

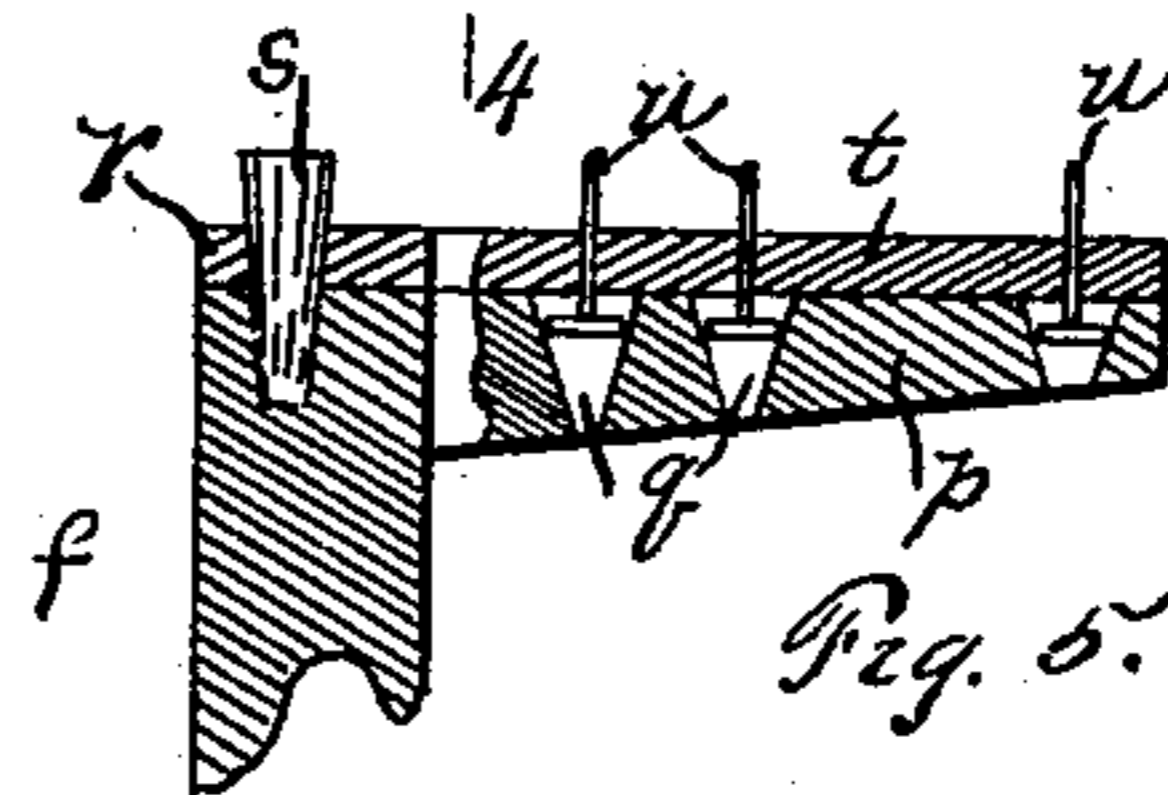
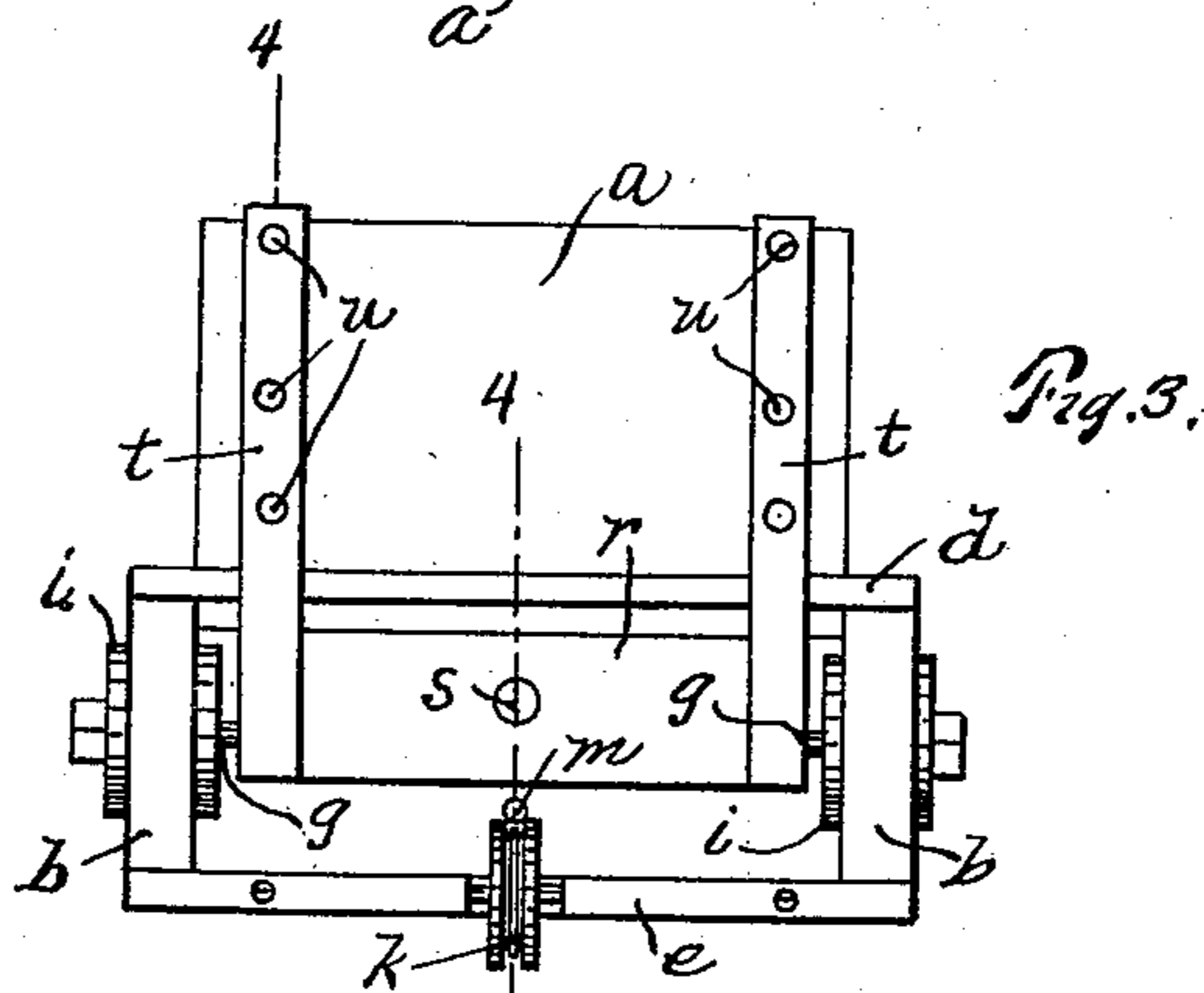
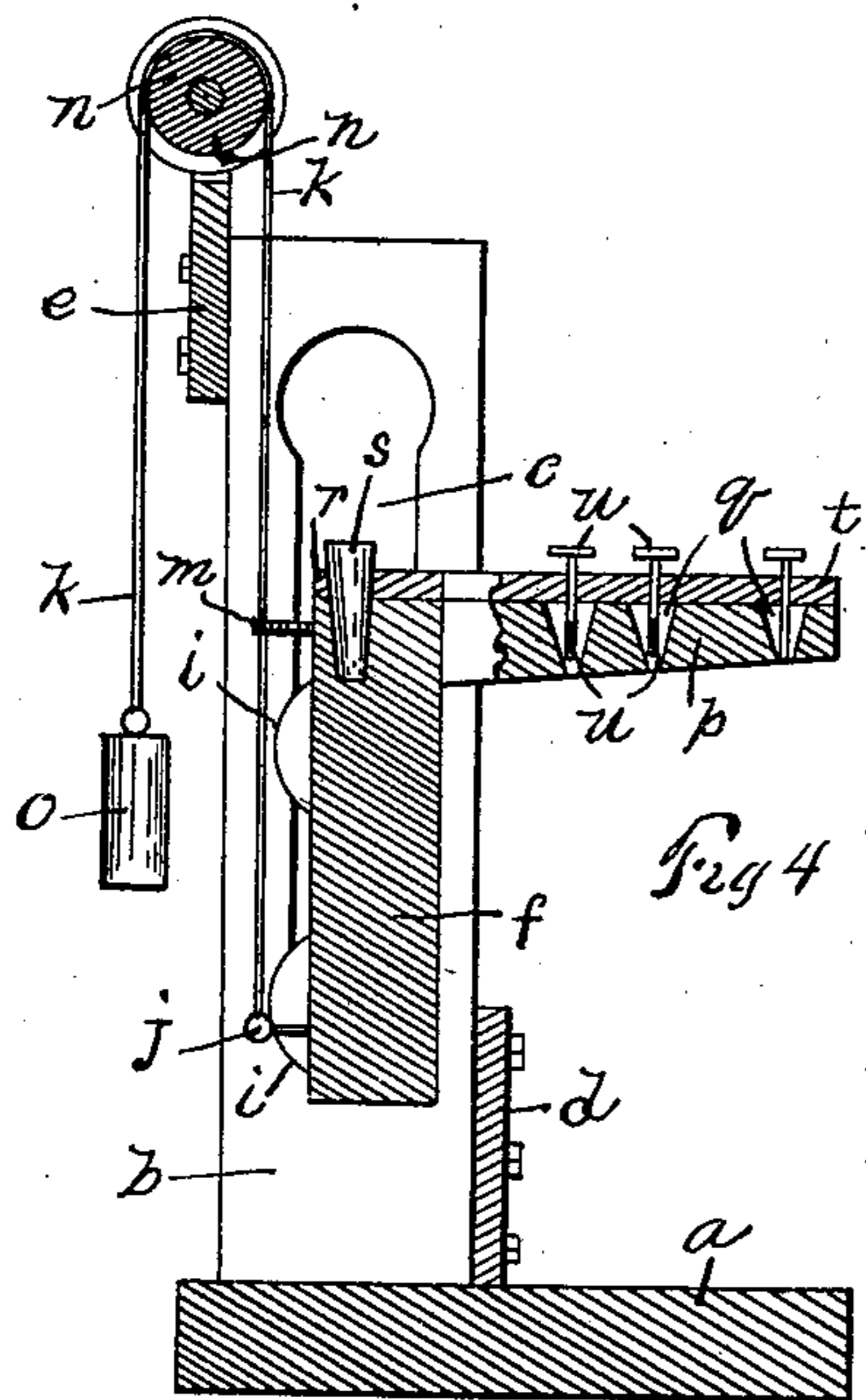
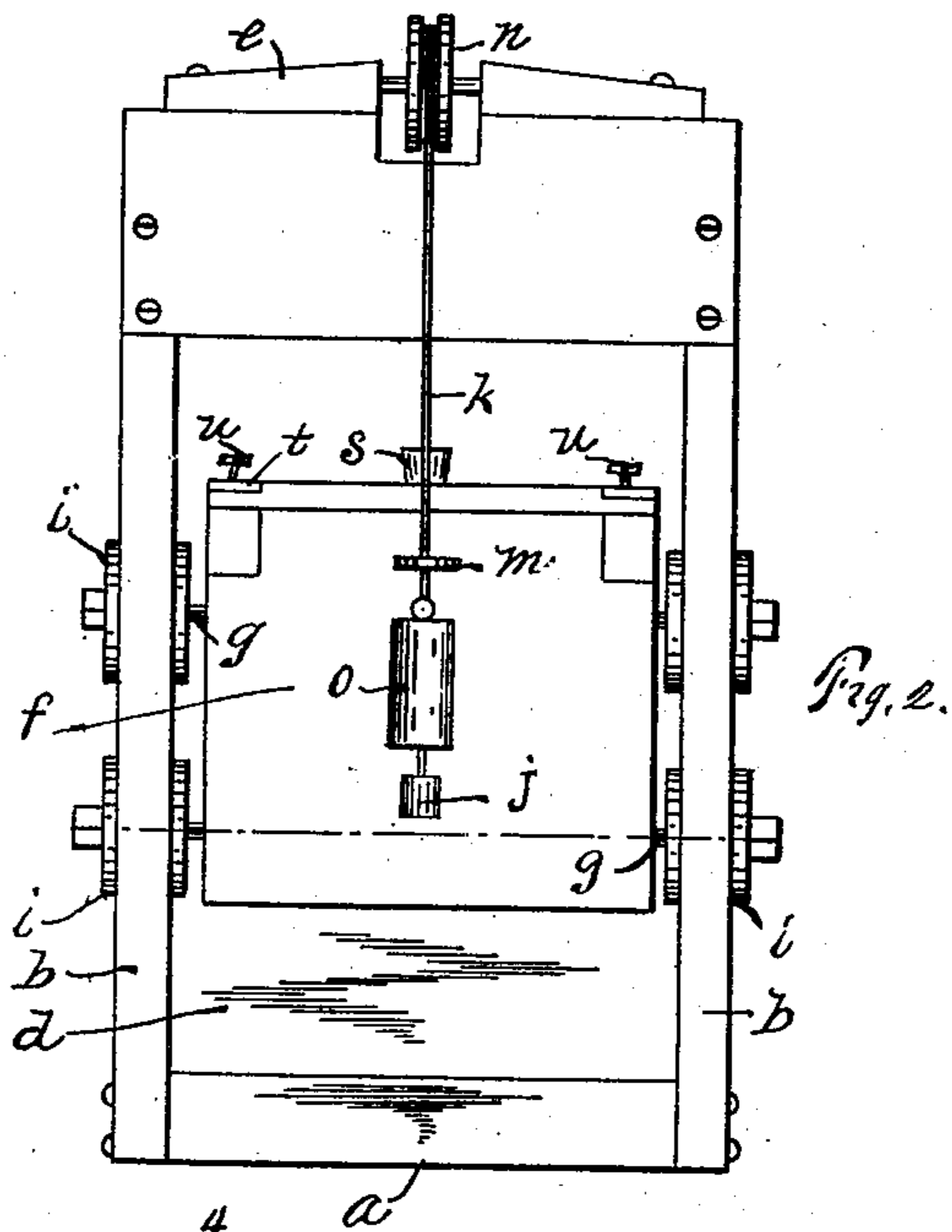
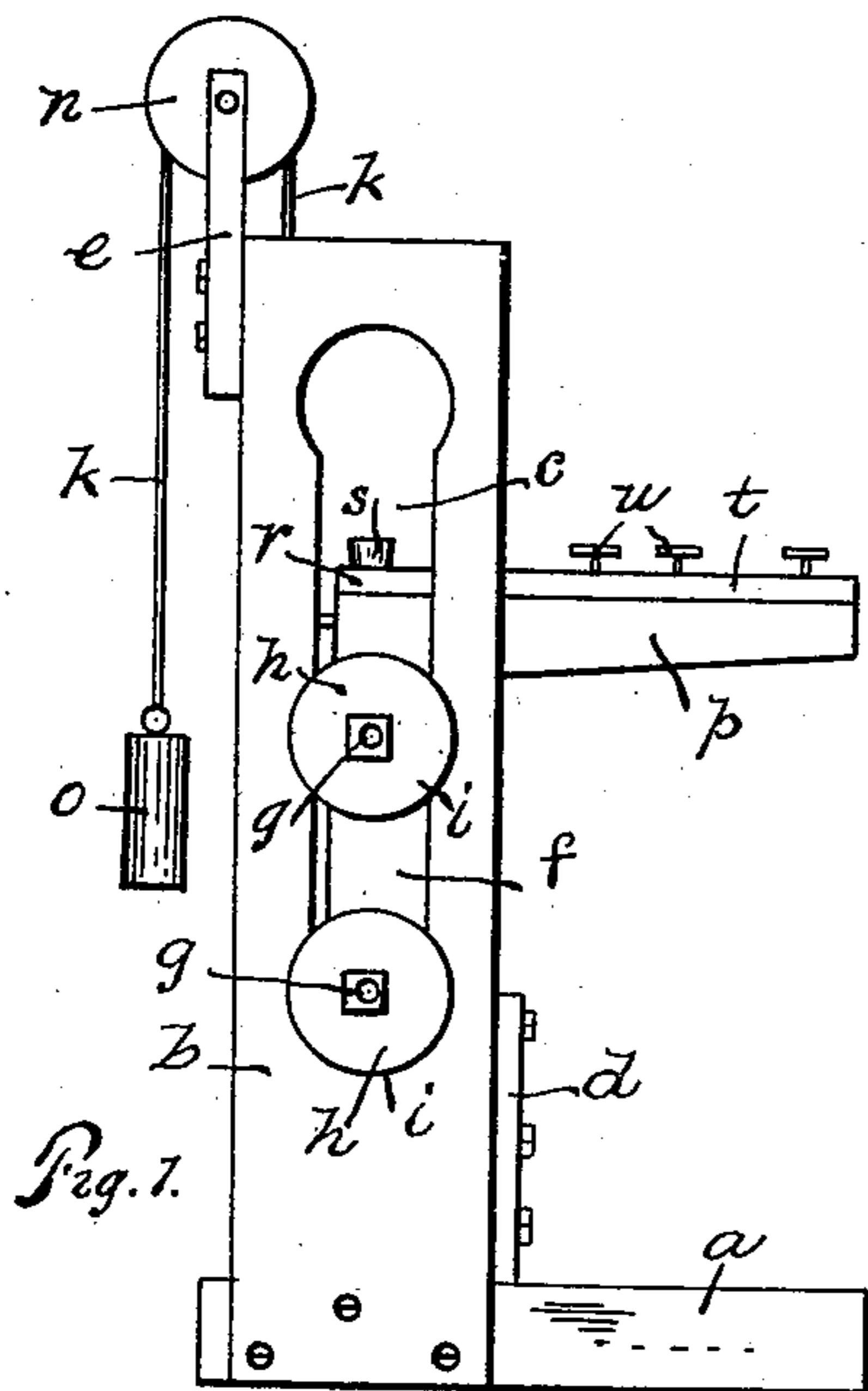
No. 689,719.

Patented Dec. 24, 1901.

J. L. HERR.
BAG HOLDER.

(Application filed Oct. 2, 1900.)

(No Model.)



Witnesses.
H. H. H. Gruenier
C. H. Bassler.

INVENTOR
John Landis Herr.
By
Wm. R. Gerhardt.
ATTORNEY.

UNITED STATES PATENT OFFICE.

JOHN LANDIS HERR, OF LANCASTER TOWNSHIP, PENNSYLVANIA.

BAG-HOLDER.

SPECIFICATION forming part of Letters Patent No. 689,719, dated December 24, 1901.

Application filed October 2, 1900. Serial No. 31,757. (No model.)

To all whom it may concern:

Be it known that I, JOHN LANDIS HERR, a citizen of the United States, and a resident of Lancaster township, in the county of Lancaster and State of Pennsylvania, have invented certain Improvements in Bag-Holders, of which the following is a specification.

This invention relates to improvements in that class of devices designed for holding a bag in an upright position and with its mouth open while being filled.

The objects of my improvements are, first, to facilitate the raising and lowering of the mouth of the bag and to adjust the holder to bags of different lengths, and, second, to construct jaws having separate means for the attachment of coarse sacks and of bags.

The invention consists in the construction and combination of the various parts, as hereinafter fully described and then pointed out in the claims.

In the accompanying drawings, which form a part of this specification, Figure 1 is a side elevation of a bag-holder embodying my invention; Fig. 2, a rear elevation; Fig. 3, a top plan view; Fig. 4, a vertical section through broken line 4 4 of Fig 3; and Fig. 5, a vertical section through one of the jaws, showing a modification in the construction.

Similar letters indicate like parts throughout the several views.

For the purposes of this specification that face of the bag-holder from which the jaws extend will be termed the "front" and that upon which the counterweight is located the "rear."

Referring to the details of the drawings, *a* indicates a base, and *b* two posts secured opposite each other to the sides of the base and having therein vertical slots *c*. The posts are bound together by two cross-pieces, one, *d*, being secured to the front edges of said posts and adjacent to base *a* and the other, *e*, to the top of the rear edges of the posts and extending above the same.

Between posts *b* is an elevator consisting of an elongated upright block *f*, having spindles *g* on its edges, which spindles pass through slots *c* of said posts, and on the spindles are grooved antifriction-rollers *h*, the flanges *i* whereof embrace the sides of said slots *c*. On the back of elevator-block *f* are two screw-

eyes, one, *j*, being located near the bottom of said plate, and to this screw-eye is secured an elevator cord or rope *k*, which cord or rope is extended upward through the screw-eye *m*, located near the top of said elevator-block and in line with the screw-eye *j*. From screw-eye *m* elevator cord or rope *k* is extended up above the top of posts *b* to the front of and back over a grooved pulley *n*, mounted in a transverse slot in the upper edge of cross-piece *e*, and from the rear of this pulley said cord or rope depends, there being attached to the end of this depending portion of said cord or rope a counterweight *o*. Projecting forward from the top of each side of elevator-block *f* is a jaw *p*, each jaw having a series of vertically-disposed tapering openings *q*, the walls of said openings contracting from the top toward the bottom. On top of elevator-block *f* is a plate *r* of the same dimensions as the top of said block and removably secured thereto by a pin *s*, passing through an opening in plate *r* and engaging a socket in the top of the elevator-block, as shown in Fig. 4. Projecting forward from each end of plate *r* is a jaw *t*, extending over and being of the same length and width as the corresponding jaw *p* of the elevator-block. Disposed lengthwise of each jaw *t* and driven through the same is a row of headed pins *u*, corresponding in number and ranging with the openings *q* of the jaws *p*, located beneath it. Both ends of pins *u* project from the surfaces of the jaws, and both ends of said pins are adapted to enter openings *q* of jaws *p*. When bags are to be upheld by the holder, plate *r* is secured in place, with the heads of the pins extending upward and the points engaging openings *q*, as shown in Fig. 4; but when coarse sacks are to be upheld the sides of plate *r* are reversed, so that the points of the pins extend upward and the heads engage the openings. These several devices are found to be the best means of securing bags and coarse sacks, respectively, in an upright position. The pointed pins cut and form holes in the edge of the bags, so that the mouth of the bag is worn out, while the body thereof is perfectly sound and good; but where the pins are headed the narrow hem around the mouth of the bag can be drawn over and under the heads of the pins, where-

by the strain of the bag serves to tighten the connection between said hem and the pin-heads, and that without injury to the mouth of the bag. The edges of the coarse sacks
 5 can be pressed down over the pointed pins without receiving any material injury, and as (because of the coarseness of their hems) they can be much more quickly secured on the points than over the heads of pins means are
 10 provided for so doing.

In operation the mouth of the bag is secured to the united jaws *p t* and then elevated to the required height by pulling on the depending portion of cord or rope *k*, the mouth of
 15 the bag being held in said elevated position by weight *o*. The mouth of the bag is lowered by raising said weight.

I do not limit myself to the details of construction herein shown and described, as it is
 20 obvious that many alterations may be made therein without departing from the principle and scope of my invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters
 25 Patent, is—

1. The combination, in a bag-holder, of an elevator for raising and lowering a bag, jaws supported by the elevator and reversibly connected therewith, and pins in the jaws and
 30 having the heads projecting from one side of said jaws and the points from the opposite side thereof, for the purpose specified.

2. The combination, in a bag-holder, of an elevator for raising and lowering a bag, jaws
 35 projecting from the elevator and having sockets in the tops thereof, jaws reversibly connected with the elevator and constructed to lap the jaws projecting therefrom, and pins in the reversible jaws and having the heads
 40 projecting from one side of said reversible jaws and the points from the opposite side thereof, the heads and points of said pins being adapted to engage the sockets in the jaws projecting from the elevator, for the purpose
 45 specified.

3. The combination, in a bag-holder, of two posts, an elevator between and guided by said posts, a pulley located above the elevator, a cord or rope connected with the elevator and
 50 passing around the pulley, jaws supported by the elevator and reversibly connected therewith, and pins in the jaws and having the heads projecting from one side of said jaws

and the points from the opposite side thereof, for the purpose specified. 55

4. The combination, in a bag-holder, of two posts, an elevator between and guided by said posts, a pulley located above the elevator, a cord or rope connected with the elevator and passing around the pulley, jaws projecting
 60 from the elevator and having sockets in the top thereof, a plate reversible on top of the elevator, jaws on the plate and lapping the jaws projecting from the elevator, and pins in the jaws on said plate and having the heads
 65 thereof projecting from one side of said jaws and the points from the opposite side thereof, the heads and points of said pins being adapted to engage the sockets in the jaws projecting from the elevator, for the purpose speci- 70 fied.

5. The combination, in a bag-holder, of two posts having vertically-disposed slots, an elevator between said posts, spindles on the elevator and engaging the slots in the posts, 75 grooved antifriction-rollers on said spindles and having the flanges thereof engaging the sides of the slots in the posts, a pulley located above the elevator, a cord or rope connected with the elevator and passing around the 80 pulley, and means for securing the open mouth of a bag to the elevator.

6. The combination, in a bag-holder, of two posts having vertically-disposed slots therein, an elevator between the posts, spindles on 85 the elevator and engaging said slots, grooved antifriction-rollers on said spindles and having the flanges thereof engaging the sides of the slots in the posts, a pulley located above the elevator, a cord or rope connected with 90 the elevator and passing around the pulley, jaws projecting from the elevator and having sockets in the top thereof, a plate reversible on top of the elevator, jaws on the plate and lapping the jaws projecting from the elevator, 95 and pins in the jaws on said plate and having the heads thereof projecting from one side of said jaws and the points from the opposite side thereof, the heads and points of said pins being adapted to engage the sockets in 100 the jaws projecting from the elevator, for the purpose specified.

JOHN LANDIS HERR.

Witnesses:

JOHN W. APPEL,
 WM. R. GERHART.