

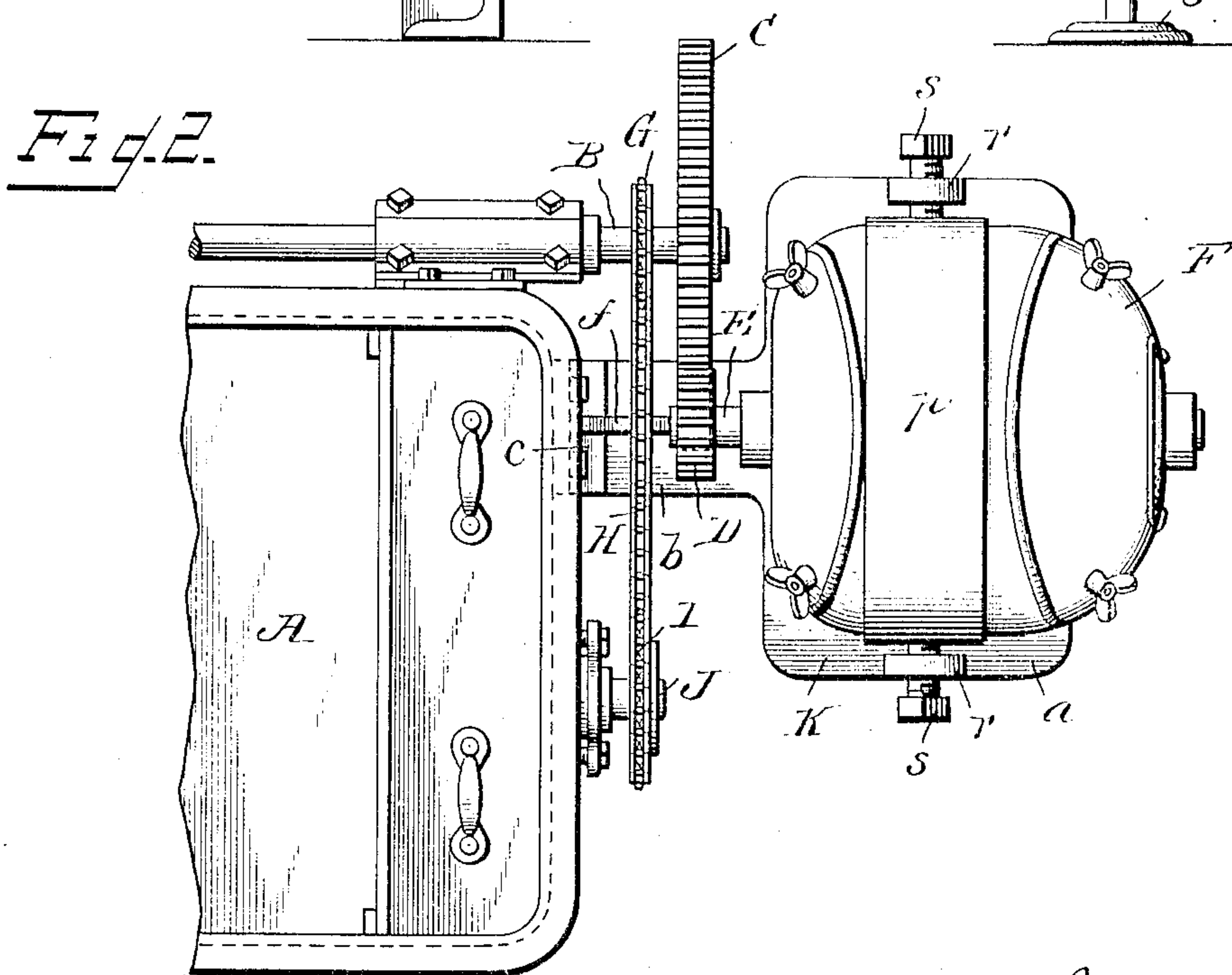
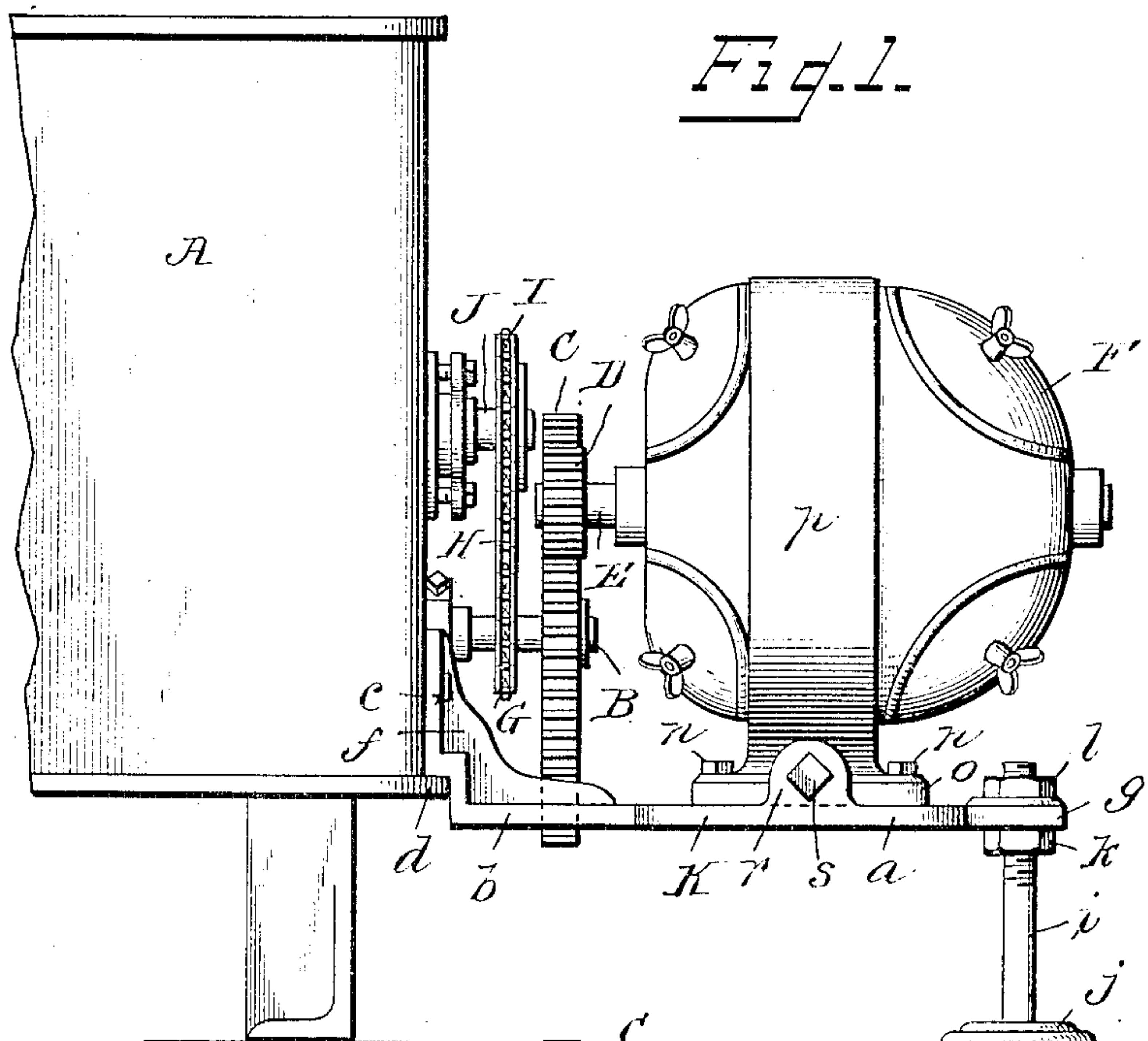
No. 875,821.

PATENTED JAN. 7, 1908.

A. INSINGER.
DEVICE FOR SUPPORTING MOTORS.

APPLICATION FILED JULY 13, 1905.

2 SHEETS—SHEET 1.



Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

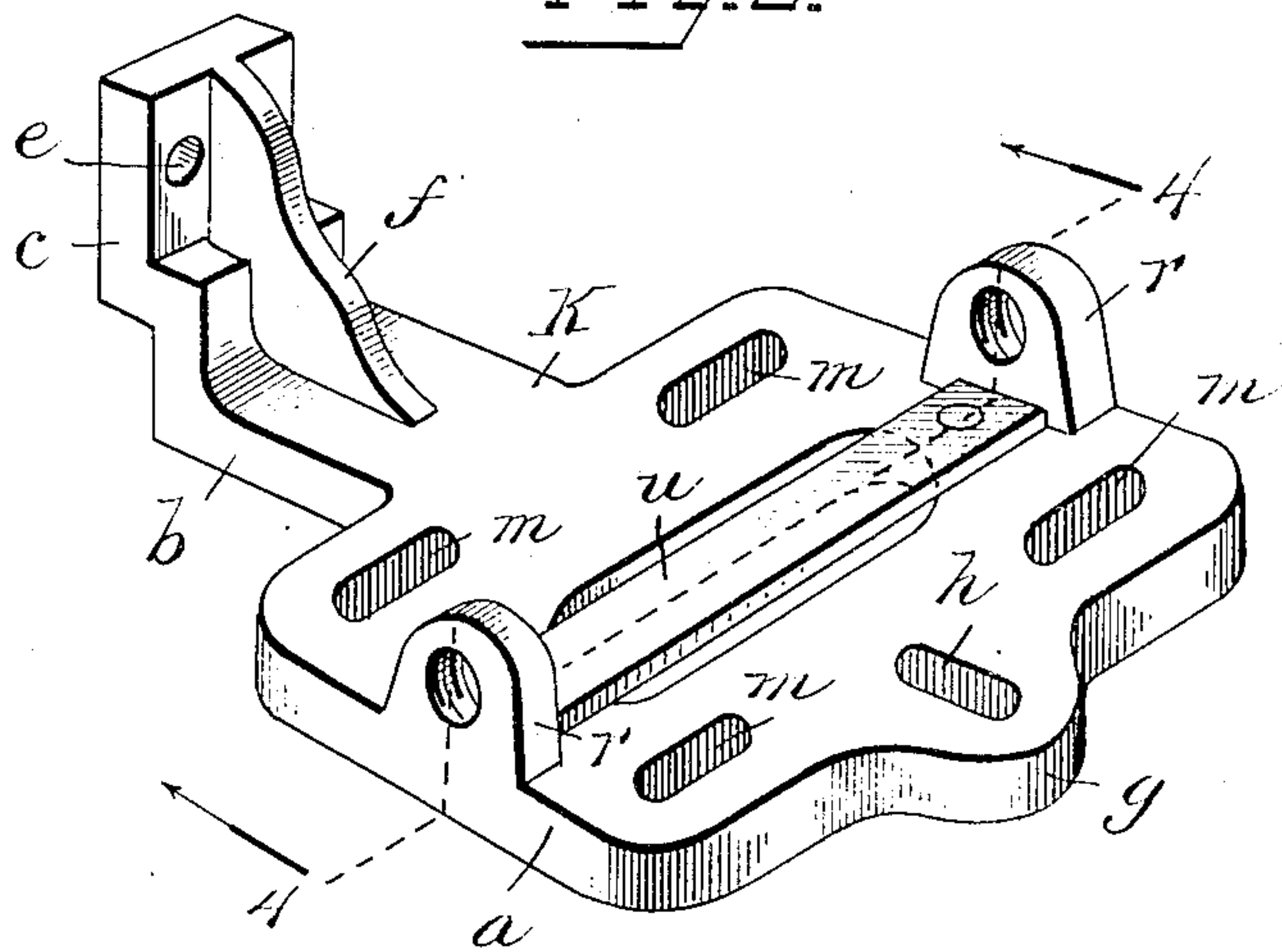


Fig. 4.

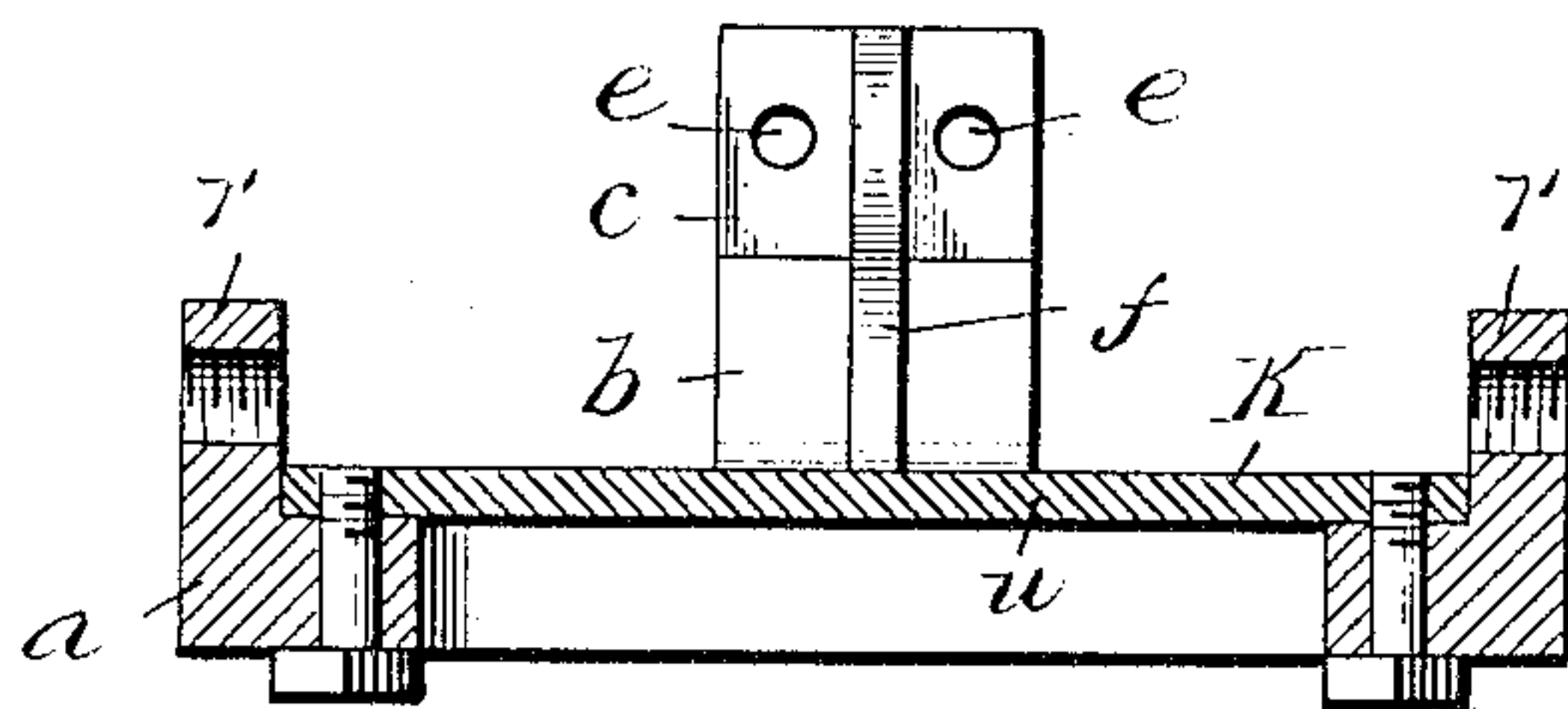
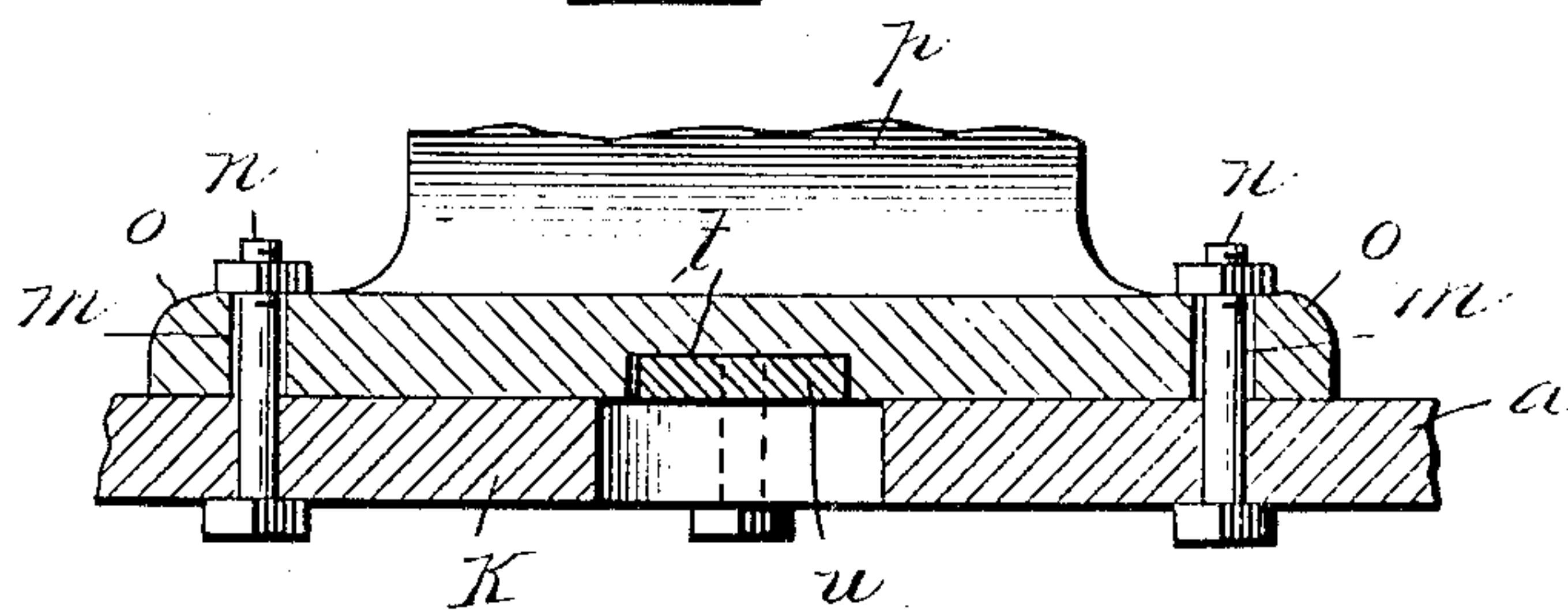


Fig. 5.



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UNITED STATES PATENT OFFICE.

ALFRED INSINGER, OF PHILADELPHIA, PENNSYLVANIA.

DEVICE FOR SUPPORTING MOTORS.

No. 875,821.

Specification of Letters Patent.

Patented Jan. 7, 1908.

Application filed July 13, 1905. Serial No. 269,506.

To all whom it may concern:

Be it known that I, ALFRED INSINGER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Devices for Supporting Motors; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to devices for supporting and connecting a driving motor to machines, and it has for its object to provide a simple, durable, and comparatively inexpensive device whereby the motor may be properly supported closely adjacent the machine, and to be easily adjusted to bring its shaft into proper position relative to the main shaft of the machine, and it consists in the parts and combinations of parts hereinafter described and claimed.

In the accompanying drawings forming a part of this specification Figure 1, is a side elevation of one end of a dish washing machine tank showing my invention in position thereon; Fig. 2, a plan view of the same; Fig. 3, a perspective view of the motor supporting bracket; Fig. 4, a vertical section on the line 4—4 in the direction of the arrows, Fig. 3; and Fig. 5, a detail vertical section through the base of the motor supporting frame and the bracket.

Similar letters refer to similar parts throughout all the views.

Referring to the drawings A represents a portion of a dish washing machine tank, B the main shaft, C a large gear secured on said shaft and meshing with a small gear D on the shaft, E, of the motor F. A sprocket wheel G is also secured on the main shaft which is connected by a sprocket chain H to a similar, but smaller, wheel I, secured on the shaft J of the propeller wheel (not shown) within the tank.

A casting forming a bracket K is secured to the end of the tank in order to support the motor F. The bracket is best shown in Figs. 3, 4, and 5, and it consists of an elongated base *a* having the laterally extended arm *b*, formed with the right angled step-like end *c*, which adapts it to fit over and rest upon the bottom flange *d* of the tank, and formed with perforations *e* whereby it may be bolted or otherwise secured to the

tank. The arm *b* is also formed with a strengthening web *f*, as shown. At the opposite side the base *a*, is formed with an extension or projection *g* through which an elongated transversely extending slot *h* is formed to receive a supporting rod or pillar *i*. See Fig. 1.

The pillar *i* is provided with an enlarged base *j* and its upper end extends through the slot *h* in the bracket extension *g*, and in which it may be adjusted to and from the tank to which the bracket is secured. The end of the pillar is threaded to receive the adjusting nut *k* and the jam nut *l* in order to secure the pillar to the bracket by clamping the same to the extension *g* and thereby fix or secure it in its adjusted position to support the outer end of the bracket from the floor. At each corner of the base *a* of the bracket an elongated slot *m* is formed to receive the bolts *n* which extend through the openings in the base *o* of the supporting ring *p* for the motor. See Figs. 1 and 5. The slots *m* provide for the adjustment of the supporting ring transverse the bracket so that the motor may be adjusted on the bracket and then firmly secured by the bolts in its adjusted position. At each side of the bracket a vertical lug *r* is provided which is formed with a screw threaded perforation through which a threaded bolt *s* works and engages the base *o* of the supporting ring, whereby the above-described adjustment of the ring to accurately position the motor on the bracket is accomplished.

The base *o* of the supporting ring is formed with a groove *t*, see Fig. 5, which fits over a bar *u*, secured by screws lengthwise the center or middle of the base of the bracket, so as to form a track or way to guide the motor in its adjustment and prevent it sliding to or from the tank of the machine.

It will be observed that the motor may be quickly and accurately adjusted and firmly secured in place on the bracket by the means described and that the firm connection between the latter and the machine together with the supporting pillar affords a strong and immovable support for the motor, preventing all tendency of the latter to shake or tremble while in operation, and that the nuts on the supporting pillar may be adjusted so as to accommodate uneven flooring and insure an even support of the bracket.

Having thus described my invention what

I claim as new and desire to secure by Letters Patent is:

1. The combination, with a support, of a bracket having a step-like arm secured rigidly to said support, a pillar for supporting the free end of said bracket, and a supporting ring for a motor secured to said bracket and transversely adjustable thereon.

2. The combination, with a support, of a bracket rigidly secured to the support, a supporting ring for a motor arranged on the bracket, an adjustable pillar for supporting the outer end of the bracket, and means for adjusting the ring transversely of the bracket.

3. The combination, with a support, of a bracket secured to said support, a pillar supporting the free side of said bracket, a track or way on said bracket, a ring for supporting

a motor having a groove adapted to fit over said track or way, and means for adjusting and securing said ring on said bracket.

4. A device for supporting a motor, comprising a bracket having a base formed with elongated slots at each corner, and an elongated slot at right angles to said corner slots, a step-like arm extending from one side of said base, screw-threaded perforated vertical lugs at each end of said base, a track or way extending lengthwise of the base, and an adjustable pillar for supporting the free side of said bracket.

In testimony whereof, I affix my signature, in presence of two witnesses.

ALFRED INSINGER

Witnesses:

GEO. MECKE,

JOHN R. BUTCHER.