

(No Model.)

2 Sheets—Sheet 1.

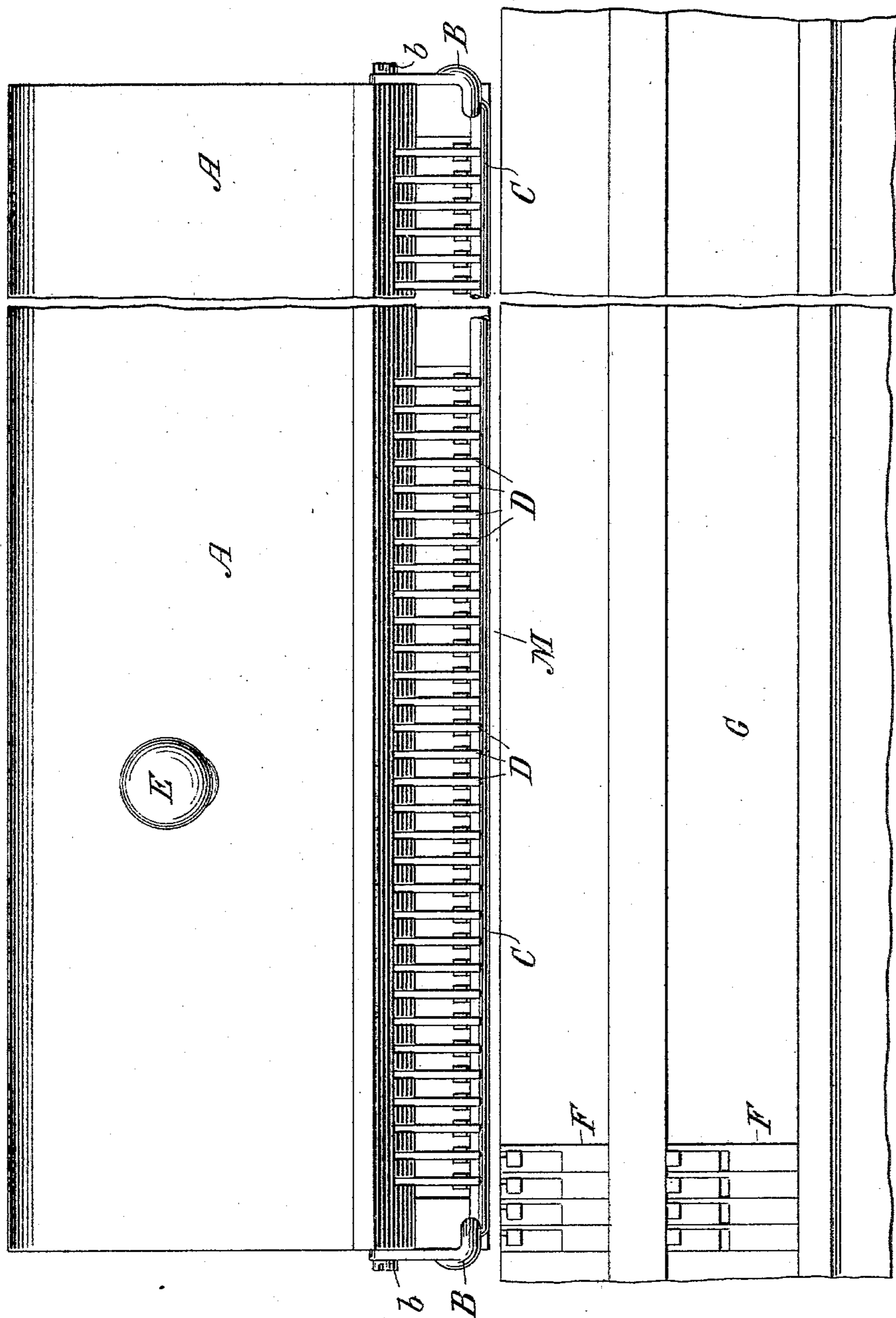
R. J. MOXLEY.

DEVICE FOR LIFTING FEELER HOOKS OF TYPE DISTRIBUTING MACHINES.

No. 597,544.

Patented Jan. 18, 1898.

Fig. 1.



WITNESSES:

C. E. Ashley
H. W. Lloyd

INVENTOR:

Richard J. Moxley
By his Attorney
Willard Parker Butler

(No Model.)

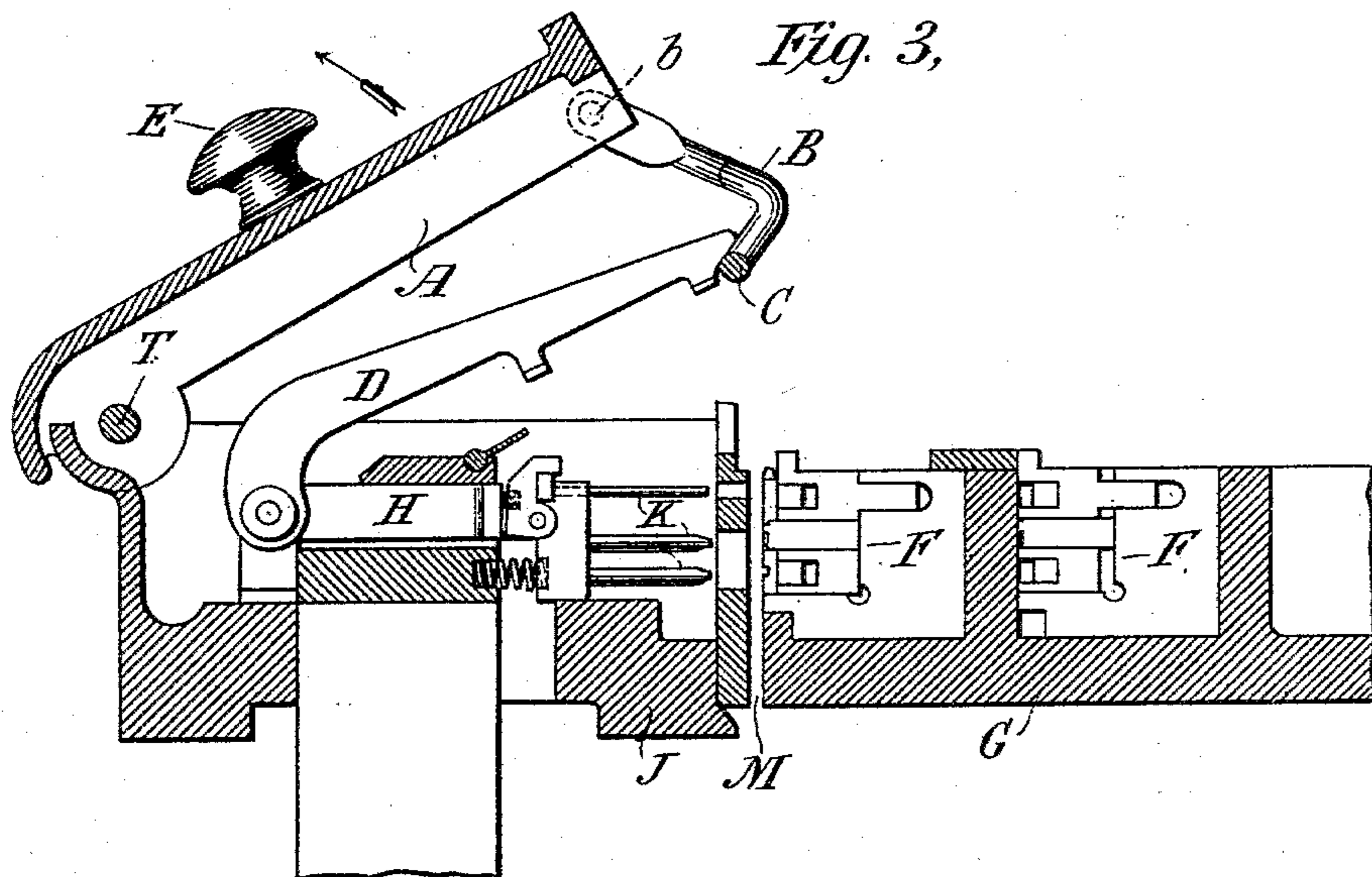
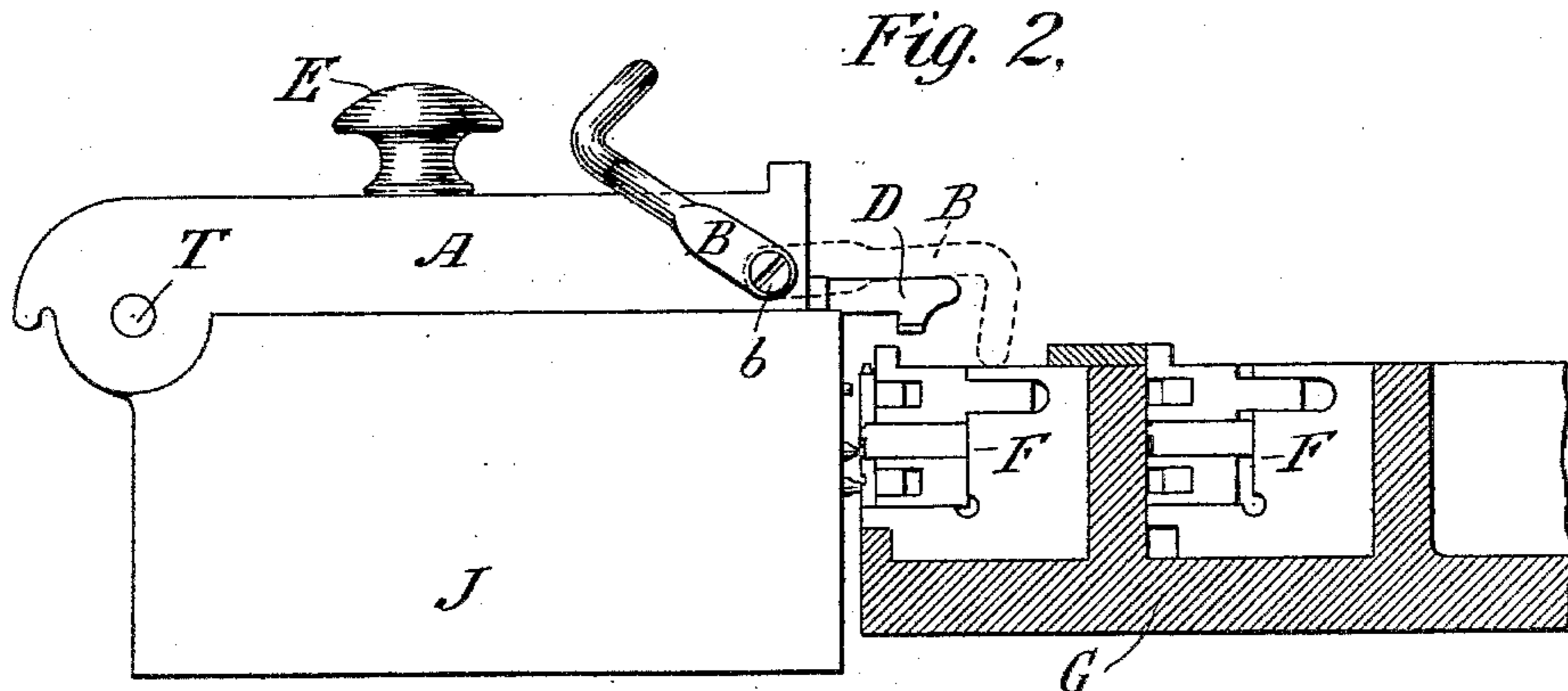
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UNITED STATES PATENT OFFICE.

RICHARD J. MOXLEY, OF NEW YORK, N. Y., ASSIGNOR TO THE EMPIRE
TYPE SETTING MACHINE COMPANY, OF SAME PLACE.

DEVICE FOR LIFTING FEELER-HOOKS OF TYPE-DISTRIBUTING MACHINES.

SPECIFICATION forming part of Letters Patent No. 597,544, dated January 18, 1898.

Application filed October 15, 1895. Renewed December 16, 1897. Serial No. 662,208. (No model.)

To all whom it may concern:

Be it known that I, RICHARD J. MOXLEY, a citizen of the United States of America, and a resident of the city, county, and State of New York, have invented a new and useful Improvement in Devices for Lifting the Feeler-Hooks of Type-Distributing Machines, of which the following is a specification.

My invention relates to an improvement in type-distributing machines of the general character of that shown in the patent to C. W. Dickinson, No. 174,900, and others of like character, which class of machines employ feelers to select the types from the so-called "carriers" traveling longitudinally across the ends of the feelers and distribute the same after selection. These feelers correspond in number to the different kinds of type, and operate through so-called "feeler-hooks" situated at the top of the selecting mechanism, and are hinged at one end, which hinge is so constructed as to enable the hook to be readily thrown back from the selecting mechanism when it is desired to open the machine. A hinged cover usually fits over the top of the line of feeler-hooks for protecting the mechanism from dust and dirt, and my invention relates to a device for raising all the feeler-hooks simultaneously when the cover is opened for the purpose of obtaining access to the machine.

The invention consists of a lifting-rod attached to the cover of the machine at either end, so that at the will of the operator all of the feeler-hooks may be raised when the cover is lifted or the entire line left in its normal position, according to the position of the lifting-rod. In practice it frequently becomes necessary to get at the inner part of the selecting mechanism, covered over by the feeler-hooks, very quickly. Often different parts of this mechanism become clogged from imperfect types, or some other slight irregularity causes the machine to stop. The operator then has to raise the cover and throw back each feeler-hook separately in order to remove the obstruction, an operation entailing great loss of time.

My invention will be best understood by reference to the accompanying two sheets of

drawings, which are hereby made part of this specification, and in which—

Figure 1 is a plan view of the type-distributing machine, showing the cover closed and the lifting-rod in working position engaging with the ends of the feeler-hooks. Fig. 2 is a side view of the upper part of a type-distributing machine, showing the cover lowered and the lifting-rod thrown back, its position when not in use. The dotted lines show the rods in position when it is desired to raise the feeler-hooks. Fig. 3 is a similar view showing the cover raised and the feeler-hooks lifted by the rod.

Similar letters refer to similar parts throughout.

In the views, A is the cover of the feeler-hooks. T is the hinge on which it is opened; G, the bed in which the type-carriers F F travel, presenting the types to the action of the feelers.

H H are the frames of the selecting mechanism, carrying the nicked selecting-pins or feelers K K and the feeler-hooks D D.

J is the bed in which the feelers reciprocate.

M is the channel through which the type fall after being extracted from the type-carriers by the action of the feeler-hooks.

C is a rod which extends the entire length of the cover and is provided with arms B B, attached at right angles to each end thereof. These arms B B are hook-shaped, as shown in Figs. 2 and 3, and are flattened at the ends opposite the rod to permit of free play on the ends of the cover. The rod can be of one piece, if desired, or if the cover is made in sections a separate rod can be used in each section.

E is a knob or handle whereby the cover is raised. The ends B B of the rod C are attached to the cover by the screws b, as shown, or in any other convenient manner.

The operation of the lifting-rod is as follows: Whenever it is desired to lift the line of feeler-hooks, the rod C is thrown forward on the cover A to the position shown by the dotted lines in Fig. 3. The operator then lifts the cover A by the knob or handle E on its hinge T in the direction of the arrow

shown in Fig. 3. The rod C, swinging loosely with its arms B B on the pivot or screws *b b* as the cover is raised, is drawn backward from right to left until it is stopped by the projecting ends of the feeler-hooks D D, with which it thereupon engages, and as the cover is opened farther on its hinge it rises therewith and lifts with it all the feeler-hooks as far as desired in the manner shown in Fig. 3 and holds them firmly in a substantially vertical position when the cover is thrown back as far as it will go. To release the feelers, the rod C has simply to be thrown back to the position shown in Fig. 2, when all the feelers fall to their original position.

The rod can be constructed in various forms or of various materials, provided it accomplishes the desired result.

When the lifting-rod C is not needed to raise the feelers, it is thrown back on the cover into the position shown by the shaded lines in Fig. 2. When the cover is lifted with

the rod in this position, it will be apparent that it will not in any way affect the feeler-hooks, which can then be raised independently by the finger as may be desired.

I claim as my invention—

In a type-setting machine, in combination with feeler-hooks D D and the hinged cover A, of a lifting-rod C, hinged loosely to the cover A and extending along its entire front, so constructed as to swing easily over the ends of the feelers and lift the same whenever the cover is raised on its hinges, or to be thrown back upon the cover at the will of the operator.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 5th day of October, 1895.

RICHARD J. MOXLEY.

Witnesses:

C. G. FOWLER,
JOHN FRENCH.