

# COMMERCIAL ENGRAVING AND PRINTING

*A Manual of Practical Instruction and Reference Covering*

Commercial Illustrating and  
Printing by all Processes

FOR

Advertising Managers, Printers, Engravers, Lithographers,  
Paper Men, Photographers, Commercial Artists,  
Salesmen, Instructors, Students and all  
Others Interested in These  
and Allied Trades

*By*

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Extracts Concerning the  
Thompson Typecaster

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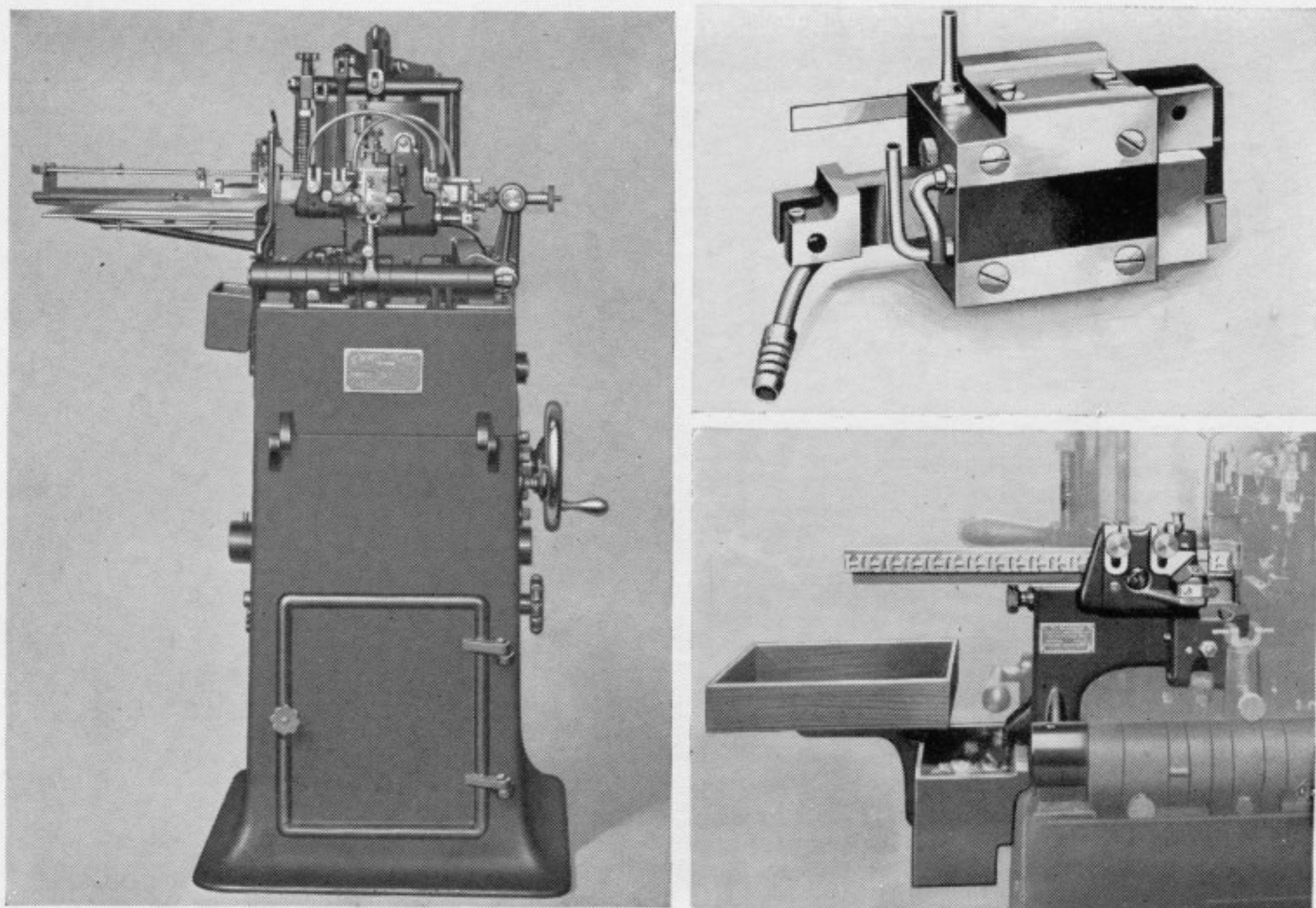
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Square halftone, 133 line, no line. Made from retouched photographs. The separate halftone negatives were stripped together and the white lines between the views were cut in the plate.

Fig. 1043B. The Thompson type, lead and rule caster.

[I've blanked out a paragraph here which had to do with the Ludlow Typograph, not the Thompson, so as not to confuse this extract.]

#### THE THOMPSON TYPE, LEAD AND RULE CASTER

A machine for casting type 5 to 48 point, quads, spaces, borders and leads, slugs and rules cut to any desired length automatically, is shown at the left in Fig. 1043B. This machine is adapted for use in printing offices of all sizes and particularly where non-distribution systems are used. The different sizes are obtained by changing mould body pieces to the size required and a matrix of the character to be cast is then placed in the matrix holder and the holder attached to the machine. The changes are made in about one minute. With each revolution of the machine the pump plunger forces hot metal into the mould where it hardens almost instantly by the use of a water cooling device; the mould body then moves forward, pushing the type out through receiving blocks where it is trimmed and the jet removed, as shown in lower right of group. Eight to one hundred and fifty casts per minute may be had, the smaller sizes being cast more rapidly than the larger ones. A separate mould is used for casting leads, slugs, and rules as shown in upper right of group. They are not cast in the mould itself, but in a body piece inserted in the mould.