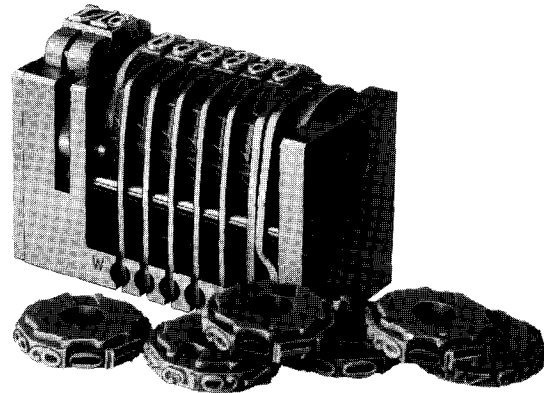


1234567  
8901234  
5678901  
2345678  
9012345  
6789012

# LEIBINGER NUMBERING MACHINES

Plunger-operated in 2 heights for use on platen and cylinder. Cast or steel wheels in 3 sizes of figure, Roman or Gothic. Backward or forward, skipping and repeating.



**Caxtonia**  
LIMITED

5 Pomeroy Drive, Industrial Estate, Oadby, Leicester, LE2 5NE. Tel (0533) 712673

*Equipment, Materials and Sundries for the Printing Industry*

# Nº

Leibinger Numbering Machines are precision built from the highest quality materials to withstand continuous high-volume production, and carry an 18 month guarantee. The figures are clear and sharp, the numbering reliably accurate.

Apart from the fact that variations to the standard models are available many specialist numbering machines are produced such as:

- (a) Combination Numbering.
- (b) Crash Numbering.
- (c) Check sales and paging
- (d) Extra large/extra small figures

Detailed information concerning these can be supplied upon request.

WE OFFER A RAPID AND RELIABLE REPAIR AND AFTER-SALES SERVICE LINKED TO A COMPREHENSIVE SPARE PARTS AND COMPONENT STOCK.

Leibinger Numbering Machines are the quality product of a leading manufacturer who has pioneered important developments in the furtherance of SPEED and PERFECTION in machine numbering, and we feel sure that you will find this brochure helpful and informative.

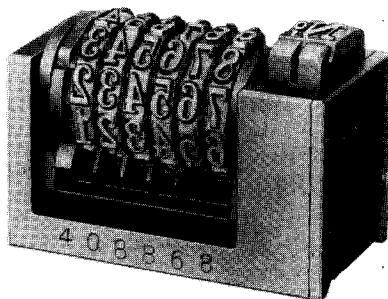


**CAXTONIA**

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## GENERAL PURPOSE NUMBERING



**Nº 979687**

*4 mm Roman*

**Nº 826430**

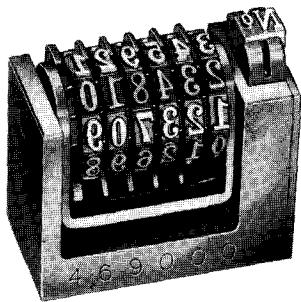
*4 mm Gothic*

These machines have Steel Frame and measure  $4\frac{1}{2}$  ems  $\times$   $8\frac{1}{2}$  ems and have 6 wheels with 4 mm figures, available with roman or gothic face, sinkable noughts, and with a choice of either special die cast or steel wheels in both faces, providing a wide variety of models within this standard range. They are available with 2 plunger heights, one for Platen work and a special low plunger for use on cylinder presses. The Prefix No. sign is interchangeable with Single, Double or Treble Prefix Letters. Forward and Backward numbering with easily exchanged wheel sets. Digit wheels have sinkable steel noughts. Director Discs for duplicate, triplicate and quadruplicate numbering and full range of Skip Wheels.

The range is designated by Model numbers as follows:—

- |               |   |
|---------------|---|
| <b>N30</b>    | <b>Cast Wheels Roman Figures</b>  |
| <b>N34</b>    | <b>Cast Wheels Gothic Figures</b>   |
| <b>N30A</b>   | <b>Cast Wheels Roman Figures low plunger for cylinder</b>                 |
| <b>N34A</b>   | <b>Cast Wheels Gothic Figures low plunger for cylinder</b>                |
| <b>N31</b>    | <b>Steel Wheels Roman Figures</b>   |
| <b>N35</b>    | <b>Steel Wheels Gothic Figures</b>  |
| <b>N31BR</b>  | <b>Steel Wheels Roman Figures lockwheel fitted</b>                        |
| <b>N35BR</b>  | <b>Steel Wheels Gothic Figures lockwheel fitted</b>                       |
| <b>N31ABR</b> | <b>Steel Wheels Roman Figures low plunger and lockwheel for cylinder</b>  |
| <b>N35ABR</b> | <b>Steel Wheels Gothic Figures low plunger and lockwheel for cylinder</b> |

## EXTRA SPACE SAVING MODELS



**Nº 876201**

3.1 mm Roman

This model occupies only  $3\frac{1}{4} \times 6\frac{1}{2}$  ems and the figures are only 3.1 mm high. Fitted with 6 steel wheels with sinkable noughts. Removable prefix on plunger. Backward or Forward Movement, Roman or Gothic Figures. Available in either platen or cylinder height plunger.

Model numbers as follows:—

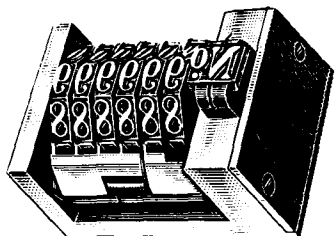
**N71 Roman Figures**

**N75 Gothic Figures**

**N71A Roman Figures low plunger for cylinder**

**N75A Gothic Figures low plunger for cylinder**

## EXTRA LARGE FIGURES



**Nº 536741**

6 mm Figures

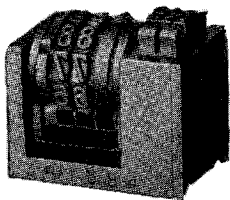
With 6 mm figures, this is the smallest numbering machine to offer figures of a size normally only possible with hand operated numerators. Overall measurements  $7 \times 10\frac{1}{2}$  ems. Steel wheels with sinkable noughts. Backward or Forward Movement. Removable prefix. This model is not available with low plunger for cylinder.

Model numbers as follows:—

**N121 Roman Figures**

**N125 Gothic Figures**

## CHECK SALES AND PAGING MODELS



**N<sub>o</sub> 100**

**N<sub>o</sub> 50**

*4 mm Figures*

These specialist machines are available in 3 models:—

- 2 wheel model for numbering 1–50 and repeat
- 3 wheel model for numbering 1–100 and repeat
- 3 wheel model for numbering 1–25 and repeat

All are available in Backward or Forward Action, Roman or Gothic face. Low plunger for cylinders. 2 wheel model measures  $4\frac{1}{4} \times 5\frac{1}{4}$  ems. 3 wheel measures  $4\frac{1}{4} \times 6\frac{1}{2}$  ems.

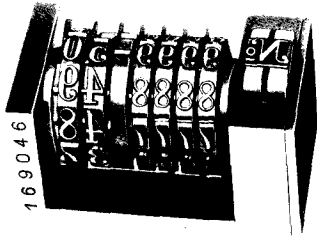
Machines are designated as follows:—

- Model N51**      **Roman Figures (1-50)**
- Model N55**      **Gothic Figures (1-50)**
- Model N51A**    **Roman Figures (1-50) (low plunger)**
- Model N55A**    **Gothic Figures (1-50) (low plunger)**
- Model N61**      **Roman Figures (1-100)**
- Model N65**      **Gothic Figures (1-100)**
- Model N61A**    **Roman Figures (1-100) (low plunger)**
- Model N65A**    **Gothic Figures (1-100) (low plunger)**

If 1-25 numbering is required Model number is as the N61/65 with 1-25 specified.

## COMBINATION NUMERATOR

№ 9999-50



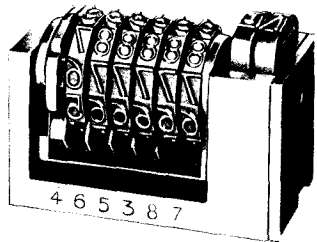
2 Figure sizes grouped

The "Combi" numbering machine is a 7-wheel machine consisting of a four figure group and a two figure group separated by a hyphen (see illustration). The four figure group gives 50 repeats of the same figure before advancing. The two figure group simultaneously prints 1-50 then re-sets to 1 for the next change in the four figure group. This machine is available in Backward or Forward Movement, but not with low plunger.

Machine designated: **Model N150-Combi**

## CRASH NUMBERING

№ 987543



Ultra-Thin Gothic Figures

This machine is specially designed for use in "crash" numbering of sets. The specially engraved thin Gothic Figures permit maximum sharp penetration to give clearly read figures through the set.

The Main Shaft is specially hardened to withstand violent pressure and all wheels have fixed noughts.

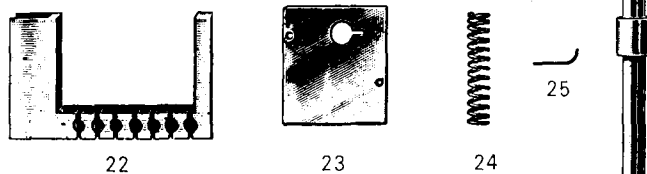
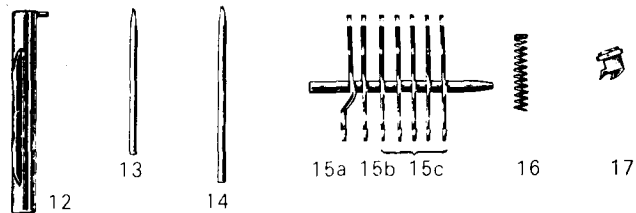
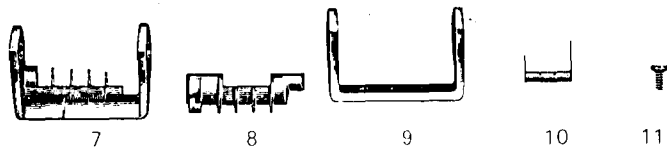
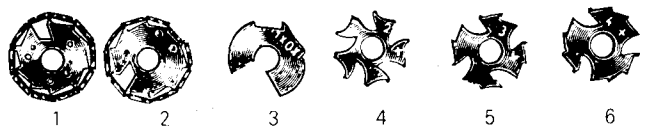
Available in 2 plunger heights and Backward or Forward Movement.

Models are designated as follows:—

**N37**      **Fine Gothic Figures**

**N37ABR**      **Fine Gothic Figures - low plunger and lockwheel**

# SPARE PARTS



All machines described in this brochure can be fitted with Prefix Letter or Figure Slides, single, double or treble, Discs for repeat, duplicate, triplicate and quadruplicate numbering and, with the exception of Models N51 and N61, Skip wheels to Skip from 2 to 10. Repeating beyond quadruplicate and skipping more than 10 can be achieved if required and details are available.

- 1 Unit wheel
- 2 Digit (Tens) wheel
- 3 Director Disc x 0 x 1
- 4 Director Disc x 2
- 5 Director Disc x 3
- 6 Director Disc x 4
- 7 Actuating pawl assembly (Crank with frontal cramp)
- 8 Frontal cramp
- 9 Crank
- 10 Frontal cramp spring
- 11 Cover plate screw
- 12 Main shaft
- 13 Frontal cramp shaft
- 14 Block shaft for rear cramp
- 15a Pawl for director discs
- 15b Pawl for unit wheel
- 15c Pawl for digit wheels
- 16 Pawl spring
- 17 Sinkable nought
- 18 Plunger
- 19 No. prefix slide - Gothic
- 20 No. prefix slide - Roman
- 21 Prefix letter slides (all letters of alphabet) in Roman or Gothic face
- 22 Main frame
- 23 End cover plate
- 24 Plunger spring
- 25 Prefix letter retaining spring
- 26 Auxiliary shaft



# CARE & MAINTENANCE

Leibinger Numbering Machines are precision instruments and must be treated accordingly. Correct cleaning and lubrication is vital to the life and performance of the mechanisms at high speed.

**CLEANING:** Immediately after use the mechanism should be cleaned with CAXTONIA NUMBERING MACHINE SOLVENT and a soft bristle Pick Brush. Setting all the wheels at zero, turn them over one figure at a time carefully brushing each row of numbers as they are turned up. The solvent will evaporate in about 30 seconds without trace. If blowing equipment is available a good "blowing-out" with compressed air is recommended at this final stage. Incorrect attention to this matter will permit a build-up of hardened printing ink on delicate moving parts of the mechanism, which will lead to premature wear and faulty operation.

**LUBRICATION:** After cleaning the mechanism the machine should be allowed to thoroughly "dry-out" before lubrication. Now dip a piece of stiff bond paper in MICROTOME NUMBERING MACHINE OIL and slide the end of the paper down between the wheels, moving the oily paper to and fro so that the main shaft upon which the wheels rotate will be well lubricated. Move the wheels round so as to distribute the oil. Using the same method lubricate the sides of the plunger. It is imperative that the correct oil is used for lubrication. Oil of unsuitable character and consistency can cause trouble by thickening and restricting the action of the machine.

The cleaning and lubricating operation completed, store the machine away in its dustproof box. Thus treated, when next the machine is required it will be in condition and ready for the exact task of numbering.

CAXTONIA NUMBERING MACHINE SOLVENT IN 5 LITRE CONTAINERS  
MICROTOME NUMBERING MACHINE OIL IN 1 oz. BOTTLES

# CHANGING WHEELS

## Exchanging of Wheel Sets

For this purpose it is not necessary to use a pawl arresting clip to retain the frontal cramp in position. When the wheels are removed the cramp rests against a tiny pin on the crank and also against the director disc, which does not need to be taken out during the operation.

The following simple routine is then adopted:

1. Turn the wheels in the machine so that all the figure 5s are uppermost and the noughts therefore drop out of the groove in the main shaft, thereby facilitating easy removal of the main shaft and avoiding any possible damage to the 'tails' of the noughts.
2. Using the auxiliary shaft supplied with each machine, push out the main shaft and then withdraw the auxiliary shaft carefully as far as the director disc, taking out the wheels as they are freed.
3. From the new set of wheels take the unit wheel (i.e. with solid fixed nought) and place this in position with the rear pawl and frontal cramp resting against the cogs on the side of the wheel and then push the auxiliary shaft through this wheel to hold it in position.
4. Position the other 5 wheels in turn in the same way, ensuring that these are placed with the figure 5s uppermost and that the 'tails' of the noughts are clear of the hole through which the shaft passes.
5. Having positioned all the wheels and with the auxiliary shaft pushed as far as it will go, take the main shaft, insert it at the plunger end and push the auxiliary shaft firmly out.

## Exchanging Director Disc or substituting Skip Wheel for Unit Wheel

The wheels in the machine should be positioned as described in (1) above. It is only necessary to then push out the main shaft and then withdraw the auxiliary shaft far enough to release either the director disc or unit wheel as required and to replace with the new part.

It is essential that the markings on the director disc (X2, X3 etc.) should face outwards towards the side of the machine and not inwards towards the wheels when the disc is placed in position.