

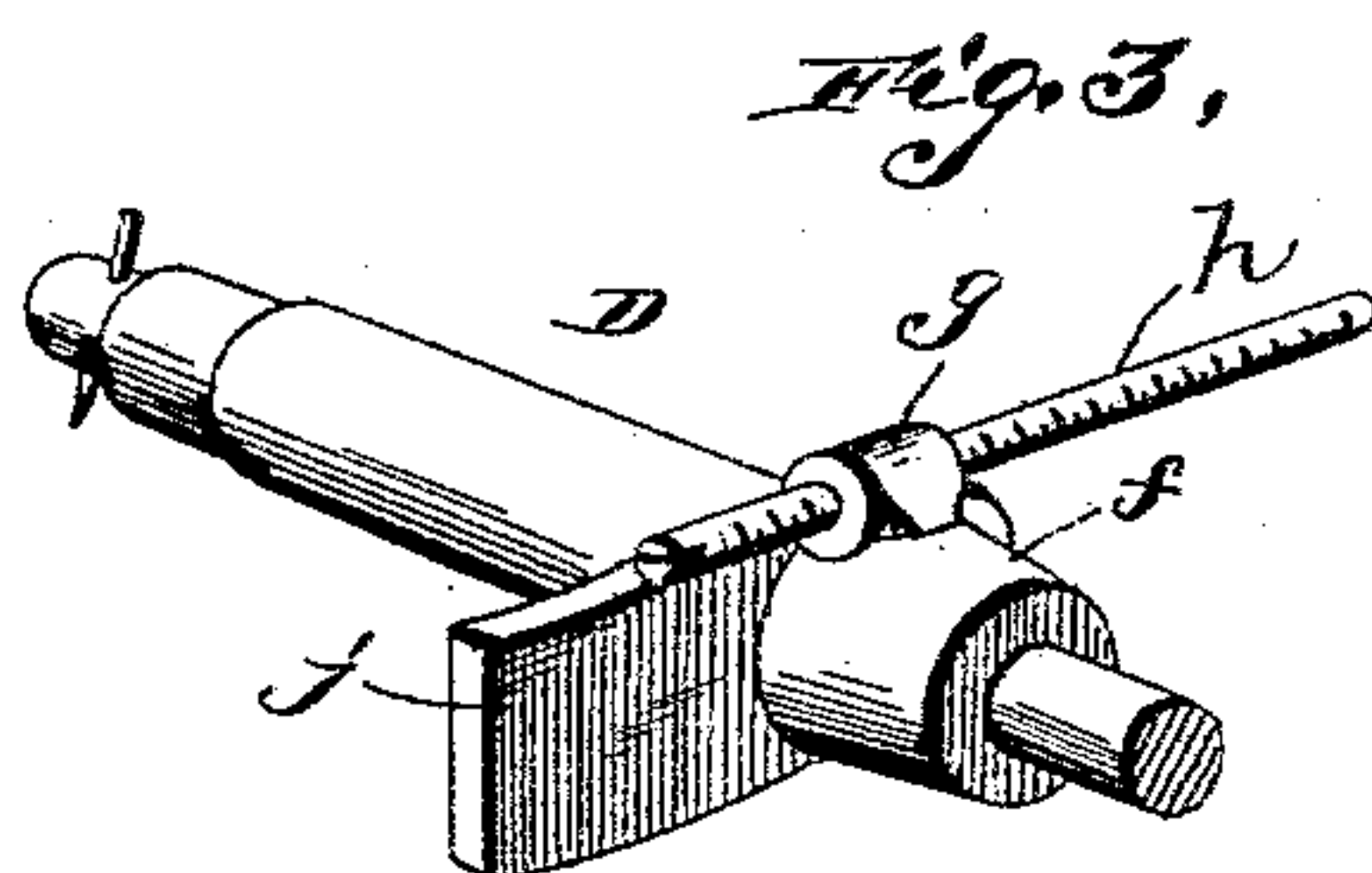
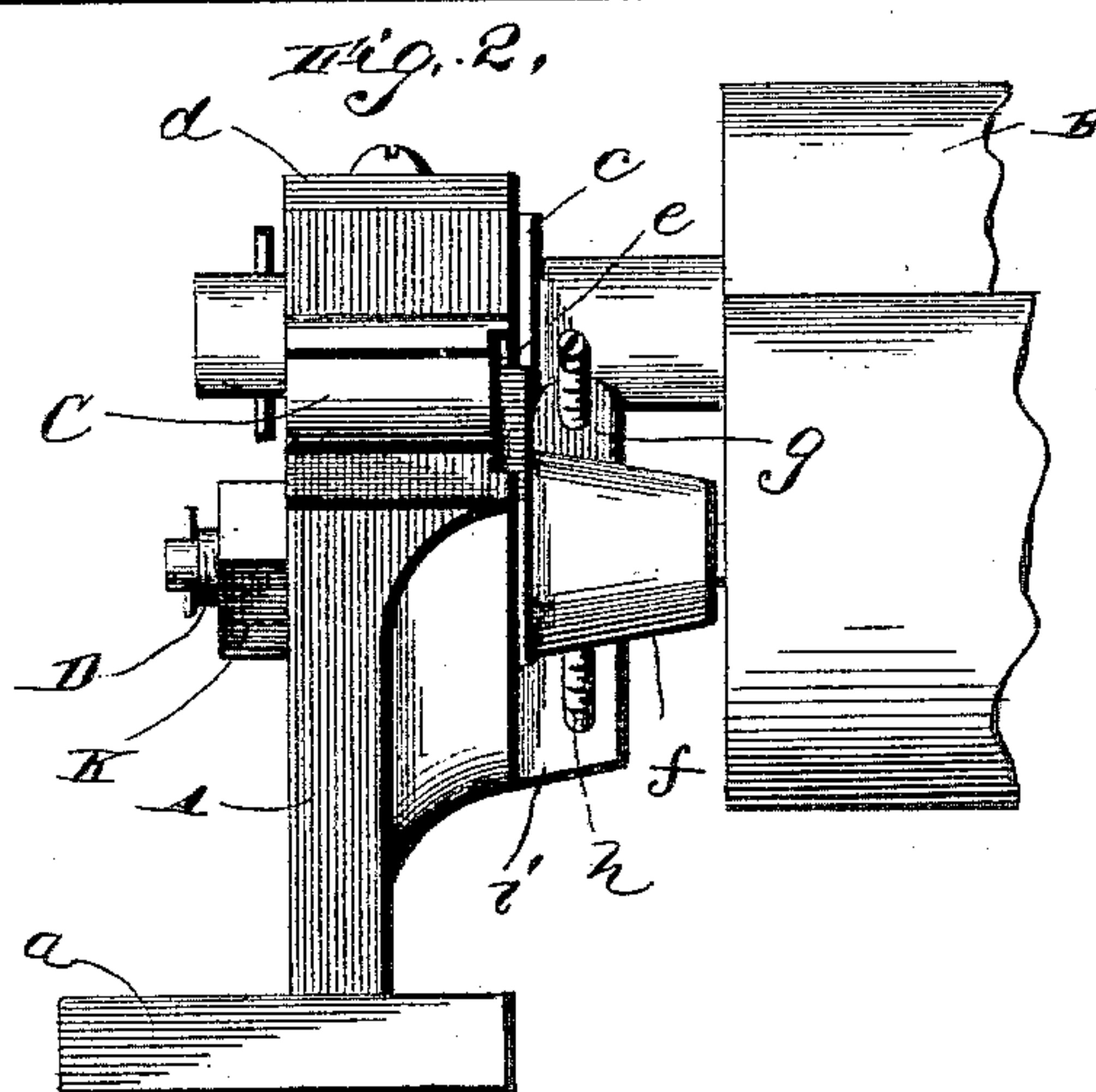
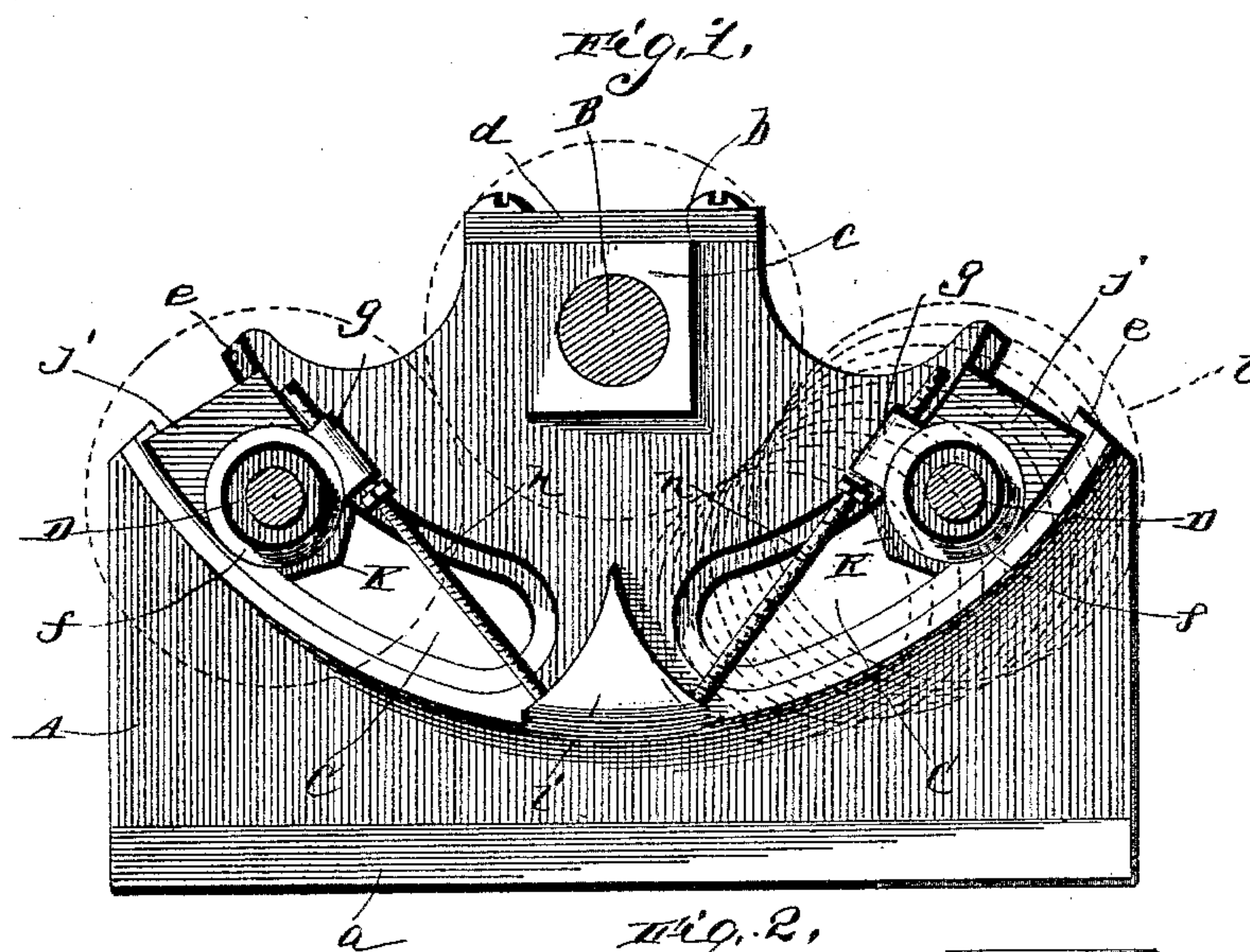
(No Model.)

J. HACKETT.

INK DISTRIBUTING DEVICE FOR PRINTING MACHINES.

No. 378,441.

Patented Feb. 28, 1888.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES HACKETT, OF TAUNTON, MASSACHUSETTS.

INK-DISTRIBUTING DEVICE FOR PRINTING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 378,441, dated February 28, 1888.

Application filed August 16, 1887. Serial No. 247,089. (No model.)

To all whom it may concern:

Be it known that I, JAMES HACKETT, a citizen of the United States, residing at Taunton, in the county of Bristol and State of Massachusetts, have invented a new and useful Improvement in Ink-Distributing Devices for Printing-Machines, of which the following is a specification.

This invention has reference to ink-distributing devices for printing-presses; and it consists in the improvement hereinafter described and explained, whereby a simple and efficient construction is provided, and one in which provision is made for compensating for the wear of the rolls.

In the accompanying drawings, forming part of the specification, Figure 1 represents a side elevation of so much of an ink-distributing device as is necessary to show my invention. Fig. 2 is an end view of said distributing device. Fig. 3 is a detail view.

A designates the frame or casting of the distributor, which is provided at its base with a bearing-plate, *a*, and is recessed in its upper portion to form a bearing, *b*, adapted to receive the journal-box *c* of the main or central roll, B, of the distributor. A horizontal tie-plate, *d*, serves to maintain the box *c* in its journal within the recess. The frame or casting A is provided at each side with a curved slot, C, which, as seen in Fig. 1, is arranged eccentrically with the axis of the roll B, and each of said slots C is open at its outer end. The lower end of each slot C is near the surface of the roll at its upper end. The face of the frame or casting A adjacent to each slot C is cut away to present a depressed portion, *e*, along the side of each slot.

D refers to the journal-bearing of one of the smaller rolls of the distributor, which bearing passes through or bears in the slot C, and projects or extends beyond the inner side of the frame or casting A, where it rigidly carries a casting, *f*, having a lug, *g*, threaded for the passage of an extended bolt, *h*, the inner end of which bears against one side of a triangular lug, *i*, formed integrally on the outer side of the frame A. The outer end of each extended bolt *h* is slotted or key-ended to provide for its convenient rotation in the lug *g*. The portion *j* of the casting *f* has its upper and lower

edges concentrically curved, as shown in Fig. 3, to adapt it to rest and be guided in the marginal portion *e* of each slot.

As seen in Fig. 1, the rolls carried by the shafts within the bearings D are in contact with the central roll, B, and upon rotation effect the even distribution of the ink on said central roll. The journal-bearings D of the side rolls are rigidly secured at the desired point in the slots C by means of jam-nuts K, which engage the inner portion of each bearing and act in connection with the portions *j* of the castings *f*. Now, as the side rolls become worn, and consequently of decreased circumference, the jam-nuts K are loosened to a slight extent, and the bolts *h* are rotated to cause the castings *f* to advance in the slots C, and thereby bring the side rolls into proper contact with the central roll. After such adjustment the journal-bearings of the side rolls are again rigidly secured in the slots by means of the jam-nuts K.

It will be readily seen that the construction of the improvement is such that it may be readily operated and adjusted, and the side rolls can be used for an unusual length of time. This will be readily understood by the dotted lines *ll*, (shown in Fig. 1,) which illustrate the several positions occupied by one of the side rolls during its successive adjustments toward the central roll, B.

Having thus described my invention, I claim—

1. The combination, in an ink-distributing device for printing-presses, of the frame having the bearing for the roll B, and a curved slot, C, arranged eccentrically with said bearing, a roll, B, mounted in the latter, the second roll having its journal mounted in a casting, *f*, in the slot C, and a jam-nut, substantially as set forth.

2. The combination, in an ink-distributing device for printing-presses, of a frame having the bearing, and the curved slot C, arranged eccentrically therewith, and having marginal recesses, as described, a roll, B, mounted in said bearing, a casting, *f*, having the portion *j* located in the marginal portion of the slot, and a second roll having its journal or shaft bearing in said casting, substantially as set forth.

3. The combination, in an ink-distributing

device for printing-presses, of the frame or
casting having the bearing for the roll B, and
slots C, arranged eccentrically with said bear-
ing, lug *i*, located on said casting, bearings *f*,
5 mounted in the slots C, screw-bolts *h*, passing
through said bearings *f* and engaging said
lug, and rolls mounted in said bearings *f*, and
having the journals D, provided with jam-
nuts K, for the purpose set forth, substantially
10 as described.

In testimony that I claim the foregoing as my
own I have hereto affixed my signature in
presence of two witnesses.

JAMES HACKETT.

Witnesses:

JOHN C. REYNOLDS,
THOMAS O. FALVEY.