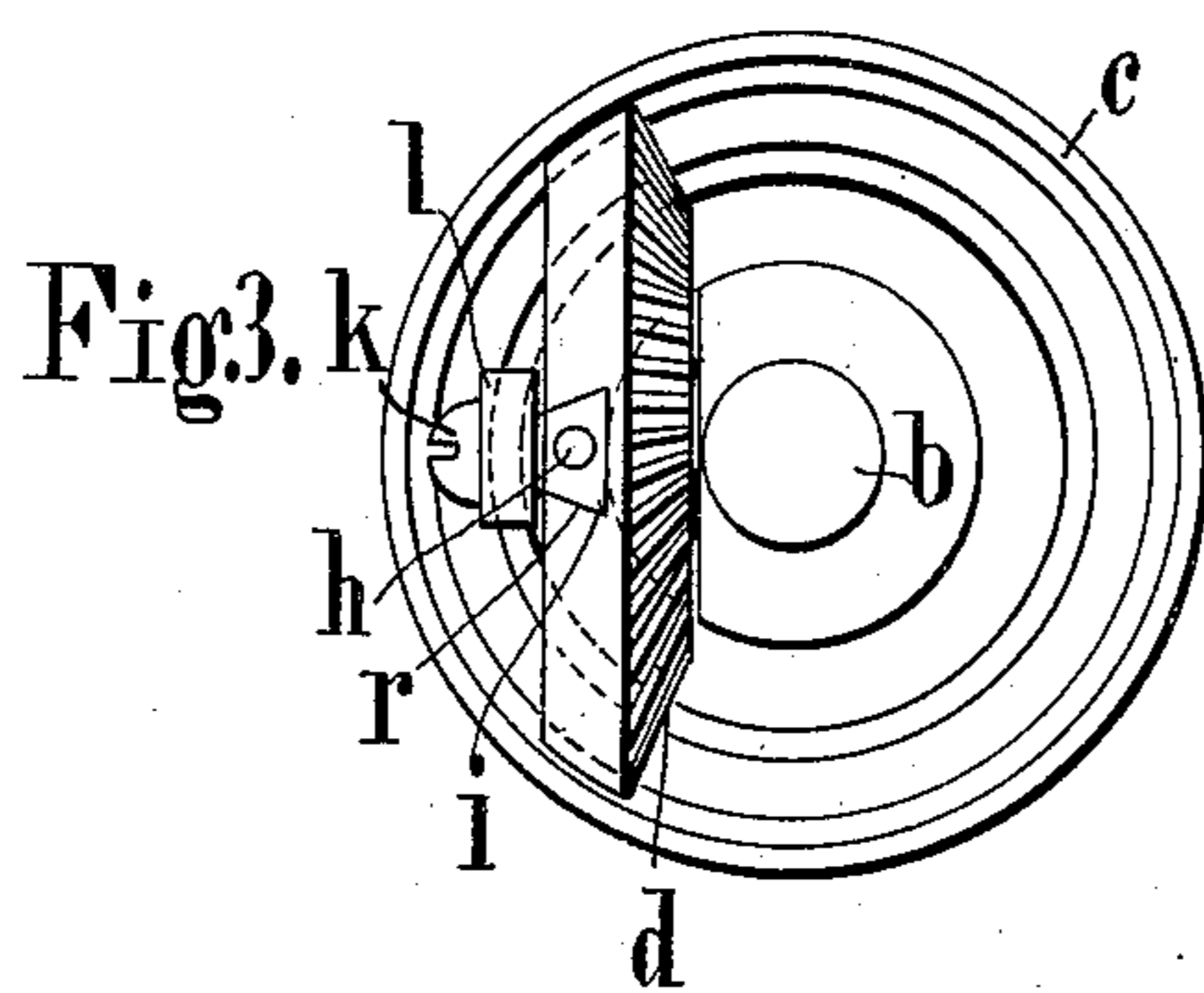
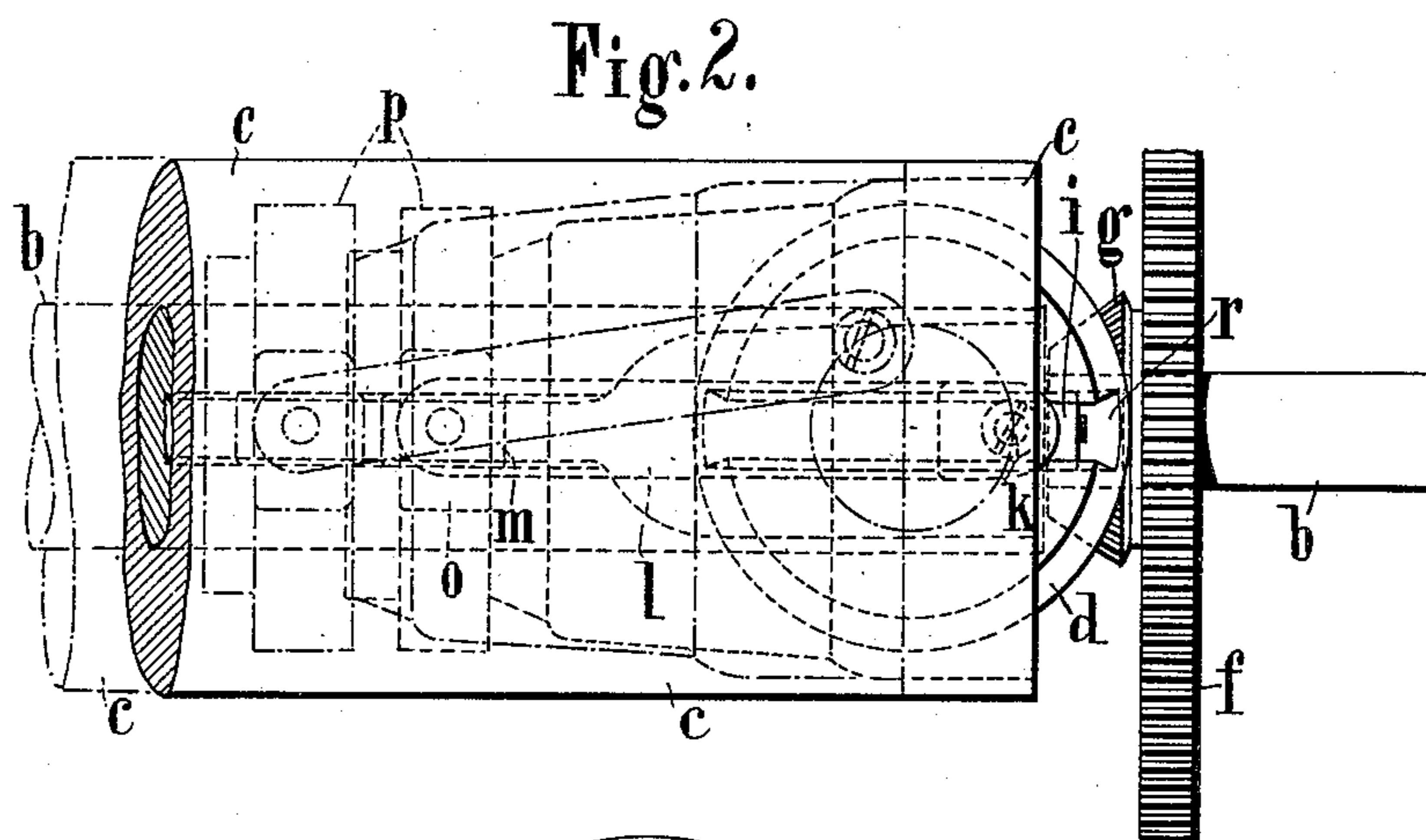
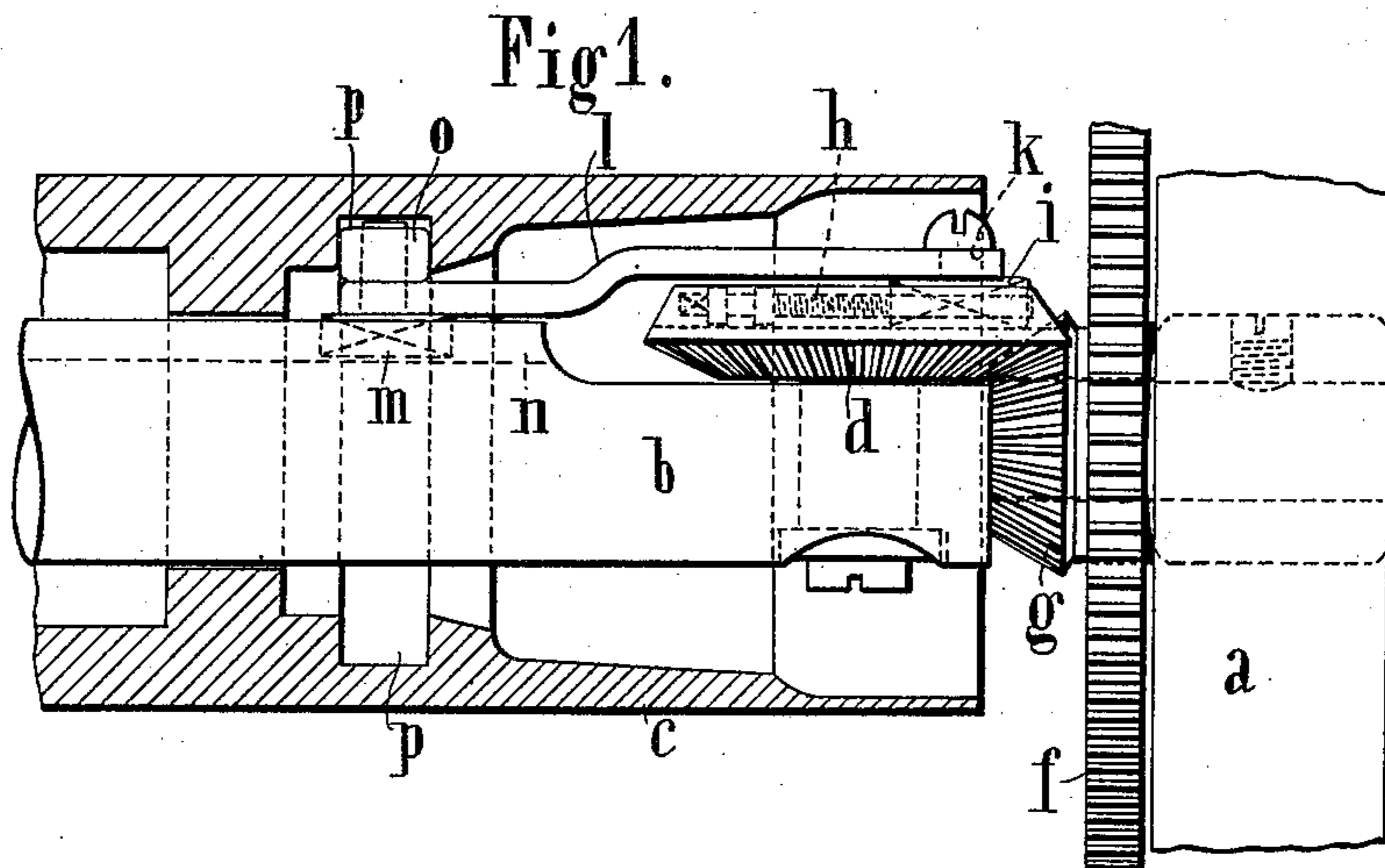


No. 897,152.

PATENTED AUG. 25, 1908.

M. ROCKSTROH.
ATTACHMENT FOR PRINTING PRESSES.

APPLICATION FILED NOV. 14, 1906.



Witnesses.

Robert E. Smith,

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ATTACHMENT FOR PRINTING-PRESSES.

No. 897,152.

Specification of Letters Patent.

Patented Aug. 25, 1908.

Application filed November 14, 1906. Serial No. 343,431.

To all whom it may concern:

Be it known that I, MAX ROCKSTROH, director, subject of the Kingdom of Saxony, residing at Klein-Sedlitz, Saxony, Germany, have invented certain new and useful Improvements in Attachments for Printing-Presses, of which the following is a specification.

This invention relates to printing presses and more especially to apparatus in connection therewith for the purpose of regulating the lateral movements of the ink distributing cylinders and thus effecting a more uniform distribution of the ink; this being effected mainly by arranging upon the shaft of the ink-distributing cylinder a bevel-wheel whose plane faces are parallel with the axis of this cylinder, and which, by means of a suitable adjustable device, imparts a reciprocatory movement to the ink distributing cylinder.

The accompanying drawings illustrate two alternative constructions of apparatus in accordance with this invention; Figure 1 being a side elevation, partially in section of an ink distributing cylinder which is rotated by the friction of the duct rollers while Figs. 2 and 3 are respectively a top plan and a front view of the same.

Upon the shaft *b* which is rigidly mounted in the frame *a*, there is rotatably mounted the ink distributing cylinder *c* which is adapted to be rotated in the usual manner by means of the duct and friction rollers bearing against it, and to be moved in the direction of its length by means of adjustable mechanism consisting of a bevel wheel *d*, rotatably mounted upon the stationary shaft *b*, preferably within the hollow ink distributing cylinder and with its plane faces parallel with the axis thereof, and of a second bevel wheel *g* which gears with the bevel wheel *d* and is actuated by the spur wheel *f*. The upper face of the bevel wheel *d* has formed within it a dovetailed groove *r* wherein there is arranged a slide *i* which by means of a screw spindle *h* can be adjusted to any desired distance from the center of the wheel *d*. One end of a connecting rod *l* engages a crank-pin *k* arranged on the upper side of the slide *i* while the other end of the connecting rod is pivoted to a slide *m*, adapted to move in a groove *n* in the shaft *b*. This end of the con-

necting rod carries on its upper side an adjustable block *o* which slides in an annular groove *p* of the ink distributing cylinder *c* and carries it along in the axial direction without preventing its rotation.

The apparatus above described operates as follows:—When the press is at work the inking cylinder *c* is rotated by means of the duct and friction rollers bearing against it. The spur-wheel *f* is likewise put in motion and rotates the bevel wheels *g* and *d* which are in engagement with each other. By means of the pin *k* which participates in the rotation of the wheel *d* there is imparted to the connecting rod *l* a reciprocatory movement, which by means of the block *o* sliding in the groove *p* is transmitted to the inking cylinder *c*, as shown by dotted lines in Fig. 2. By rotating the screw-spindle *h* the slide *i* together with the pin *k* attached thereto can be adjusted to any desired distance from the center of the wheel *d* and by this means the amount of movement imparted to the connecting rod and the longitudinal displacement of the inking cylinder can be accurately regulated. When the slide *i* and the pin *k* are exactly in the middle of the bevel wheel *d* the device above described is rendered inoperative and the inking cylinder executes a rotary movement only.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I claim is:—

1. An attachment for printing presses comprising the combination with a fixed shaft and a rotatable cylinder mounted thereon, said shaft provided with a groove, of a rotatable member mounted upon a vertical axis journaled in said shaft, a crank pin carried by said member, a slide mounted in said groove, a block engaging with said cylinder, a rod connected with the crank pin, and means for connecting the block and slide to said rod whereby on the rotation of said member a longitudinally reciprocatory movement will be imparted to said cylinder.

2. An attachment for printing presses comprising the combination with a fixed shaft and a rotatable cylinder mounted thereon, said shaft provided with a groove, of a rotatable member mounted upon a vertical axis journaled in said shaft, an adjust-

able crank pin carried by said member, a
slide mounted in said groove, a block engag-
ing with said cylinder, a rod connected with
the crank pin, and means for connecting the
5 block and slide to said rod whereby on the
rotation of said member a longitudinally
reciprocatory movement will be imparted to
said cylinder.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit- 10
nesses.

MAX ROCKSTROH.

Witnesses:

ULYSSES J. BYWATER,
PAUL ARRAS.