

AccessionIndex: TCD-SCSS-T.20121208.003

Accession Date: 8-Dec-2012

Accession By: Prof.J.G.Byrne

Object name: Master Adding Machine

Vintage: c.192x

Synopsis: 9-digit decimal mechanical adding machine.

Description:

9-digit decimal Master mechanical adding machine, essentially an addiator. It is marked Breveté SGDG, which stands for 'Breveté Sans Garantie du Gouvernement', or 'Patent without Government guarantee', as in the French legislation of 1791, updated in 1800 and 1844, whereby (until 1861) patents were granted without examination. However, this calculator was manufactured by Master, Bruxelles, Belgium in the 1920s, so presumably the patent is a Belgian patent. Master produced adders both before and after World War II.

There are two strikingly large red and green electrically operated indicator lights at the top. On the Master calculator of [1] the slides are electrically isolated, the lower connected to the red light and the upper to the green, so inserting the metal stylus connects either the lower slide to the body of the machine to close the circuit that turns on the red light to indicate when to shift the slide up, or likewise connects the upper slide to turn on the green light to indicate when to shift down (electricity is provided by a battery). The crank on the side zeroes the mechanism.

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. Some of the items below may be more properly part of other categories of this catalog, but are listed here for convenience.

Accession Index	Object and Identification
TCD-SCSS-T.20121208.003	Master Adding Machine, 9-digit decimal mechanical adding machine, c.192x.
TCD-SCSS-T.20121208.001	Lightning Calculator, 7-digit decimal mechanical adding machine with rotary input dials, c.1908.
TCD-SCSS-T.20121208.002	Brunsviga Adding Machine, Decimal pin-wheel mechanical adder/subtractor (pincalculator), c.1913. S/N: 6214, Markings: <i>AGS No.50</i>
TCD-SCSS-T.20121208.004	Brunsviga 13RK Adding Machine, Decimal pin-wheel mechanical adding machine (pincalculator) , c.195x.
TCD-SCSS-T.20121208.005	ADDO Model 9 Sterling Calculator, 8-digit mechanical £-s-d (Sterling) adder/subtractor, c.1927.
TCD-SCSS-T.20121208.006	R.C.Allen Model 8s Sterling Calculator, 8-digit mechanical £-s-d (Sterling) adder/subtractor, c.193x.
TCD-SCSS-T.20121208.007	Burroughs T890-9 Protectograph, Bank cheque embosser, c.195x.
TCD-SCSS-T.20121208.008	Facit TK Calculator, Hand-cranked 13-digit decimal mechanical calculator. S/N: 202895, c.1936.
TCD-SCSS-T.20121208.009	Facit NEA Calculator, Electrical motor-driven 13-digit decimal mechanical calculator. S/N: 273356, c.1943.
TCD-SCSS-T.20121208.010	Plus 509 Adder, Quinary mechanical adding machine with 'half keyboard', c.195x.
TCD-SCSS-T.20121208.012	MADAS Portable Calculator, Model 20BTZG 10-digit fully-automatic decimal mechanical calculator. S/N: 96236, c.196x.

References

1. Andries de Man, *Master Calculator c.1930*, Univ.Delaware, see: http://www.xnumber.com/xnumber/pict_r_addiator_master.htm
Visited on 7-Jul-2015.
2. *Belgian Slide Adders*, see: <http://www.mechanicalcalculator.com/other-slide-adders/belgium/>
Visited on 7-Jul-2015.



Figure 1: Master Adding Machine front view



Figure 2: Master Adding Machine three-quarter side view



Figure 3: Master Adding Machine right side view



Figure 4: Master Adding Machine right rear three-quarter view



Figure 5: Master Adding Machine bottom three-quarter view