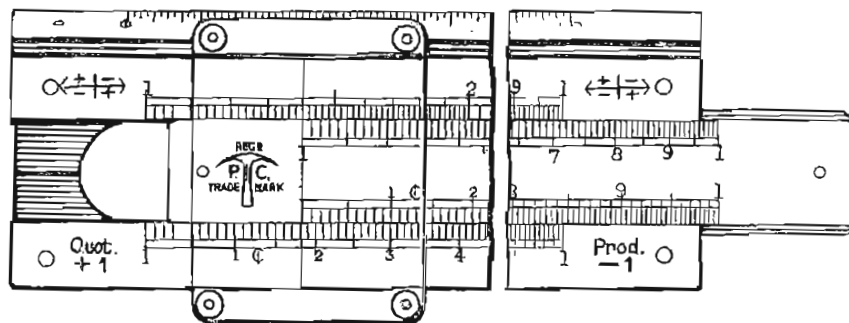
- | | | | | | |
|-----|-----------------------------------------------|---|----|---|-------|
| 704 | As No. 700, but with close graduations | 3 | 15 | 0 | Slira |
| 706 | As No. 702, ditto ditto | 4 | 0 | 0 | Sliru |

(Spare cursor for either of above Rules, 5/6, new glass only 2/-).

- | | | | | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|---|-------|
| 708 | 20-inch LOG LOG-SLIDE RULES (our own make).
Similar to B.E. 700 but having in addition a log log-scale. A pointer is fitted on the cursor (working against the inches and 10ths scale on bevelled edge), for finding the mean height of indicator diagrams, fitted in polished mahogany case ... | 4 | 15 | 0 | Slilo |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|---|-------|

(Spare cursor for 708 Rule, 6/6 ; new glass, 2/-).

SLIDE RULES BY VARIOUS MAKERS.

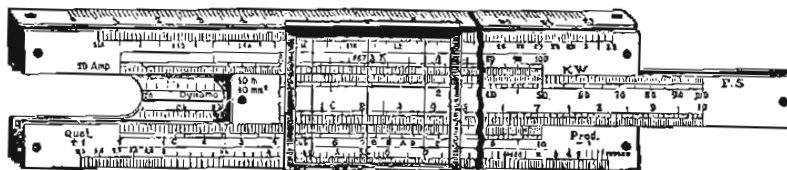


BRITISH MADE.

- | | | | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|--------------|
| 709 | SLIDE RULE, 10 in. P.I.C. "Standard" pattern, made of well seasoned wood, celluloid faced, having A, B, C and D scales on face of rule, and sines, tangents and logs on back of slide. Fitted with frameless cursor (as illustrated), complete in case with instructions | s. | d. | Code Word |
| | | 21 | 0 | <i>Slita</i> |
| 711 | SLIDE RULE, 10 in. "P.I.C.," as No. 709, with addition of log log scale (1.1 to 100,000) on face of rule | 25 | 0 | <i>Slite</i> |
| 713 | SLIDE RULE, 10 in. "P.I.C." Electrical, as No. 709 but with addition of dynamo and volt Scales | 27 | 6 | <i>Sliti</i> |
| 715 | SLIDE RULE, 10 in. "P.I.C.," celluloid faced, with glass cursor, but having A, B, C and D scales only | 10 | 6 | <i>Slito</i> |

FOREIGN MADE SLIDE RULES

- | | | | | |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|--------------|
| 716 | SLIDE RULE, 10 in., A. W. Faber's "Standard" pattern, celluloid faced, having A, B, C, and D scales on the face of rule, and sines, tangents and logs on the back of slide, in case | 21 | 0 | <i>Slifa</i> |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|--------------|

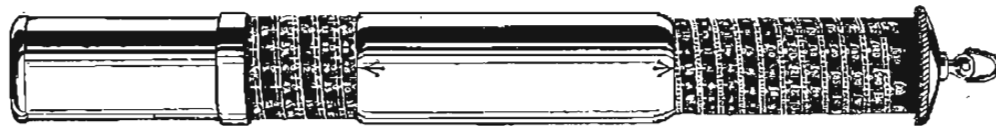


- | | | | | |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|--------------|
| 718 | SLIDE RULE, 10 in. A. W. Faber's "Electrical" pattern, having in addition to scales of the "Standard" pattern, a log log slide scale for calculating roots and powers to any exponent ... | 31 | 6 | <i>Slife</i> |
| 722 | SLIDE RULE, 10 in. Nestler's "Standard" pattern, celluloid faced, having A, B, C, and D scales on the face of rule, and sines, tangents and logs on the back of slide, in case | 18 | 6 | <i>Slina</i> |
| 724 | SLIDE RULE, 10 in. Nestler's "Reitz" pattern, similar to standard, but with two additional scales, viz., a scale of cubes, giving cubes and cube roots by direct reading. Also an inverted scale for giving reciprocals and for finding the product of three factors with one setting of the slide ... | 24 | 0 | <i>Sline</i> |

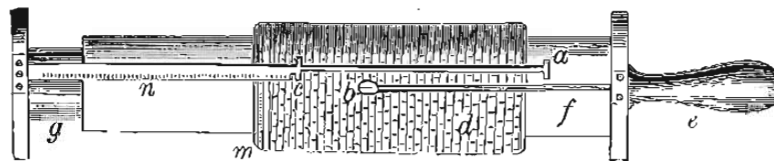
SLIDE RULES By FOREIGN MAKERS (Continued).

726 SLIDE RULE, 10 in. Nestler's "Perry," log log rule, having in addition to the scales of the standard pattern, a log log scale for the calculation of powers and roots to any index including fractional indices. This slide rule will be found particularly useful by engineers, in case s. d. Code Word
27 6 *Slini*

728 SLIDE RULE, 10 in., Nestler's "Precision." This rule is equivalent to a twenty inch rule of the normal pattern, the 20 inch logarithmic scales being divided in separate parts on a ten inch rule, in case 32 6 *Slino*



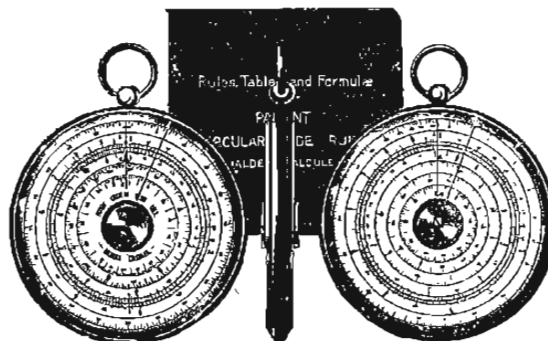
732 OTIS KING CYLINDRICAL POCKET CALCULATOR, made of brass, heavily plated (equivalent to a straight slide rule, 66 inches long), various models, in case 22 6 *Cilca*



734 FULLER'S CYLINDRICAL SLIDE RULE (equivalent to a straight slide rule, 83 feet long), giving logarithms, multiplications, divisions, proportions, etc., etc., results in four or five figures. Supplied in mahogany case with book of instructions 110 0 *Cilce*

736 Ditto, with scale of sines 130 0 *Cilci*

CIRCULAR CALCULATORS.



744 HALDEN'S "CALCULEX" CIRCULAR POCKET CALCULATOR (equivalent to a 10 in. Straight Slide Rule) 21 0 *Culex*

746 FOWLER'S CIRCULAR POCKET CALCULATOR, similar to above 20 0 *Cufex*