

No. 624,016.

Patented May 2, 1899.

W. R. HALL.

INK WELL AND DEVICE FOR OPENING OR CLOSING SAME.

(Application filed Jan. 27, 1898.)

(No Model.)

2 Sheets—Sheet 1.

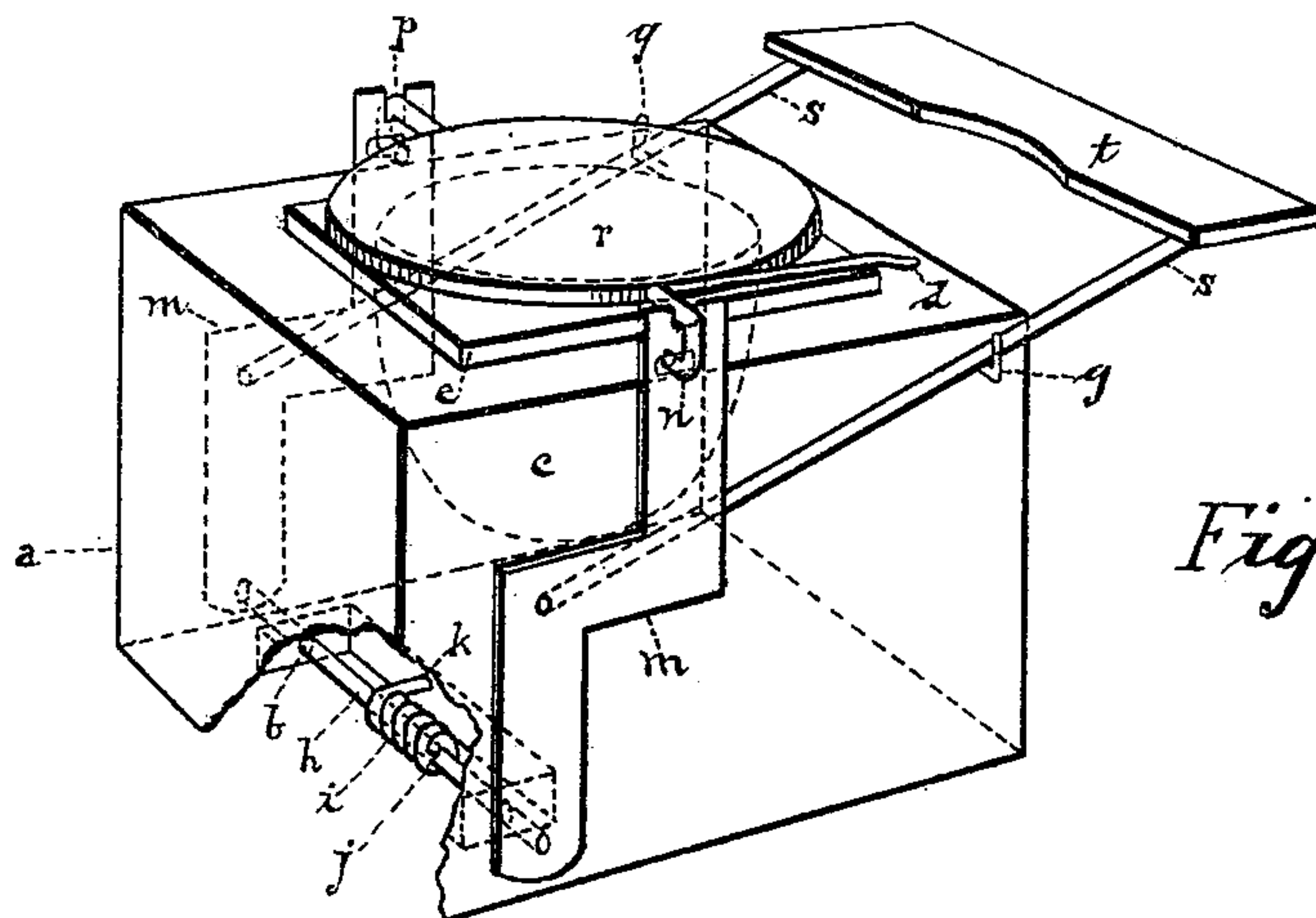


Fig. 1.

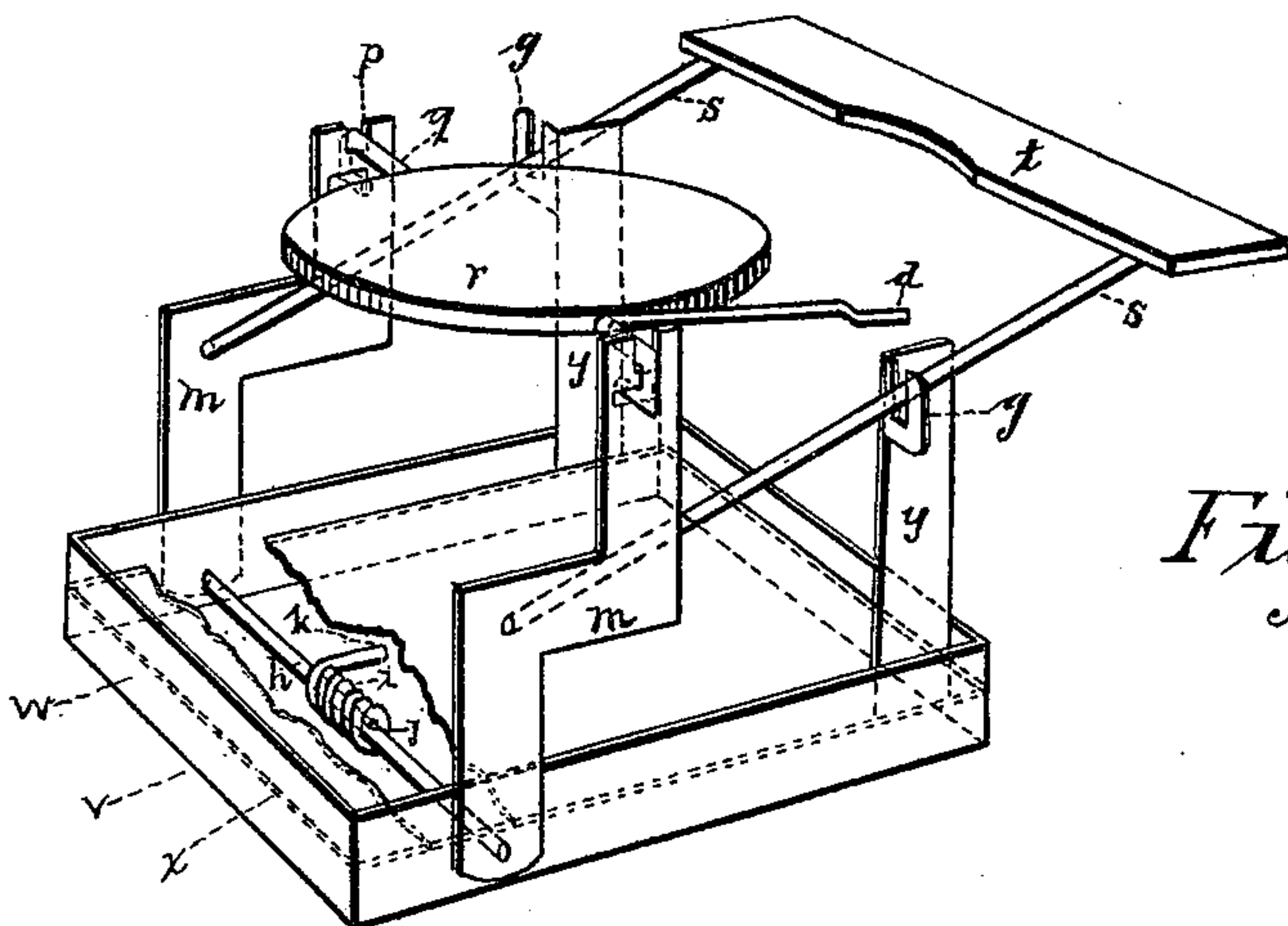


Fig. 2.

WITNESSES:

Caution Barber.
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INVENTOR

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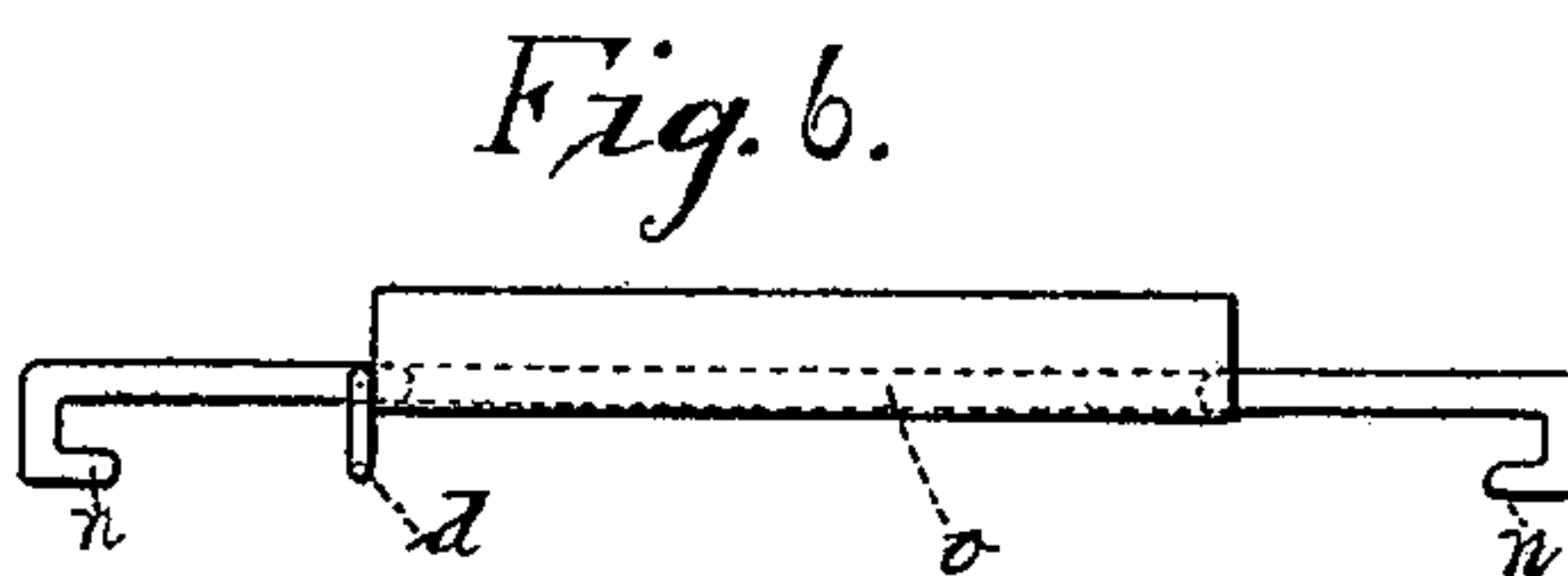
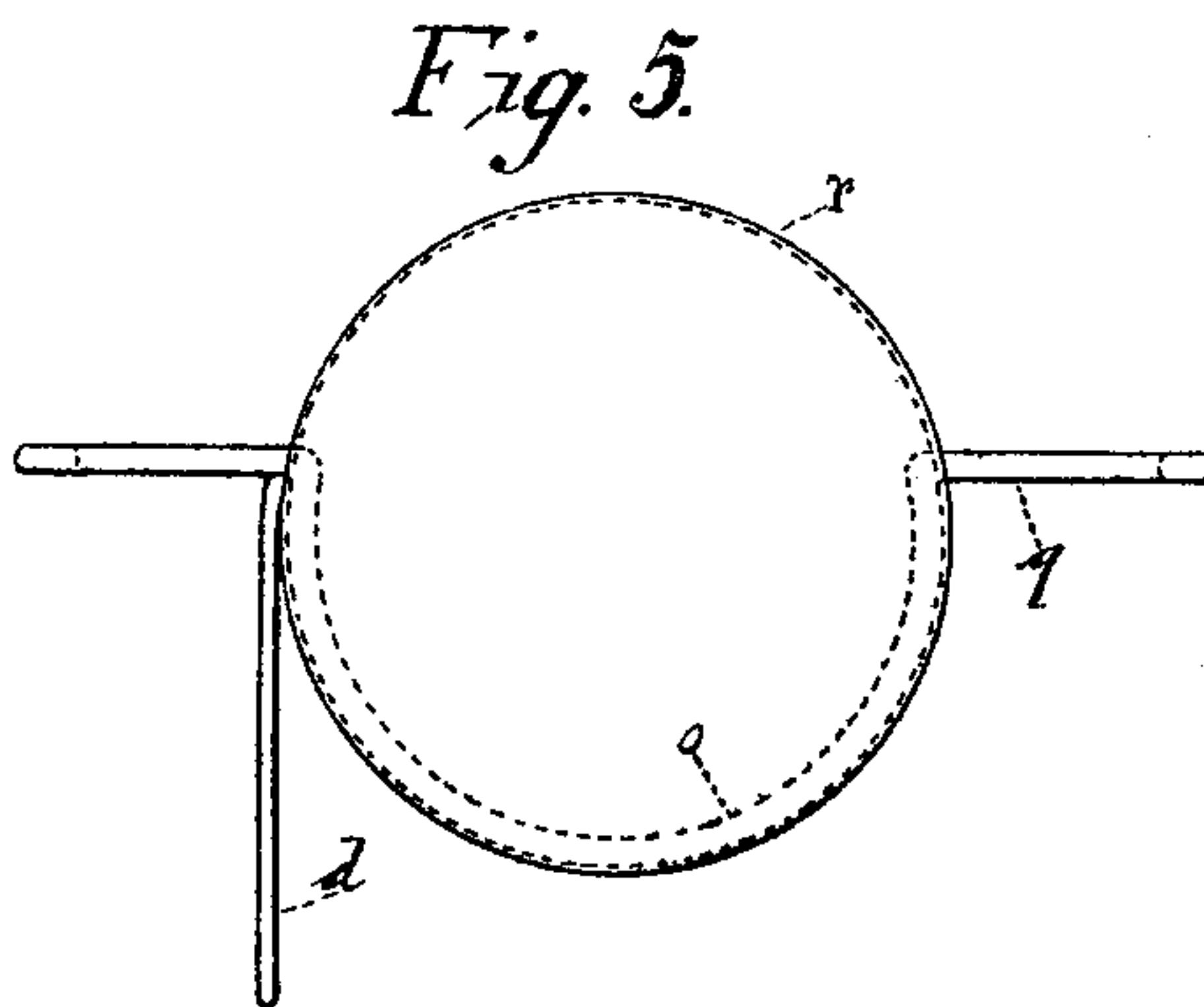
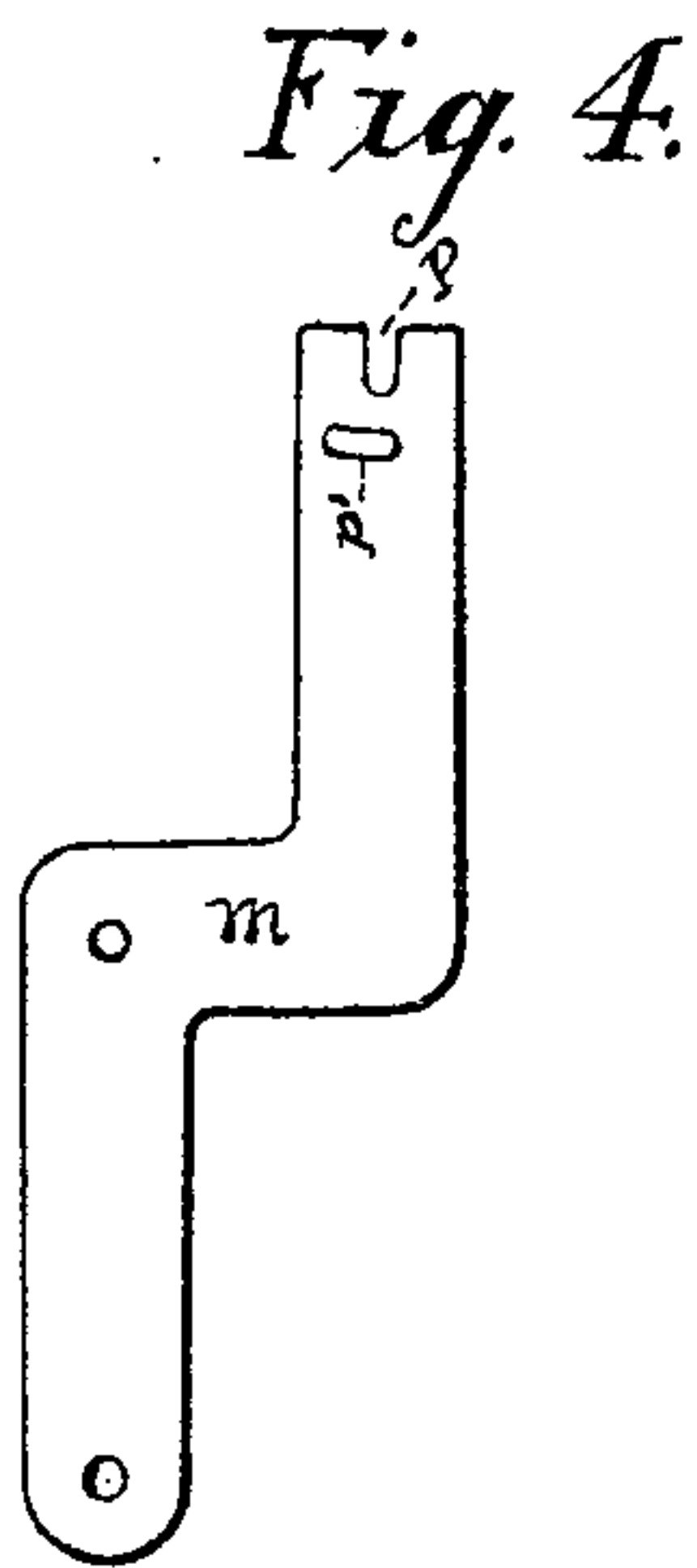
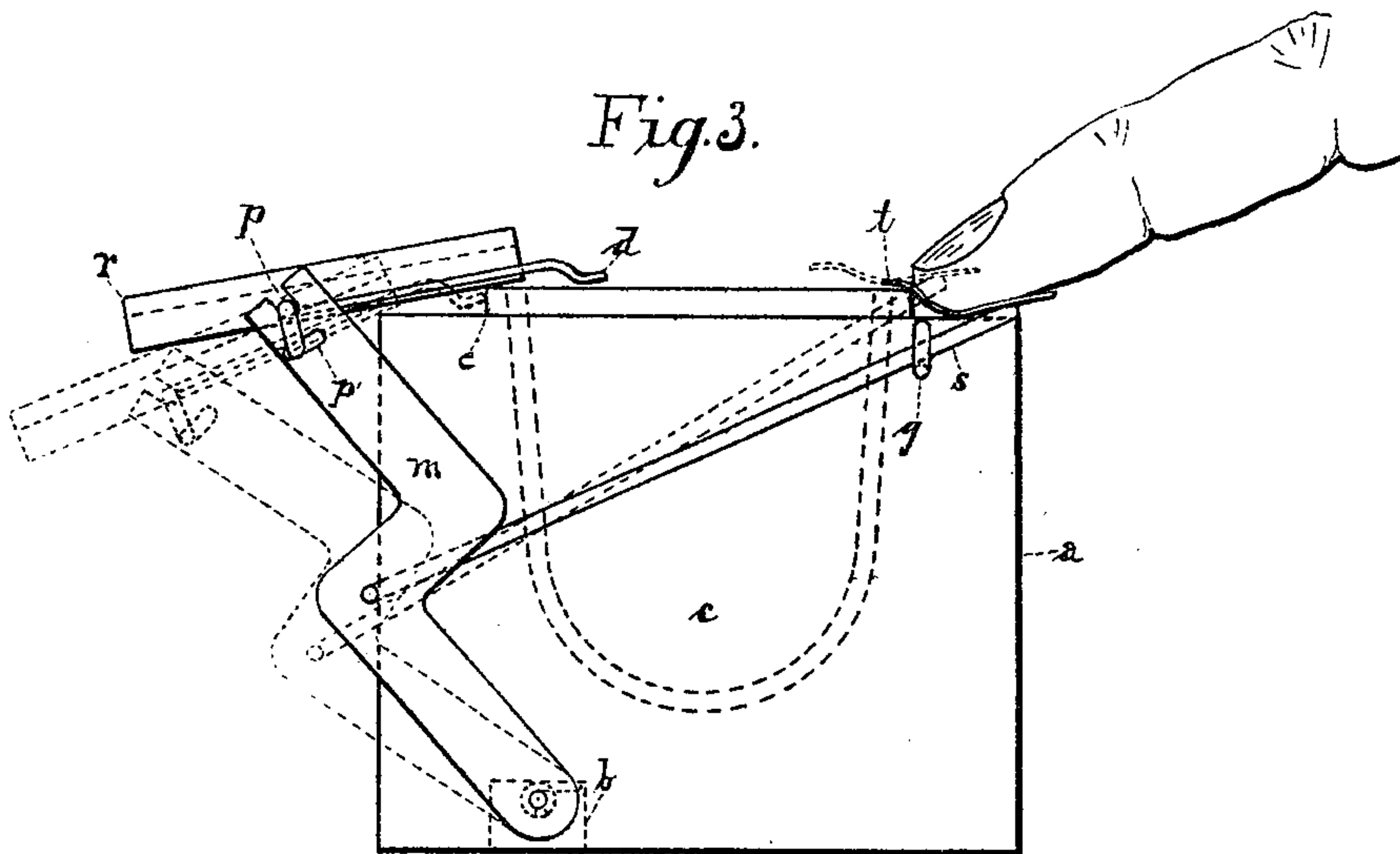
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2 Sheets—Sheet 2.



WITNESSES:

Cameron Barber.
Edwin A. Thomas

WILLIAM R. HALL INVENTOR
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UNITED STATES PATENT OFFICE.

WILLIAM R. HALL, OF CHICAGO, ILLINOIS.

INK-WELL AND DEVICE FOR OPENING OR CLOSING SAME.

SPECIFICATION forming part of Letters Patent No. 624,016, dated May 2, 1899.

Application filed January 27, 1898. Serial No. 668,211. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. HALL, a citizen of the United States, residing in the city of Chicago, county of Cook, and State of Illinois, have invented a new and useful Ink-Well and Device for Opening and Closing Same, of which the following is a specification.

My invention relates to a peculiar construction of the ink-well proper and to mechanism attached to the ink-well for opening and closing the same while in active use, the object of my invention being to prevent the evaporation of the ink and the accumulation of dust within the ink-receptacle.

I have illustrated my invention in drawings submitted as a part hereof, in which—

Figure 1 is a perspective of the ink-well and mechanism attached and with the corner broken away to show the inset, rod, and spring. Fig. 2 is a modification of the opening and closing device to be used in connection with an ordinary ink-well. Fig. 3 is a side elevation showing the opening and closing device in two open positions. Fig. 4 is a detail of the lever. Fig. 5 is a detail of the cover, weight, and spur. Fig. 6 is a detail of the rod and hooks.

Like letters refer to like parts throughout the several views.

a is the stand.
b is an inset in the bottom of the stand *a*.
c is the ink-receptacle.
g are lugs secured to the stand.
h is a rod extending across and through the walls of the inset *b*.

i is a spiral spring surrounding the rod *h* in the inset *b*. One end *j* of the spring *i* is secured to the rod *h*, and the other end *k* abuts upon the bottom of the stand.

m are elbow-levers in a vertical position and parallel with each other, one at each side of the stand. The lower ends of these levers are secured to the ends of the rod *h*. In the upper end of each of the levers *m* is a slot *p*, extending downward, and immediately below said slots are transverse slots *p'*.

q is a rod extending across the top of the stand *a*, the ends passing loosely through the slots *p* and by return-hook *n* extending into the slots *p'*.

r is the cover of the ink-receptacle and is attached to the rod *q*.

o is a weight attached to the forward side of the cover, as shown in Fig. 5, to make it heavier than the rear side. The hook *n* in the slots *p'* and the weight *o* keep the cover in a properly balanced or poised position. To the cover is attached a spur *d* to raise the cover and abut against the neck *e*.

s are two rods, one at each side of the stand *a*, joined at their tops by the finger-plate *t*, which extend slantingly downward on the lugs *g* and are loosely connected at their lower ends to the levers *m*. The rod *q* may be readily removed from the slots *p* and *p'* by pressing the levers together.

In Fig. 2 all the parts of the opening and closing mechanism are similar to the corresponding parts above described and are attached to the platform *v*, which is formed of the band *w*, having a bottom *x* midway between the upper and lower edges, the upper surface to support an ordinary ink-well, such as are in common use, and the receptacle beneath to contain the rod *h* and spring *i*, with auxiliaries, as above set forth. To this band *w* are attached standards *y y*, one at each side, bearing the lugs *g g*.

The operation of this mechanism is as follows: The operator forces backward the finger-plate *t*, thus forcing backward the elbow-levers *m*. This movement causes the purchase afforded by the elbow to slightly raise the cover and swing it backward in the clear. The spur *d* aids in raising the front side of the cover to avoid friction. The weight *o* in the cover *r* and the slots *p'*, containing the hook *n* of the rod *q*, keep the cover inclined in a properly-poised relation with the stand, so that it is practically automatic in adjustment, and where it is desired to remove or replace the ink-well upon the stand the whole mechanism may be laid back out of the way and replaced by means of the finger-board, the cover adjusting itself. When it is desired to allow the ink-well to remain open, the finger-plate is forced backward until the spur *d* abuts against the neck *e*, as shown by the broken lines, and a slight tap upon the finger-plate will release the spur, whereupon the spring *i* will return the levers.

What I claim is—

1. Two vertical elbow-levers, one at each side of the ink-well, which are connected and

pivoted at the lower ends by a cross-bar and provided each with a horizontal slot in the upper end, in combination with a rod operatively engaging said slots, a swinging cover
5 attached to said rod with means for holding said cover in a poised or open position, hand-resting side rods operatively connected with said elbow-levers whereby the ink-well is opened by horizontal motion of the operator's
10 hand, and a spring upon said cross-bar to actuate said levers, substantially as described.

2. The combination with the elbow-levers m provided with the slots p and p' , of the rod

q with the hooks n connecting the upper ends of said levers, the cover r with the weight o
15 and spur d attached to said rod q , the rod h connecting the lower ends of said levers, the spring i upon said rod h , and the side rods s , attached to said levers m , substantially as described.
20

Witness my hand this 3d day of January,
A. D. 1898.

WILLIAM R. HALL.

Witnesses:

C. A. POMEROY,
H. J. THOMPSON.