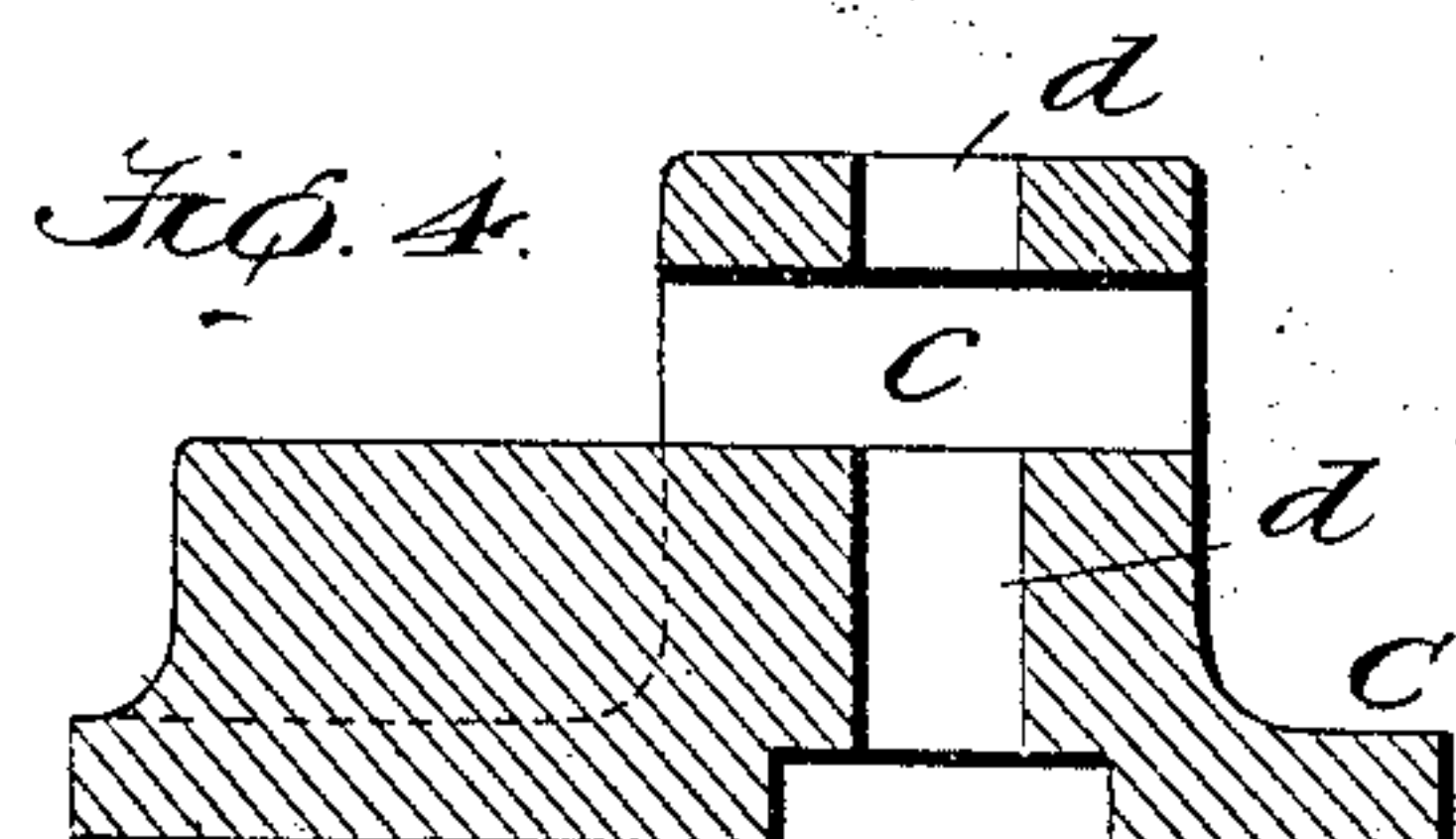
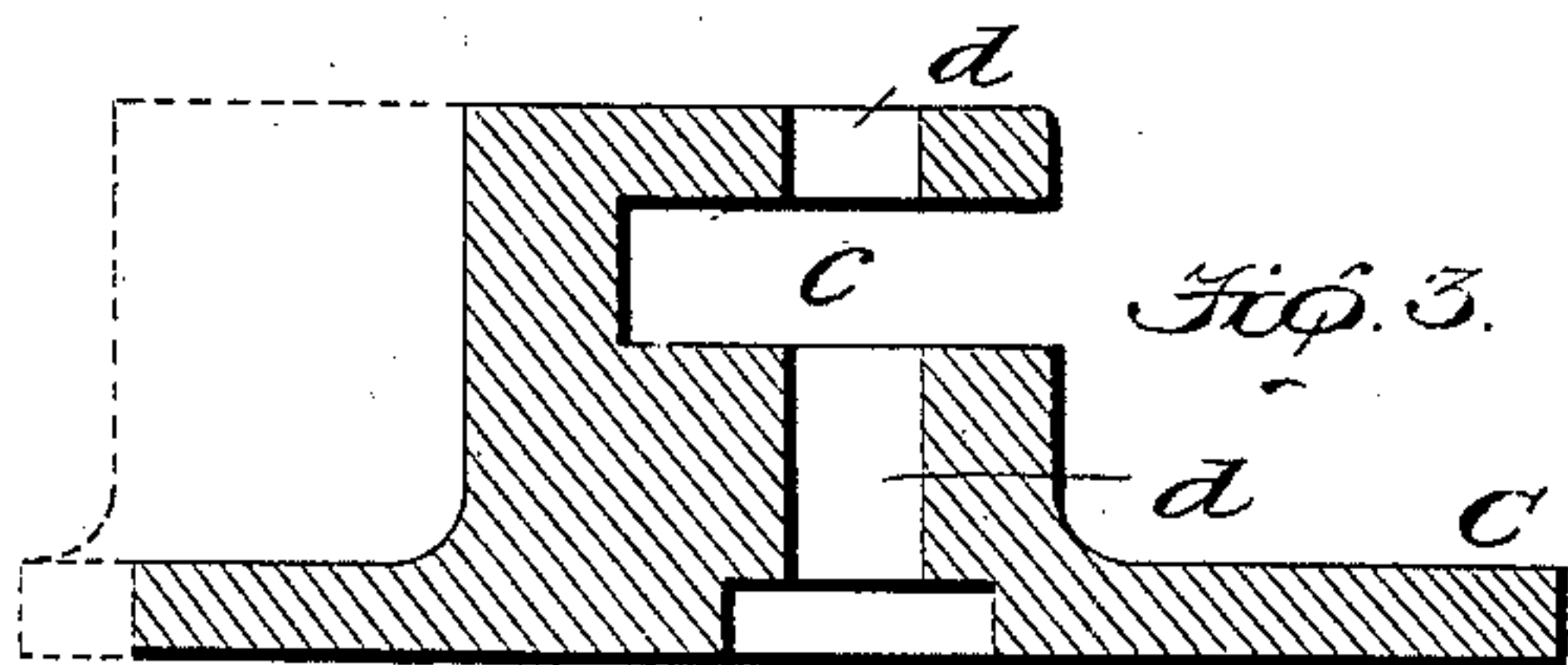
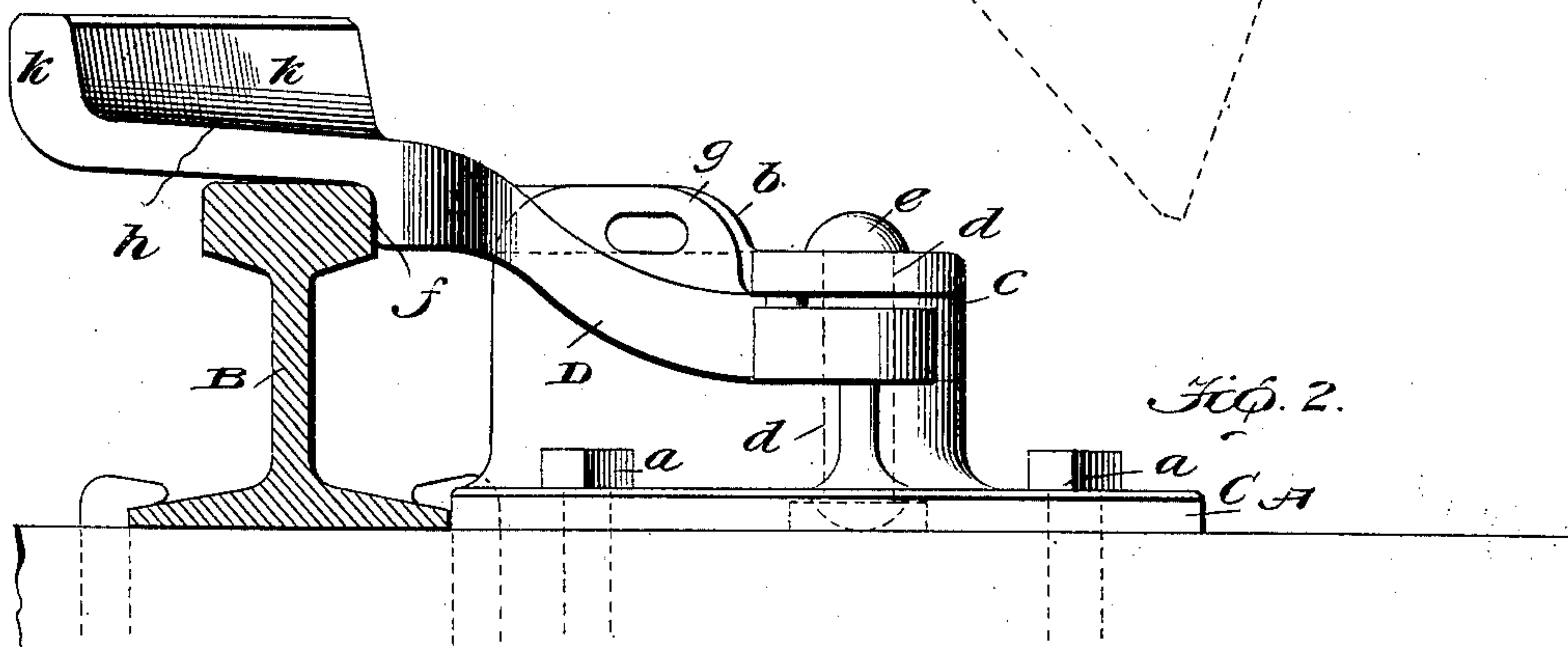
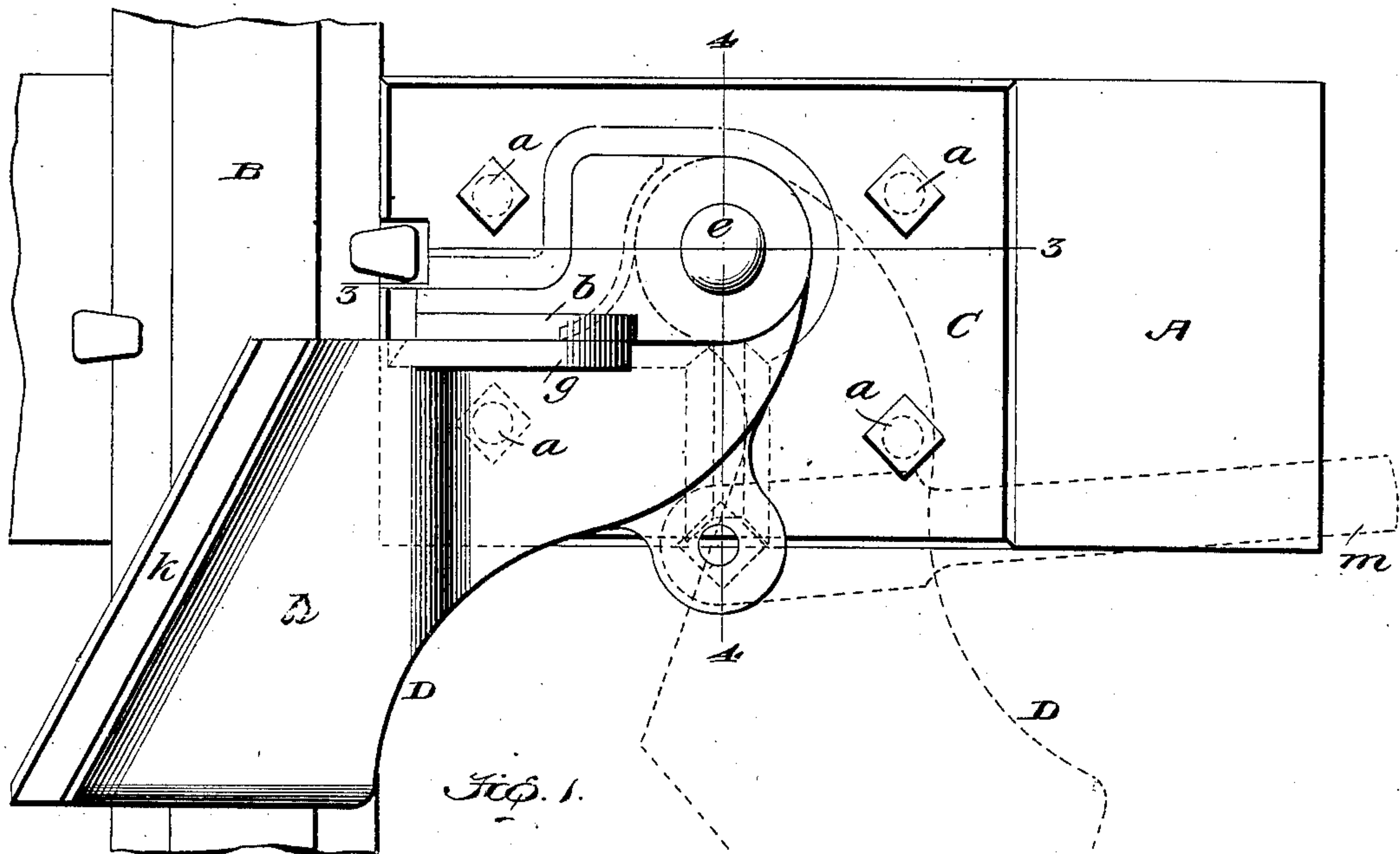


No. 829,446.

PATENTED AUG. 28, 1906.

O. J. TRAVIS.
DERAILING DEVICE.
APPLICATION FILED APR. 26, 1906.



Inventor

Witnesses

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UNITED STATES PATENT OFFICE.

OWEN J. TRAVIS, OF DENVER, COLORADO.

DERAILING DEVICE.

No. 829,446.

Specification of Letters Patent.

Patented Aug. 28, 1906.

Application filed April 26, 1906. Serial No. 313,785.

To all whom it may concern:

Be it known that I, OWEN J. TRAVIS, a citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, have invented new and useful Improvements in Derailing Devices, of which the following is a specification.

My invention pertains to derailing devices; and it has for its object to provide a horizontally-swinging derailing device which is reliable in operation and is so constructed and arranged that it is entirely disconnected from the track-rail except when in position for derailing and does not break the track-rail or in any way interfere with the installation of the same.

The invention will be fully understood from the following description and claims when the same are read in connection with the accompanying drawings, forming part of this specification, in which—

Figure 1 is a top plan view of my improvements with the derailing-tongue shown by full lines in its working position and by dotted lines in its idle position. Fig. 2 is a front elevation of my device with the derailing-tongue in position on the track-rail, which is shown in transverse section. Fig. 3 is a vertical section taken through the stand of the device in the plane indicated by the line 3 3 of Fig. 1; and Fig. 4 is a section of the stand, taken in the plane of the line 4 4 of Fig. 1.

Similar letters designate corresponding parts in all of the views of the drawings, referring to which—

A is a railway-sleeper or tie, and B is a track-rail, the said track-rail being arranged on and connected to the tie in the ordinary manner or any other manner that does not interfere with the installation of my novel device.

C is the stand, and D the horizontally-swinging tongue of the derailing device, both of which are preferably, though not necessarily, constructed of cast-steel. The stand C is attached to the tie A through the medium of ordinary spikes *a* or other means compatible with the purpose of my invention and is provided with an upwardly-reaching apertured lug *b* and also with a horizontal bifurcation *c*, in the upper and lower walls of which are alined vertically-disposed apertures *d* to receive the bolt *e*, through the medium of which the tongue D is pivotally connected to the stand.

The tongue D is preferably in one piece

and comprises a shoulder *f*, arranged to bring up against the outer side of the rail-head, an upwardly-reaching apertured lug *g*, designed, together with the stand-lug *b*, to receive the bow of a padlock when the tongue is locked in its operating position, a face *h*, which declines outward with reference to the rail A, and a rib *k*, which extends from the inside of the rail-head to the outside of the same, Figs. 1 and 2, and is therefore designed to operate after the manner of a switch or turnout and successfully derail rolling-stock when the same is forced against or over it. The said tongue D may be operated by the direct application of the hand or it may be thrown from a switch-stand through the medium of a rod *m*. (Shown by dotted lines in Fig. 1.)

In the practical use of my novel device it will be observed that when the tongue D is thrown to the position shown by dotted lines in Fig. 1 it leaves the track-rail B continuous and unbroken and free of obstruction. It will also be observed that when the tongue D is thrown against and over the head of the rail it constitutes an efficient and reliable derailing means; and it will be observed that the tongue D may be locked in the last-mentioned position by simply securing the bow of a padlock in the apertured lugs *b* and *g* of the stand and tongue, respectively.

It will be apparent from the foregoing that my improvements are simple and well adapted to withstand the rough usage to which derailing devices are ordinarily subjected, and it will also be apparent that the improvements may be applied adjacent to rails such as at present in use without in any way affecting the fastening of the rail.

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

1. In a derailing device, the combination of a rail, a stand having a lug, and a derailing-tongue pivoted to the stand and arranged to swing on and off the rail and having a lug arranged to bring up against that of the stand and adapted to be detachably connected to the latter lug.

2. In a derailing device, the combination of a rail, a stand having an upright lug, and a derailing-tongue pivoted to the stand and arranged to swing horizontally on and off the rail and having an upright lug arranged to bring up against that of the stand and adapted to be detachably connected with the latter lug.

3. In a derailing device, the combination
of a rail, a stand having a lug, and a horizon-
tally-swinging derailing-tongue pivoted to
the stand and having a lug movable away
5 from and toward the first-mentioned lug and
adapted when the tongue is over the rail to
bring up against said lug.

4. In a derailing device, the combination
of a rail, a stand having an upright lug, and a
10 derailing-tongue formed of one piece and con-
nected by a vertical pivot to the stand to
swing horizontally on and off the rail and
having a face which declines outward with
reference to the rail and a rib which extends

obliquely from the inside of the rail to the 15
outside thereof and also having an upright
lug movable away from and toward the first-
mentioned lug and adapted when the tongue
is over the rail to bring up against the same
and be connected therewith. 20

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

OWEN J. TRAVIS.

Witnesses:

F. L. EMERY,
D. BLAIR.