

Linotype Manual: Illustrated Classic Manuals

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LINOTYPE MANUAL

GIVING DETAILED INSTRUCTIONS OF
THE PROPER ADJUSTMENT
AND CARE OF THE
LINOTYPE
WITH ILLUSTRATIONS

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INTRODUCTION.

The object in view in compiling this book is to show by means of cuts and detail drawings the different adjustments and how to make same.

The automatics and how to set them.

The best method of placing machines in an office, with the necessary belting, shafting, etc.

Erecting machine, and other useful information in regard to care of same.

How to keep metal in good condition to obtain best results, and other instructions that will tend to the successful operation of the Linotype.

Best Methods of Placing Machine.

The machine complete and ready for operation weighs 1,925 pounds. In operation there is no vibration, and the machine may be safely placed in any building of ordinary strength.

MODE OF ERECTING MACHINES—NO. 1

Machine stands on Platform built on Main Floor. Driving Shaft, Pulleys and Gas Pipes under the Platform and above Floor.

Fig. 1.

MODE OF ERECTING MACHINES—NO. 2

Machines and Driving Shaft on Main Floor. Intermediate Platform over Shaft. Good plan, but inferior to No. 1.

Fig. 2.

MODE OF ERECTING MACHINES—No. 3

Modification of Plan No. 2. Machines and Driving Shaft on Main Floor. Intermediate Platform over Shaft. Good Plan, but inferior to No. 1.

Fig. 3.

Each machine requires somewhat less than one-quarter of a horsepower to drive it, but the allowance of one-half horsepower is recommended to insure steadiness of motion.

Each machine, including overhanging projections, is a little less than five feet square.

In placing machines allowance must be made for space sufficient to pass around and between them, and for seat of operator in front. A liberal allowance is 7x10 feet.

The driving pulley of the machine is 14½ inches in diameter and should be driven at about 62 revolutions per minute. Never to exceed 66. Any arrangement of shafting and pulleys which will

secure this speed will answer.

Linotype Motor.

The Linotype Company has recently had a specially designed electric motor built which is adapted for speedy application to Linotype machines. These motors are cheap, compact, reliable and pleasing in appearance. Their application demands no change in the machine except to remove the driving pulley and substitute a gear wheel furnished with the motor.

The only connection required is the extension of a wire to an ordinary incandescent lamp socket or other suitable source of electric power. The use of these motors avoid the necessity for countershafts, pulleys and belts, and greatly improve the appearance of the office.

Motors wound for 115, 230 and 500 volts are carried in stock. The price, with all attachments, applicable to any machine, is \$65.

The Machine as It Comes from the Factory and How to Erect It.

In shipping the machine the base and heavy parts, such as column, metal pot, cams, vise, etc., are assembled. The base being bolted with lag screws to three skids and boxed up, with the distributor bracket and step cleated in the top.

A second box, 20x24x18 inches, contains the key-board and reeds, intermediate bracket, channel-plate support, and all the small parts, such as vise-locking screws, flexible front, pi box and tube, second elevator, distributor box, keyboard rod guide assembled, all carriages, etc.

A third box, 44x26x16 inches, contains face plate assembled, magazine, set of matrices, two small boxes, one containing large and small assembler glasses, the other the magazine entrance.

A fourth box, 46x9x12 inches, contains distributor assembled and first elevator.

Take boards from base and roll it to its permanent position and remove skids, then cut the wires that bind levers C and J (Fig. 4). Then turn clutch A to the right until second elevator lever J (Fig. 4) is in the position shown in Fig. 5 and put on the distributor bracket A (Fig. 5). Then, in the order given, put on intermediate bracket D, upper rod guide F, channel plate support E, second elevator C (Fig. 5), and vise-locking screws 2 and 3 (Fig. 4).

Fig. 4.

Fig. 5.

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