

AccessionIndex: TCD-SCSS-T.20121208.104

Accession Date: 8-Dec-2012

Accession By: Prof.Jane Grimson

Object name: Et ultra Washington

Vintage: c.1925

Synopsis: A large computational instrument labelled 'Et ultra Washington' and 'Brevetto Italiano N. 236298, Serie G, N. 653'.

Description:

This is a large computational instrument labelled 'Et ultra Washington' and 'Brevetto Italiano N. 236298', given to Prof.J.G.Byrne by Prof.Jane Grimson after her Father, Prof.Bill Wright, died. It is likely to have been acquired when Prof.Wright (a civil engineer) was in Italy with the British Army during World War II.

This drum calculator was designed by an Italian, Sabatini Washington Omeglia, for engineers to calculate cement baton. There is a large circular dial with annular inscribed scales on the top and a rotatable input selector arm, plus an inscribed table at the front beside a window that shows (very small) numbers, and a slider knob to select which result numbers to show (the window mechanism appears to be faulty, preventing any numbers from showing). It occupies 14 x 9 x 5 inches. The instrument was patented in Italy, no.236298.

The designer, Sabatini, published a book [1] detailing use of the Et ultra Washington to solve various design problems in reinforced concrete, see the Literature category of this catalog. The instrument and this book were widely used.

The homepage for this catalog is at: <https://www.scss.tcd.ie/SCSSTreasuresCatalog/>
Click '*Accession Index*' (1st column listed) for related folder, or '*About*' for further guidance.
The Et ultra Washington documentation is properly part of the Literature category of this catalog, but is listed here too for convenience.

Accession Index	Object and Identification
TCD-SCSS-T.20121208.104	Et ultra Washington. Markings: 'Brevetto Italiano N. 236298, Serie G, N. 653'
TCD-SCSS-V.20160305.002	I Cementi Armat, Ad Uso Del Capomastri, Ing.W.Sabatini, Quarta edizione riveduta, corretta ed aumentata con 85 illustrazioni, Ulrico Hoepli, Editore-Libraio, Della Real Casa, Milano, Tip. Cav. Allegretti, Milano, Via Orti 2, Italy (Printed in Italy) [guide to use of Et ultra Washington], 1933.

Accessions:

Et ultra Washington donated by Prof.Jane Grimson.

I Cementi Armati donated by Prof.J.G.Byrne.

References:

1. Ing.W.Sabatini, *I Cementi Armati Ad Uso Del Capomastri*, Milan, Italy, 1933



Figure 1: Et ultra Washington three-quarter view



Figure 2: Et ultra Washington top view

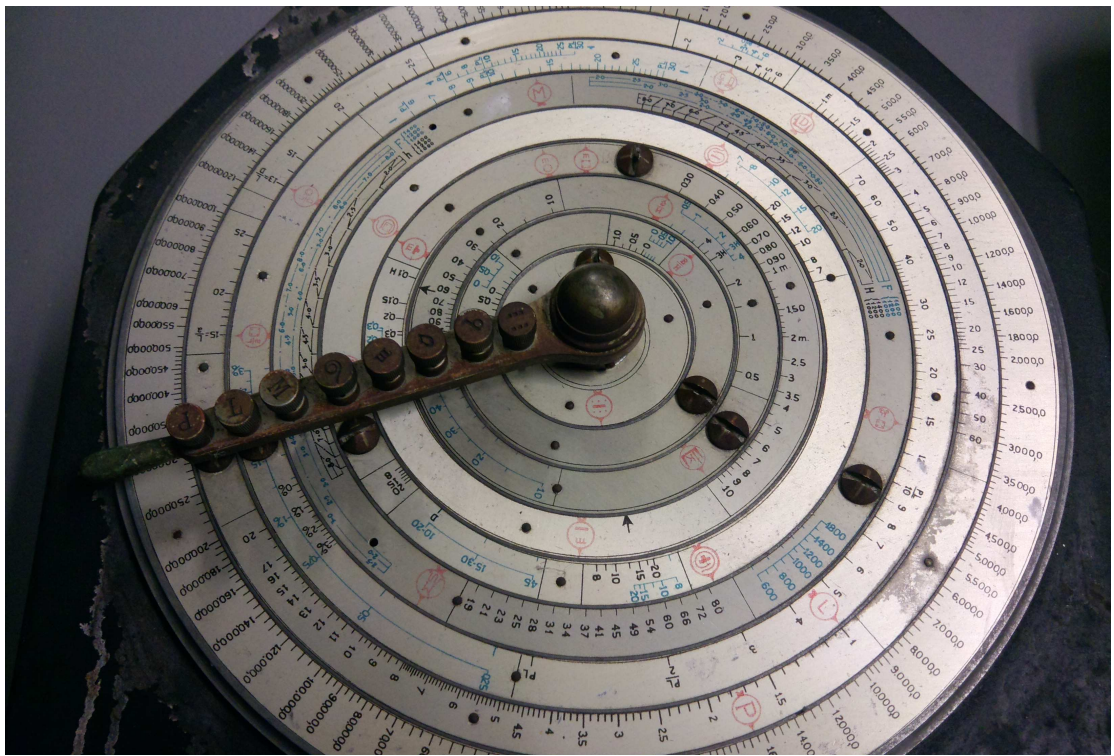


Figure 3: Et ultra Washington front view closeup

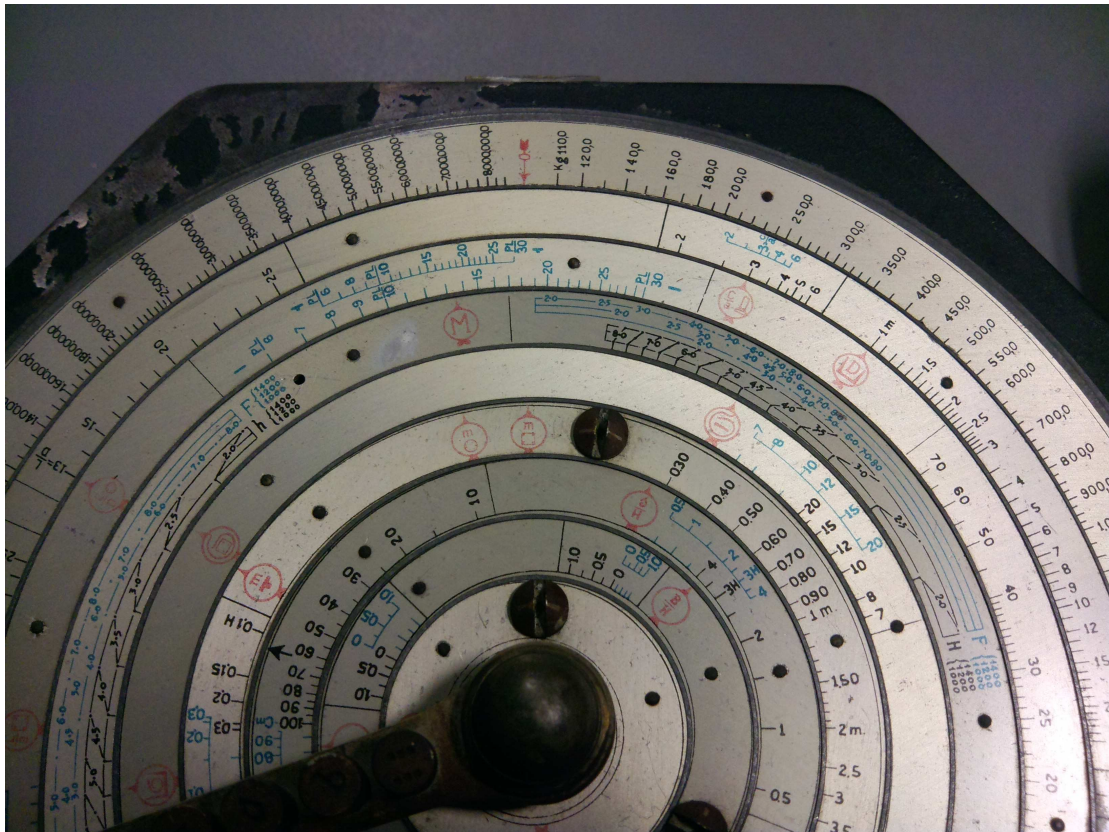


Figure 4: Et ultra Washington front view closeup

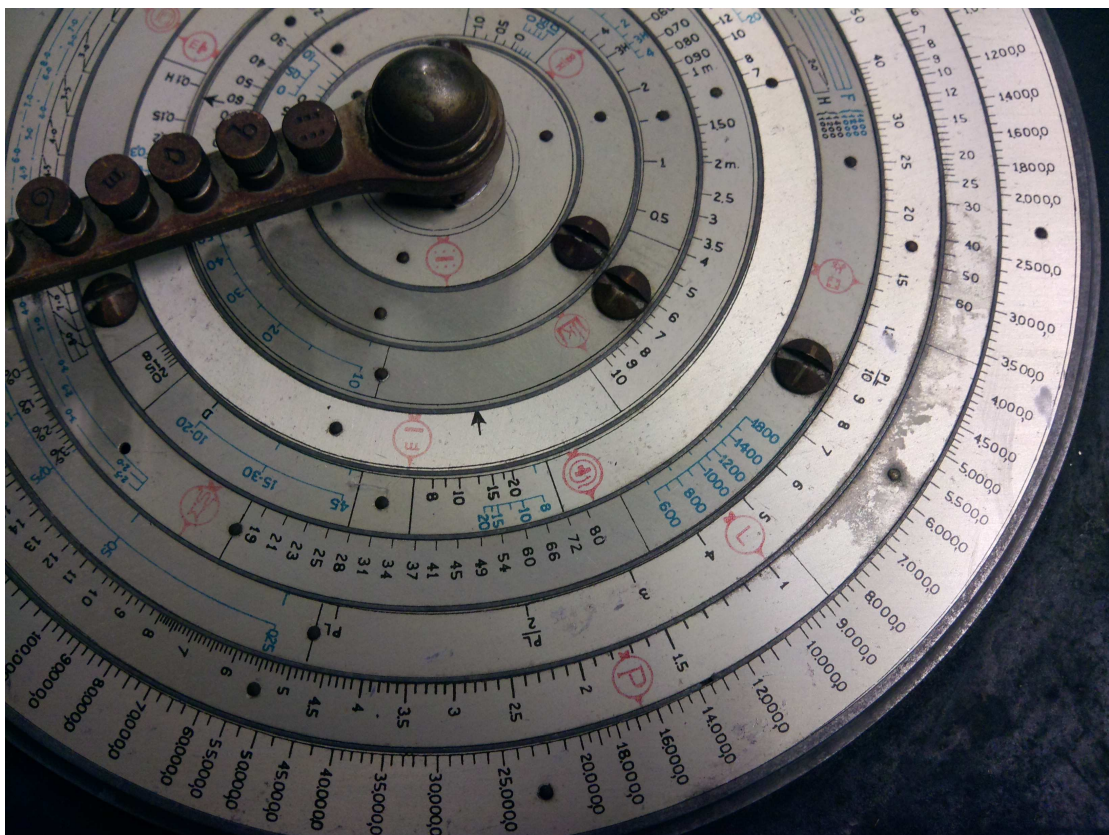


Figure 5: Et ultra Washington front view closeup

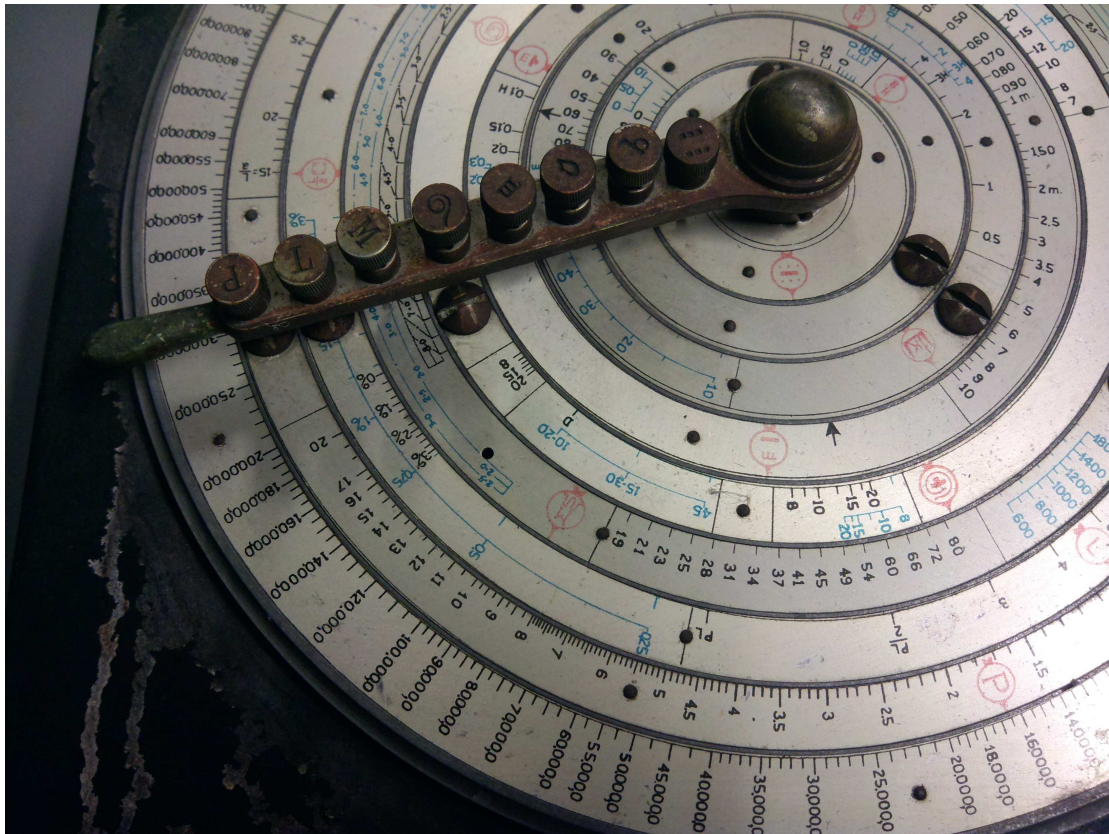


Figure 6: Et ultra Washington front view closeup

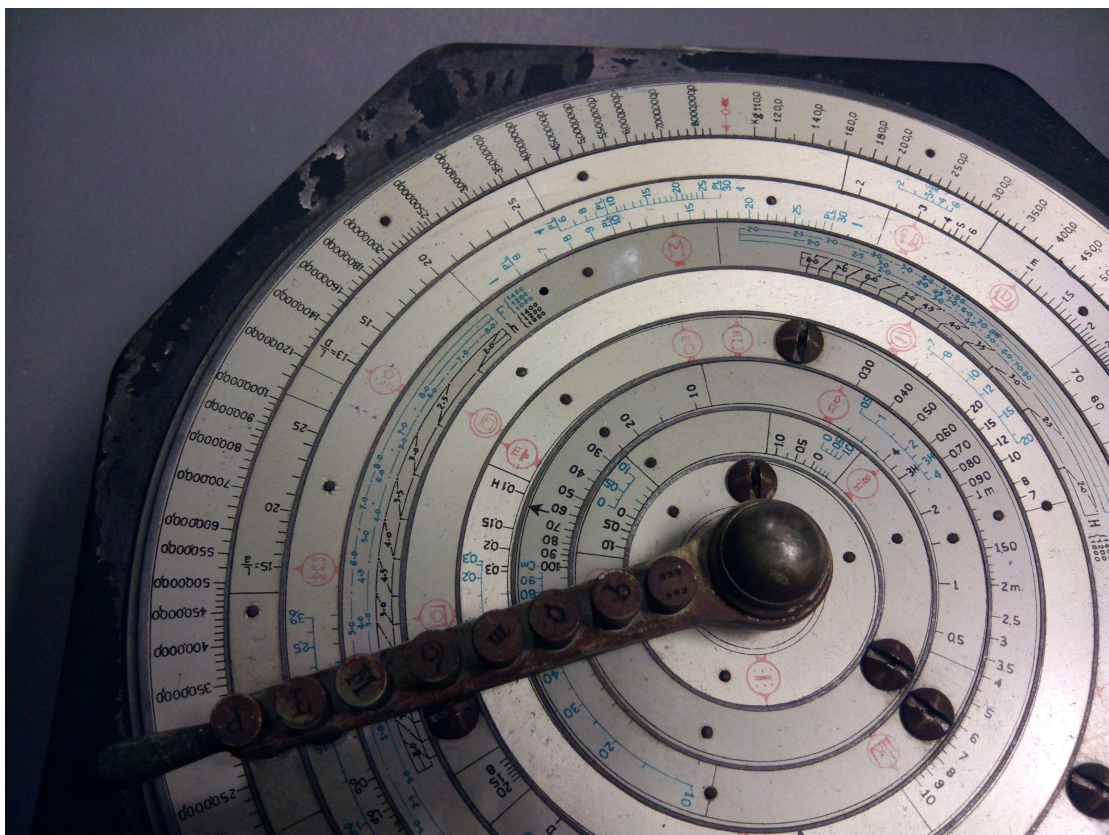


Figure 7: Et ultra Washington front view closeup

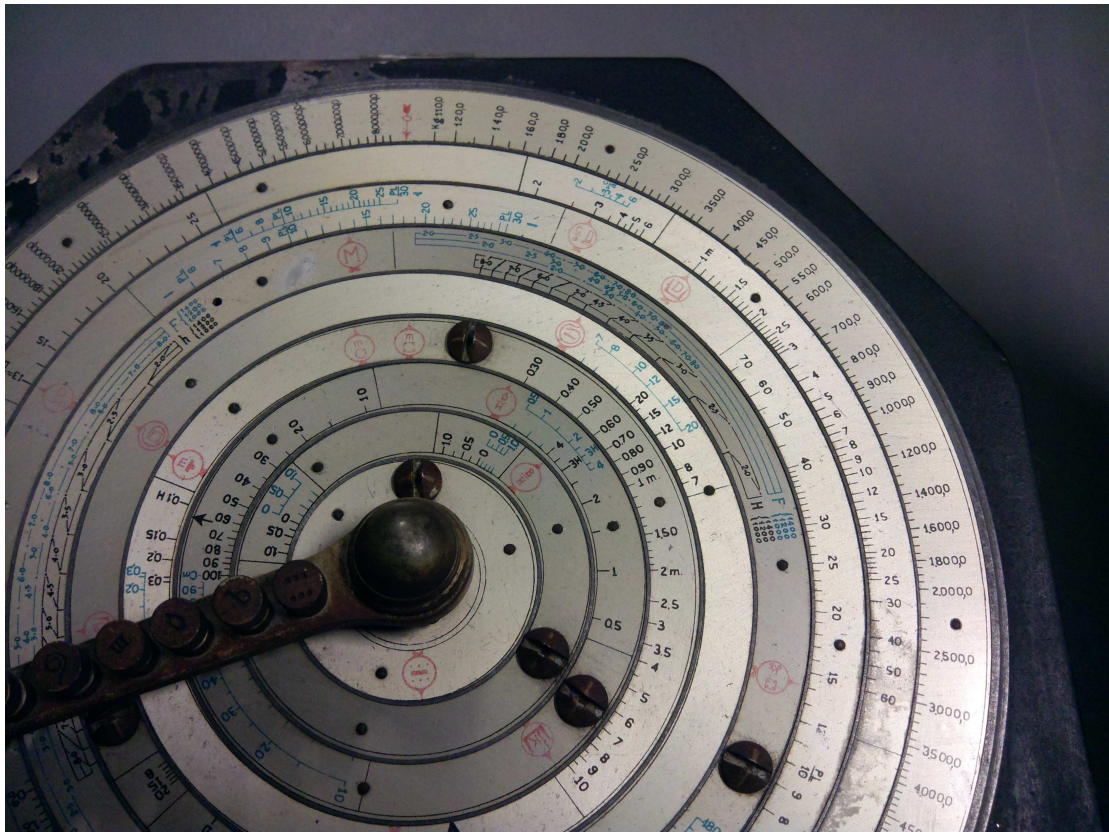


Figure 8: Et ultra Washington front view closeup

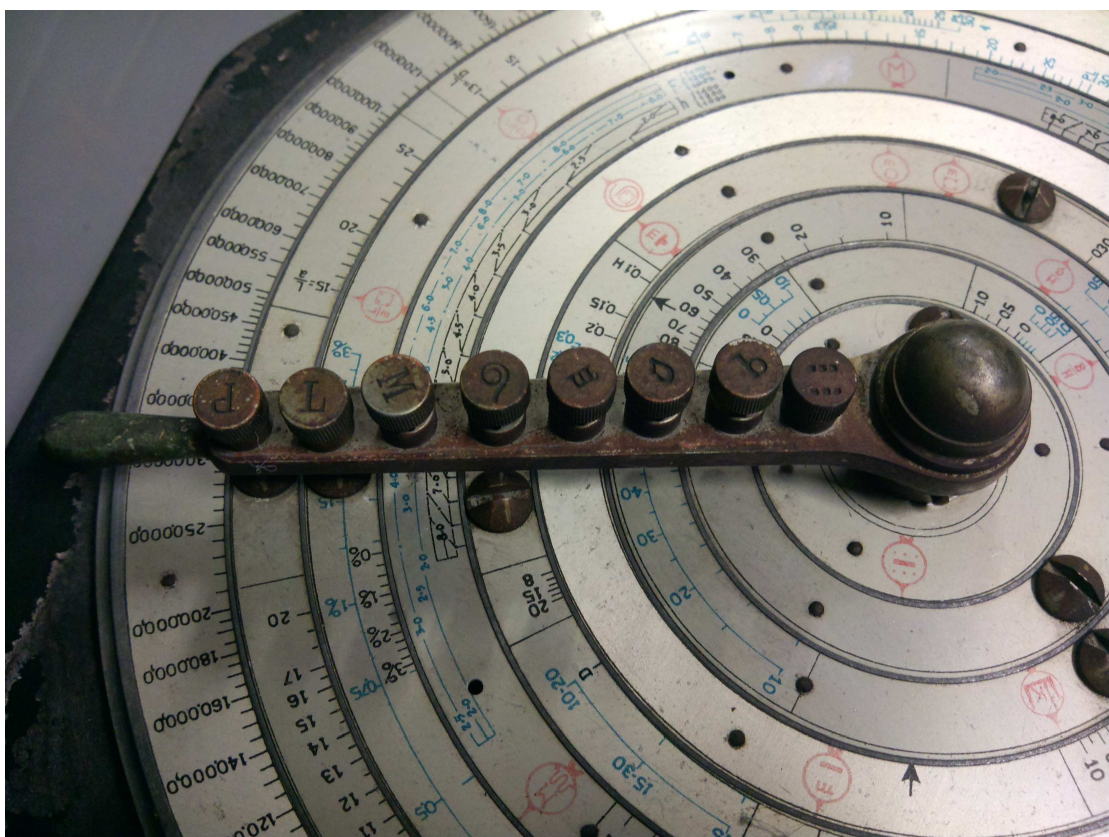


Figure 9: Et ultra Washington front view input selector arm



Figure 10: Et ultra Washington rear view



*Figure 11: Et ultra Washington manufacturing label
'Ing. Sabatini Washington Omeglia
Patent 236298, 34643, 331819, 609089, 439768, 99074, 5284'*



*Figure 12: Et ultra Washington serial number
'Brevetto Italiano N. 236298, Serie G, N. 653'*

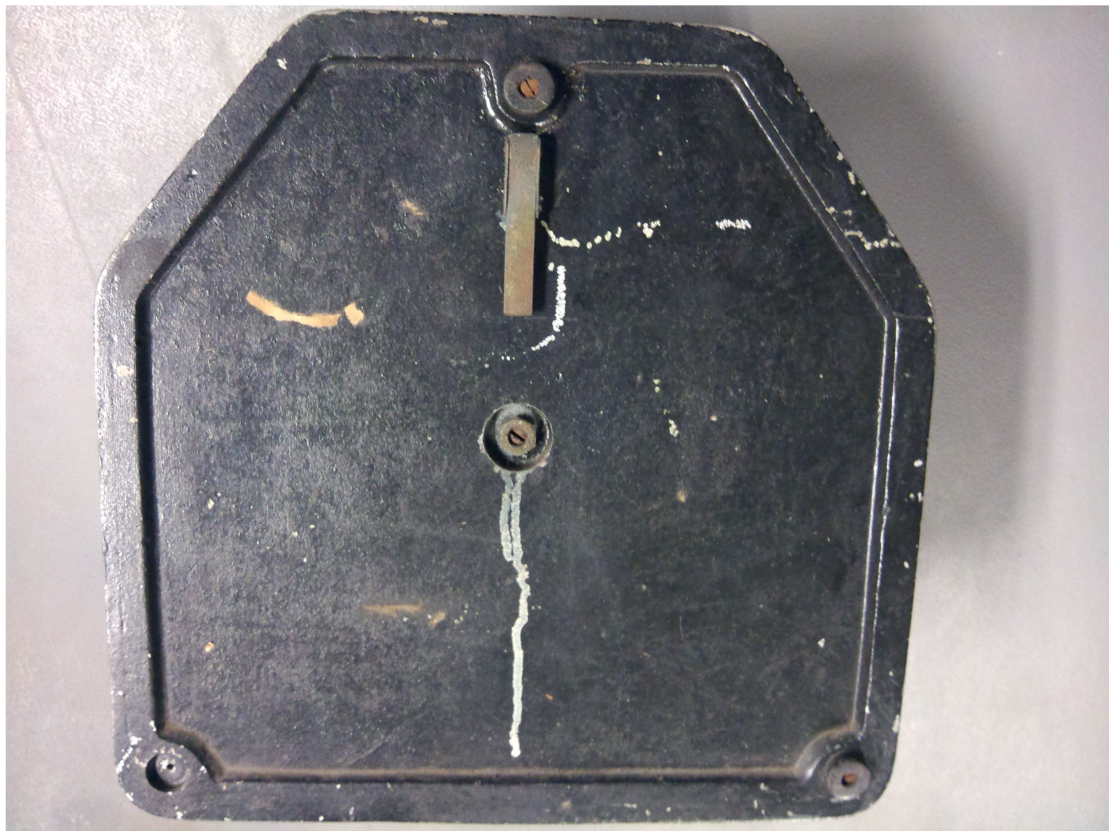


Figure 13: Et ultra Washington bottom view

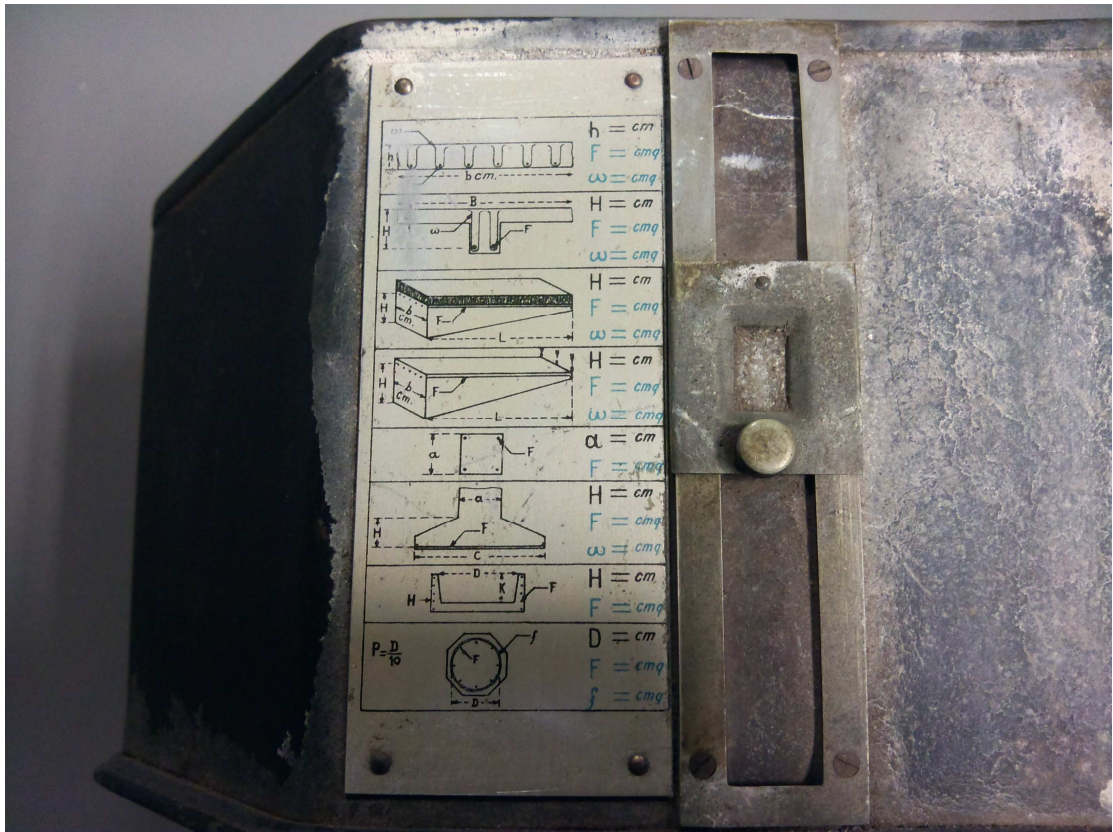
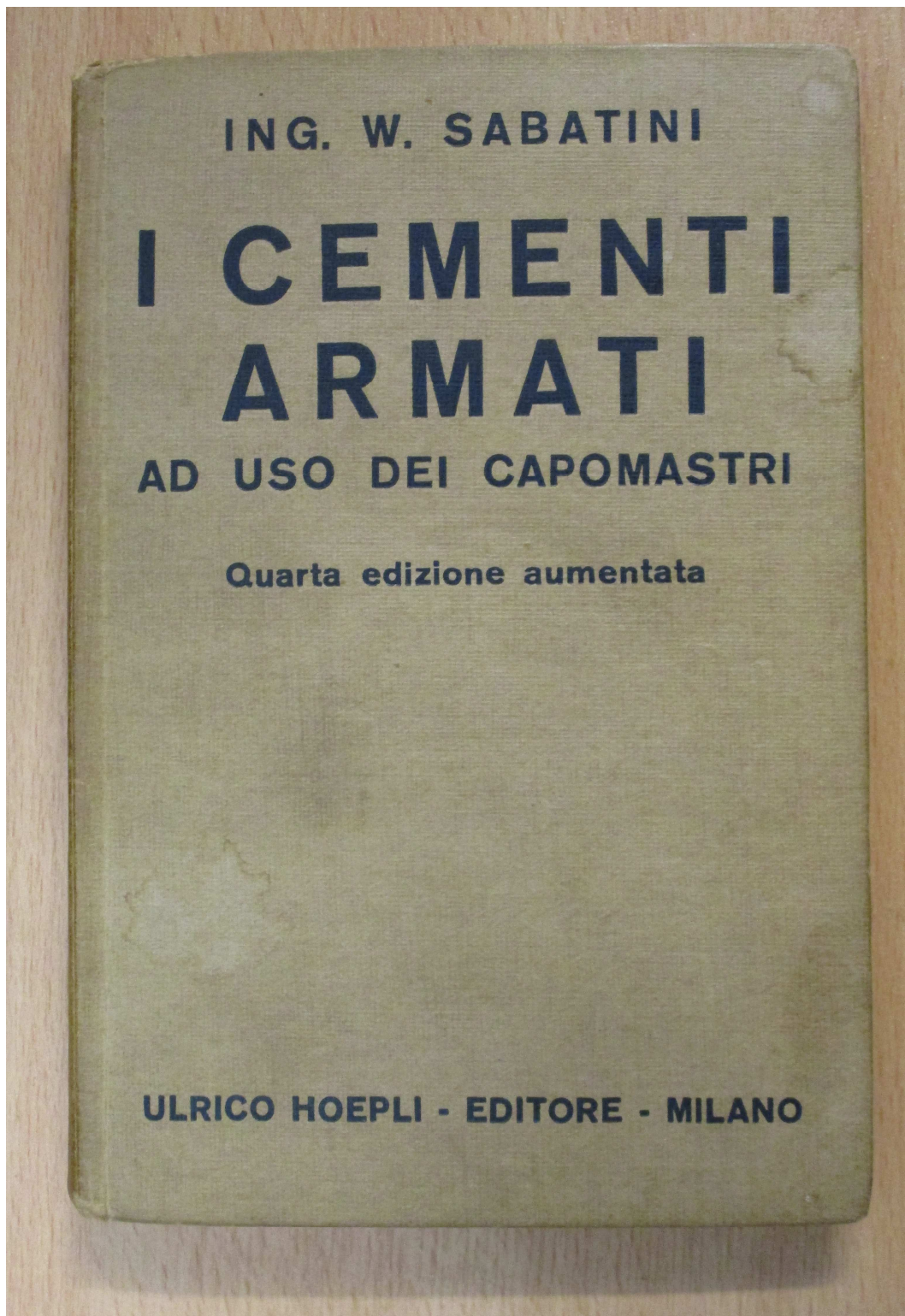


Figure 14: Et ultra Washington result selector/indicator view
 Slider knob selects which result numbers to show
 (the window mechanism appears to be faulty, preventing any numbers from showing)



*Figure 15: I Cementi Armati Ad Uso Del Capomastri, front cover
[guide to use of Et ultra Washington]*