

AccessionIndex: TCD-SCSS-U.20121208.007

Accession Date: 8-Dec-2012

Accession By: Prof.J.G.Byrne

Object name: Blundell

Vintage: c.19xx

Synopsis: Sliderules.

Description:

Text ...

| Accession Index | Location | Vintage | Object and Identification |
|----------------------------|----------|---------|--|
| TCD-SCSS-U.20121208.007.01 | | c.19xx | <Mfgr?> <model?> sliderule. S/N: <???\> |
| TCD-SCSS-U.20121208.007.02 | | c.19xx | |
| TCD-SCSS-U.20121208.007.03 | | c.198x | |
| TCD-SCSS-U.20121208.007.04 | | c.198x | |
| TCD-SCSS-U.20121208.007.05 | | c.198x | |
| TCD-SCSS-U.20121208.007.06 | | c.19xx | |
| | | | |

References:

1. Authors, *Title*, Publication, Publisher, Date.

2. Authors, *Title*, Publication, Publisher, Date.

3. Authors, *Title*, Publication, Publisher, Date.

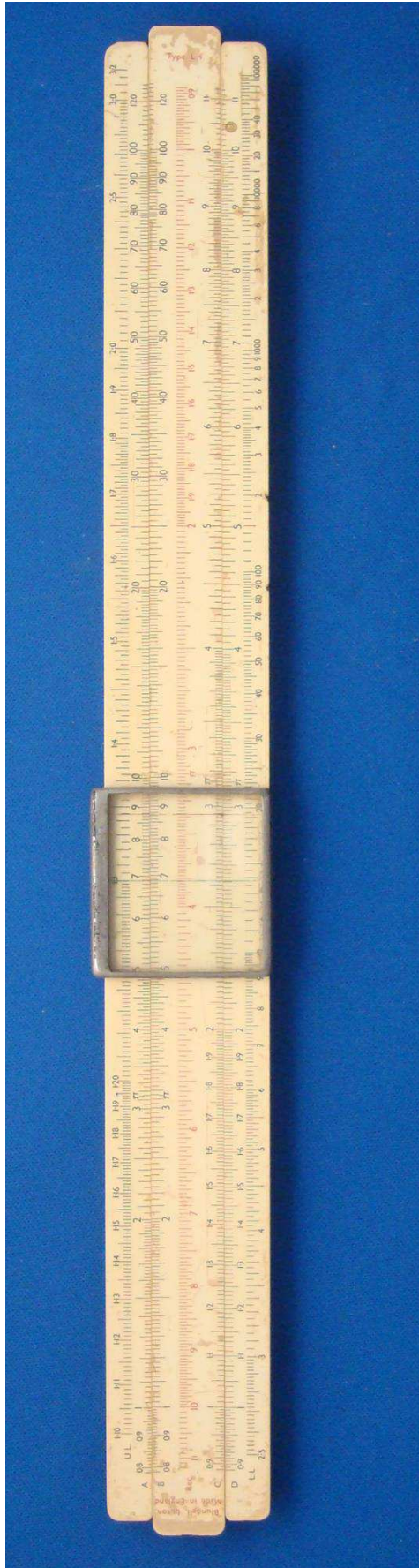


Figure 1: TCD-SCSS-U.20121208.007-fig01

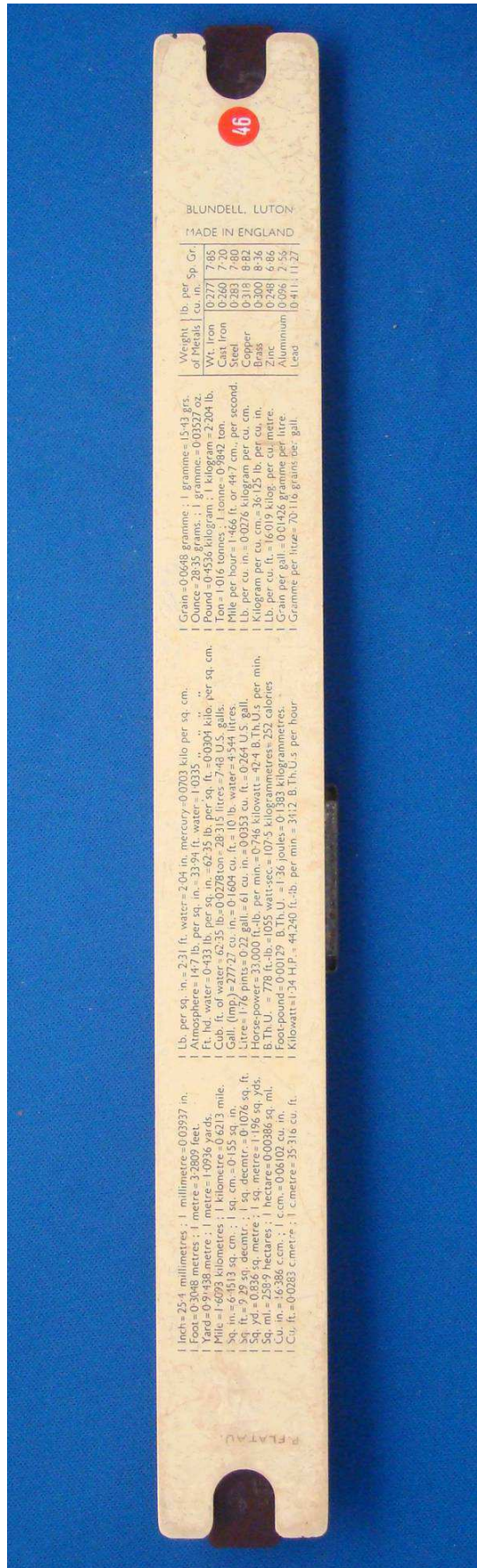


Figure 2: TCD-SCSS-U.20121208.007-fig02

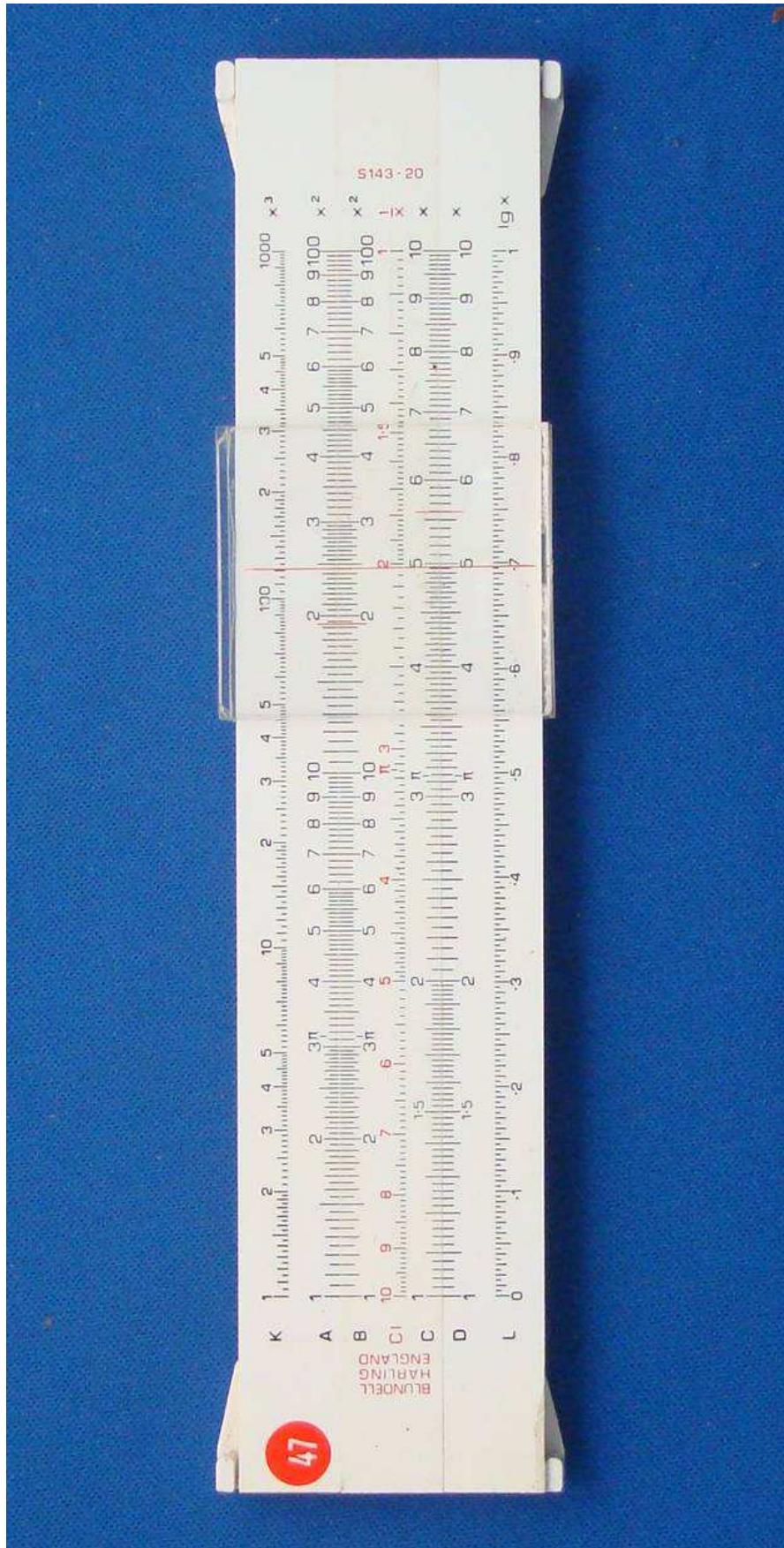


Figure 3: TCD-SCSS-U.20121208.007-fig03

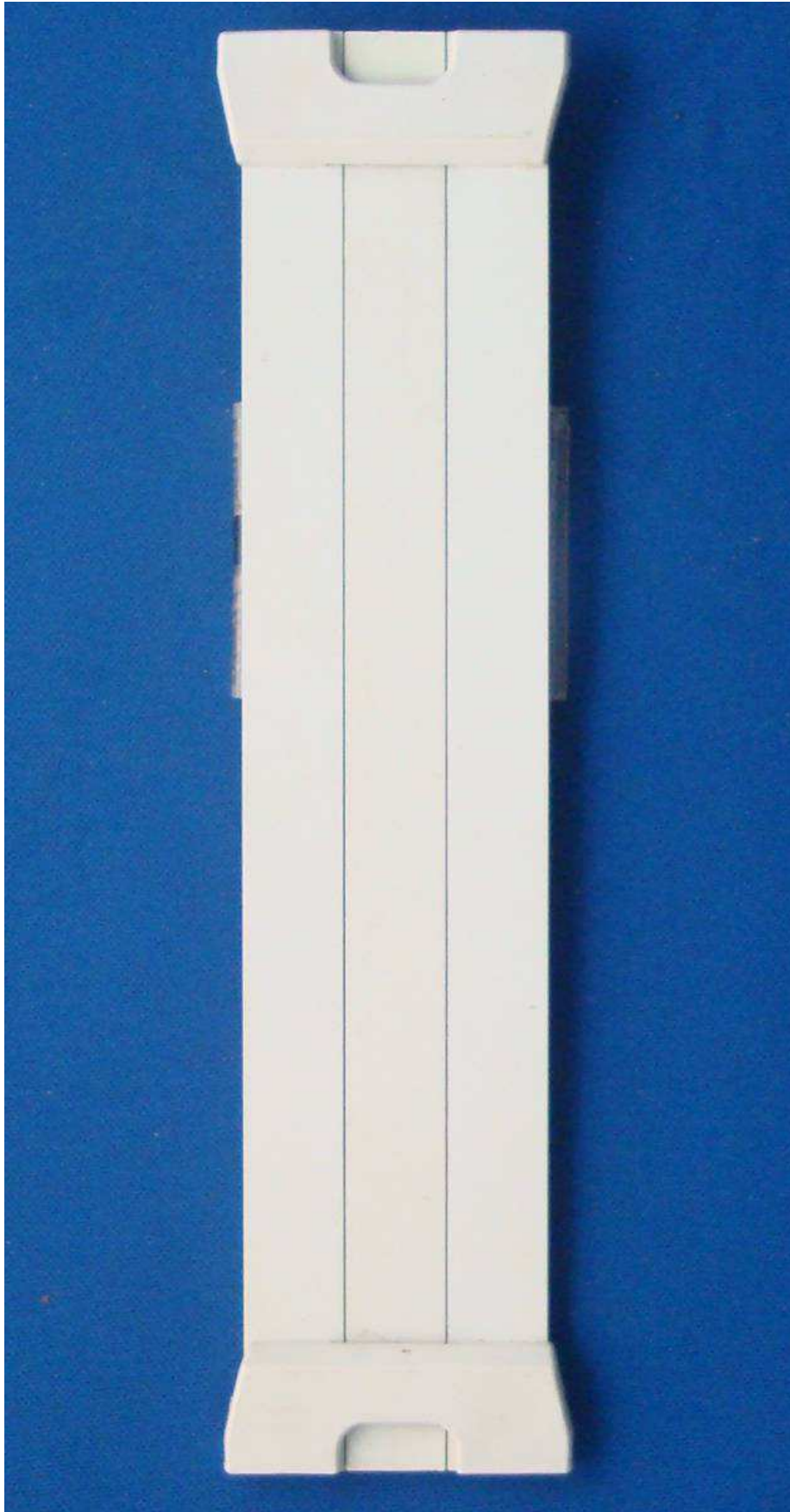


Figure 4: TCD-SCSS-U.20121208.007-fig04

SIMPLE INSTRUCTION IN SCALE USE

This leaflet shows only the basic function of the most used slide rule scales. Full instruction will be given as part of your Maths teaching or can be obtained from our book, *The Slide Rule in Everyday Use*, available from W. H. Smith & Son branches, Booksellers and Drawing Office Stationers.

TO MULTIPLY

- (1) Set numeral "1" of either end of C scale over the number to be multiplied on D scale.
- (2) Below the other number on C scale, find answer on D scale.

EXAMPLE A: $7 \times 4 = 28$

- (1) Set numeral "1" of right end of C scale over 7 on D scale.
- (2) Below 4 on C scale, read answer 28 on D scale.

EXAMPLE B: $21 \times 3 = 63$

- (1) Set numeral "1" of left end of C scale over 21 on D scale.
- (2) Below 3 on C scale, read answer 63 on D scale.

FOR SQUARING A NUMBER

- (1) Set cursor line on the number on scale D.
- (2) Read off square of this number on scale A.

FOR FINDING SQUARE ROOT

- (1) Set cursor line on the number on Scale A.
- (2) Read off square root of this number on Scale D.

TO DIVIDE

- (1) Over the number to be divided on D scale set divisor on C scale.
- (2) Read answer on D scale under the numeral "1" of either end of C scale.

Figure 5: TCD-SCSS-U.20121208.007-fig05

LOG VALUES (MANTISSAE)

(1) The L scale is the Log value of any numeral on D scale.

EXAMPLE: $\text{Log } 2 = .3010$

- (1) Set cursor line over 2 on D.
- (2) Read .3010 on Scale L.

TRIG SCALES

(1) S and T scales show Trig (Sin and Tan) values in relation to D scale.

EXAMPLE: $\text{Sin } 5^\circ = .087$

- (1) Set cursor line to 5 on D scale.
- (2) Read Sin value .087 on scale S.

EXAMPLE C: $32 \div 4 = 8$

- (1) Set 4 of C scale over 32 of D scale.
- (2) Read answer 8 on D scale under the numeral "1" of the right end of C scale.

EXAMPLE D: $72 \div 3 = 24$

- (1) Set 3 of C scale over 72 of D scale.
- (2) Read answer 24 on D scale under the numeral "1" of the left end of C scale.

TO CUBE

(1) The K scale numerical value is from 1 to 1000.

(2) The cube value is given in relation to the D scale.

EXAMPLE: $6^3 = 216$

- (1) Set cursor line over 6 on scale D.
- (2) Read 216 on scale K.

This is a Blundell Harling product made in Weymouth, England. A complete range of Educational and Drawing Office equipment is available.

Figure 6: TCD-SCSS-U.20121208.007-fig06