

No. 624,010.

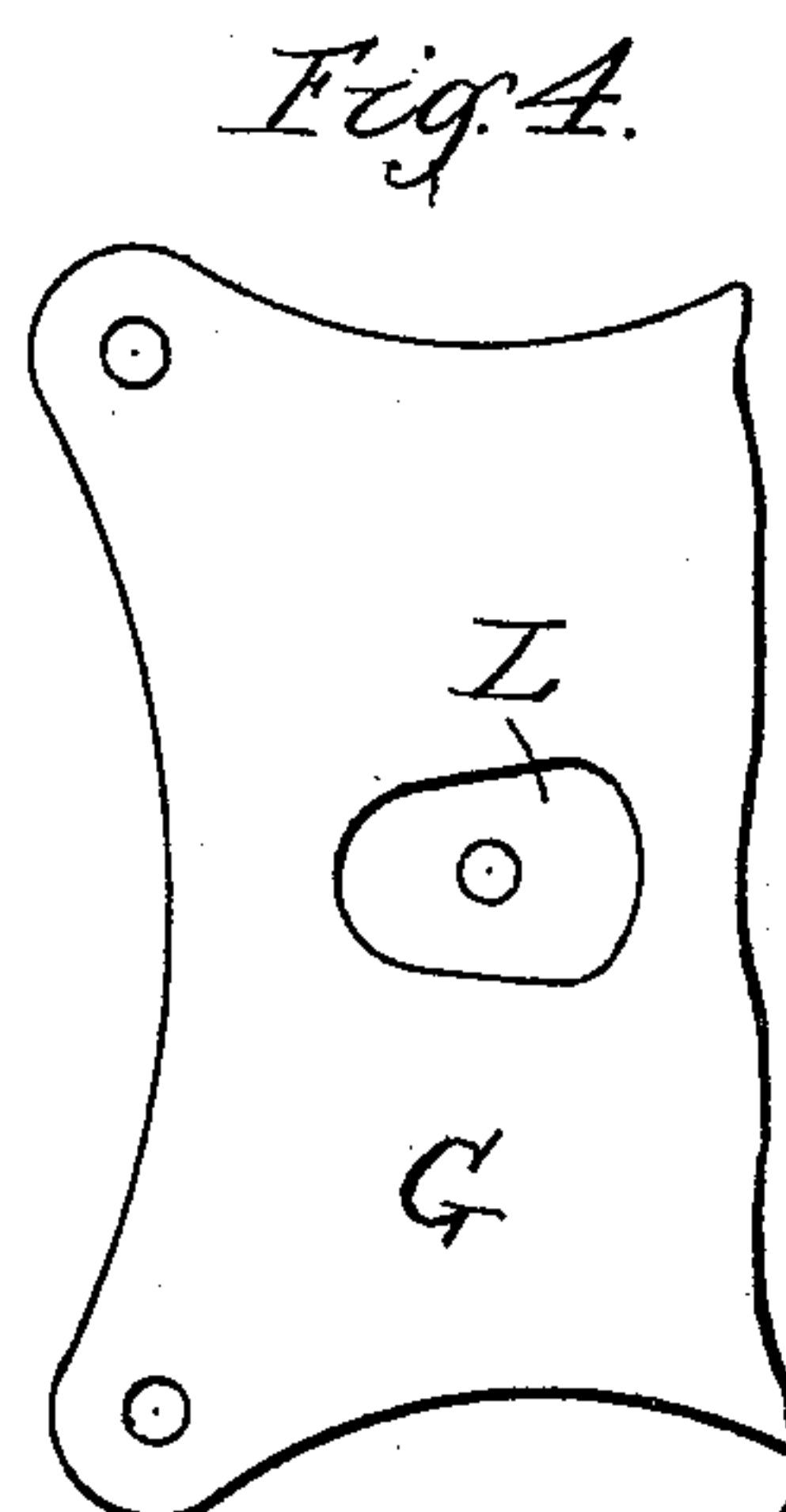
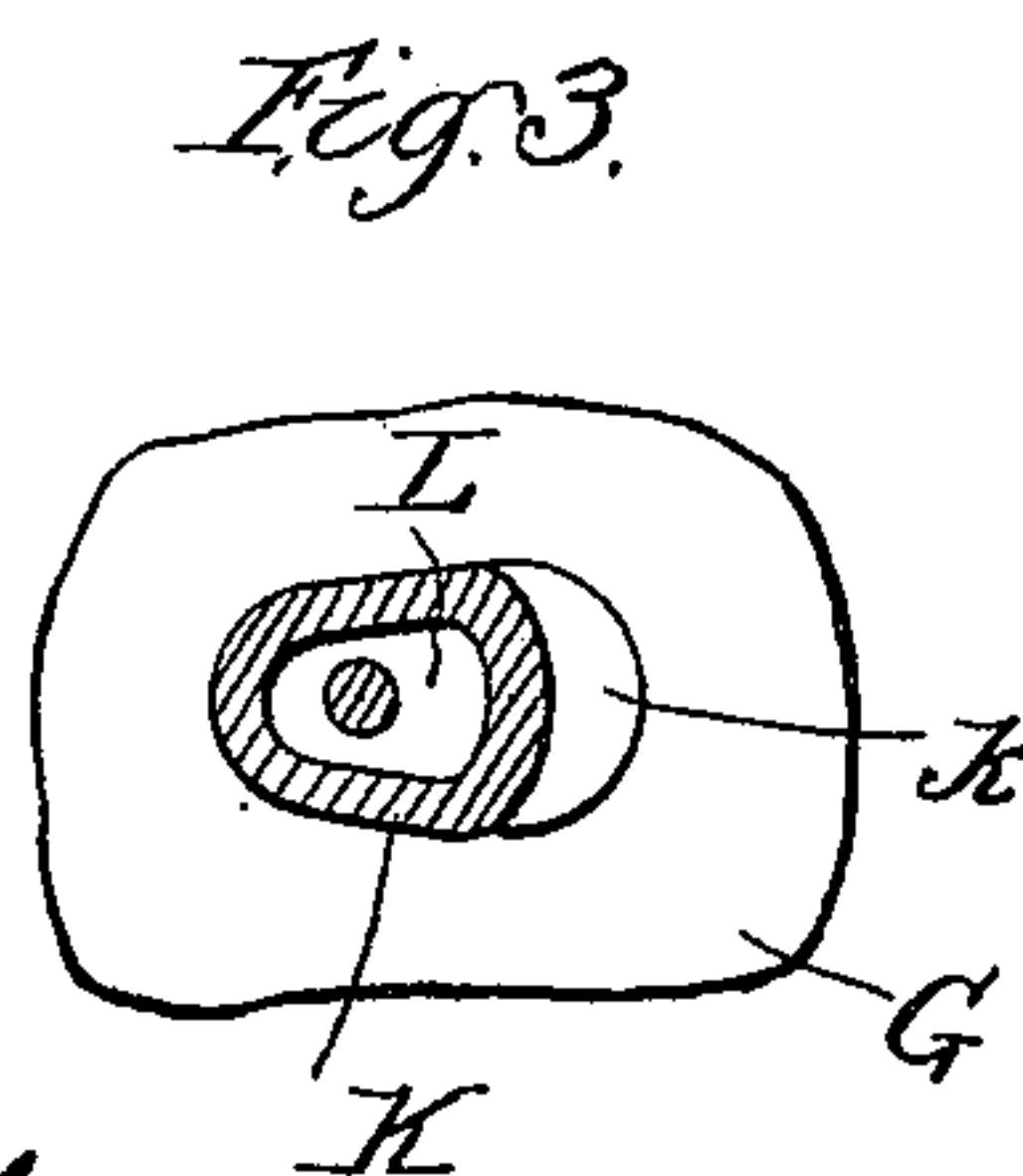
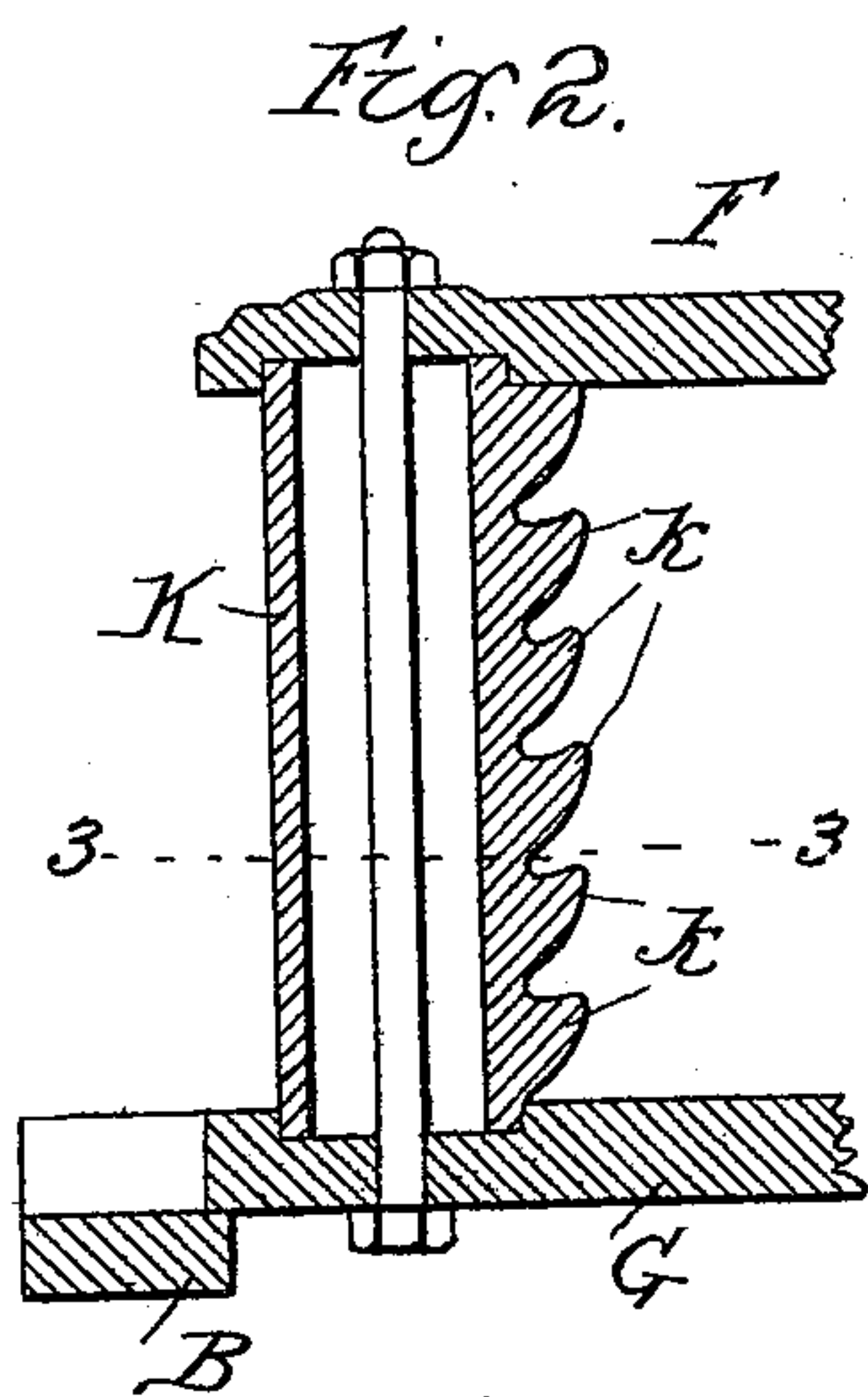
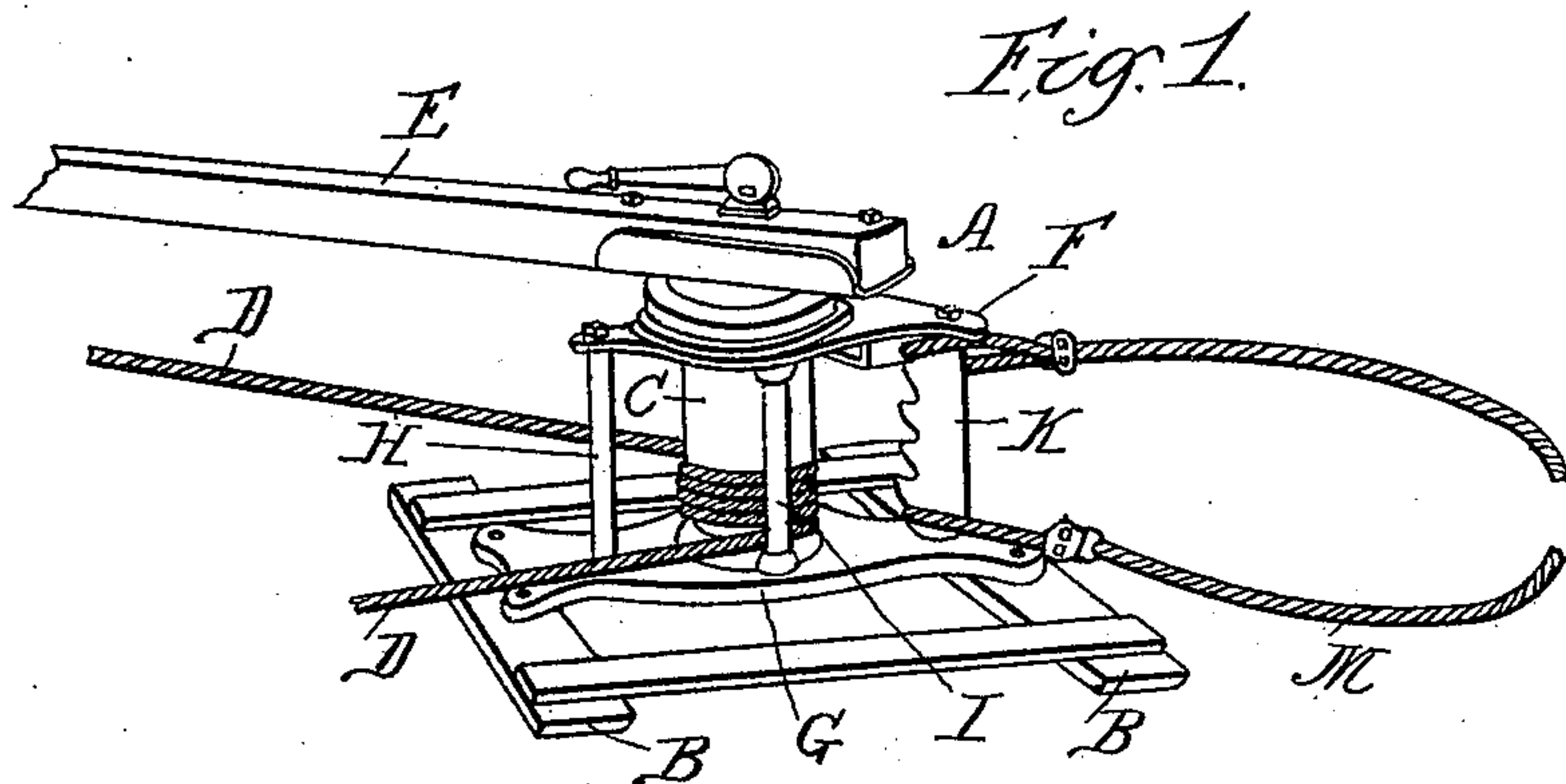
Patented May 2, 1899.

H. C. GODDARD.

ANCHORING MEANS FOR POWER WINCHES.

(Application filed Oct. 21, 1898.)

(No Model.)



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UNITED STATES PATENT OFFICE.

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ANCHORING MEANS FOR POWER-WINCHES.

SPECIFICATION forming part of Letters Patent No. 624,010, dated May 2, 1899.

Application filed October 21, 1898. Serial No. 694,185. (No model.)

To all whom it may concern:

Be it known that I, HARRY C. GODDARD, a citizen of the United States of America, residing at Decorah, in the county of Winne-
5 shiek, in the State of Iowa, have invented certain new and useful Improvements in Anchoring Members for Power-Winches, of which the following is a description.

Referring to the accompanying drawings,
10 wherein like reference-letters indicate like or corresponding parts, Figure 1 is a side elevation of a winch provided with my improvement. Fig. 2 is a longitudinal section of my improved anchoring device. Fig. 3 is a trans-
15 verse section of the same in line 3 3 of Fig. 2; and Fig. 4 is a partial plan view of one of the plates of the winch, showing the seat for the end of the anchoring-post in the preferred form.

20 In devices of this kind, which are usually portable and used for moving heavy weights or for removing stumps and for similar purposes, it is important in order to secure the best results that the winch should be so an-
25 chored that it will be caused to assume a substantial horizontal position or one substantially parallel to the surface upon which it is located.

30 The object of my invention is to provide a simple, economical, and effective means for anchoring the winch, so that it will assume such position when in use.

35 To this end it consists in the novel construction and combination of parts shown and described herein, and more particularly pointed out in the claims.

40 In the drawings, A is a winch of well-known construction mounted upon a portable platform or vehicle B, by means of which it may be transferred from one place to another.

45 C is the winding-drum, upon which the rope D is wound, and E is the sweep by means of which said drum is caused to rotate. The drum C is preferably secured in vertical position between the plates F G in such manner as to permit the necessary rotation. The posts H, I, and K hold the plates in proper relation to one another. In the preferred form one of said posts, as K, (and, if desired, more,)
50 forms the anchoring device for the winch, and is constructed of sufficient strength for

that purpose. To this end I prefer that the ends of said post shall be firmly seated in recesses L in the plates, Figs. 2 and 4, and a strong bolt passed through said plates and
55 the hollow post to firmly secure it in such position. The said anchoring-post is provided with means for retaining the anchoring-rope at any desired point. For this purpose it is preferably formed with a series of protruding
60 parts *k*, which may be inclined upward, as shown, the depression between said protruding parts being particularly constructed for the seating and securing of the anchoring-rope M. 65

The operation of this device is apparent. It will at once be seen that the anchor-rope may be seated and secured at any desired point or points on said anchoring-post that may be found necessary by reason of the par-
70 ticular location where it is desired to place the winch. Thus in some cases it may be found necessary to locate the rope near to the plate F in order to retain the device in a horizontal position, in other cases both a high
75 and a low connection is necessary, as shown in Fig. 1, while in still others the connections may be low. Whatever may be necessary in this direction, however, it is easily accom-
80 plished by my improved anchoring device, and takes but a moment to secure the suitable adjustment to insure the result desired.

I do not wish to be understood as limiting myself to the use of a single anchoring-post in a device of this kind, as it is obvious in
85 heavy work that it may sometimes be necessary that the device should be anchored at more than one point. Neither do I wish to be understood as limiting myself to the use of an anchoring-post of this kind with the ex-
90 act device here shown, as it is obvious that a similar device may be used with many portable machines, which must necessarily be anchored securely when operated. Neither is it necessary that the anchoring-post should
95 form one of the connections between the end plates, as, if preferred, it may be entirely independent of such use.

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

1. An anchoring member for portable ma-

chines comprising a post or bar firmly secured to said machine and forming a part thereof and provided with means for securely retaining the anchoring-rope thereon at any desired point, substantially as and for the purpose set forth.

2. An anchoring member for portable machines, comprising a post or bar firmly secured to said machine and forming a part thereof, and provided with a plurality of depressions extending in a direction transverse to the length of the post adapted to receive and retain the anchoring-rope in position, whereby the said rope may be adjusted at any desired point on said anchoring member, substantially as and for the purpose set forth.

3. A power-winch and its operative parts in combination with an anchoring member comprising a post or bar secured to said winch, and provided with means for retaining the anchoring-rope at any desired point upon said post, whereby the draft upon said winch by means of the anchoring-line may be adjusted as desired, substantially as and for the purpose set forth.

4. In a portable winch, the winding-drum rotatably supported between plates F G and means for rotating said drum, in combina-

tion with struts or posts for holding said plates in suitable relation to one another, one of said struts being provided with means for securely retaining an anchoring-rope at any desired point thereon, whereby the draft caused by the strain of the anchoring-rope may be adjusted at any desired point on said struts, substantially as and for the purpose set forth.

5. In a winch, the winding-drum rotatably supported between plates F G and means for rotating said drum, in combination with struts or posts for holding said plates in suitable relation to one another, one of said struts being firmly secured between said plates by having its ends inserted in recesses formed in said plates, and a tie-bolt extending from one plate to another through said strut, said post being provided with means for securely retaining an anchoring-rope at any desired point thereon, whereby the draft caused by the strain of the anchoring-rope may be adjusted at any desired point on said posts, substantially as and for the purpose set forth.

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