

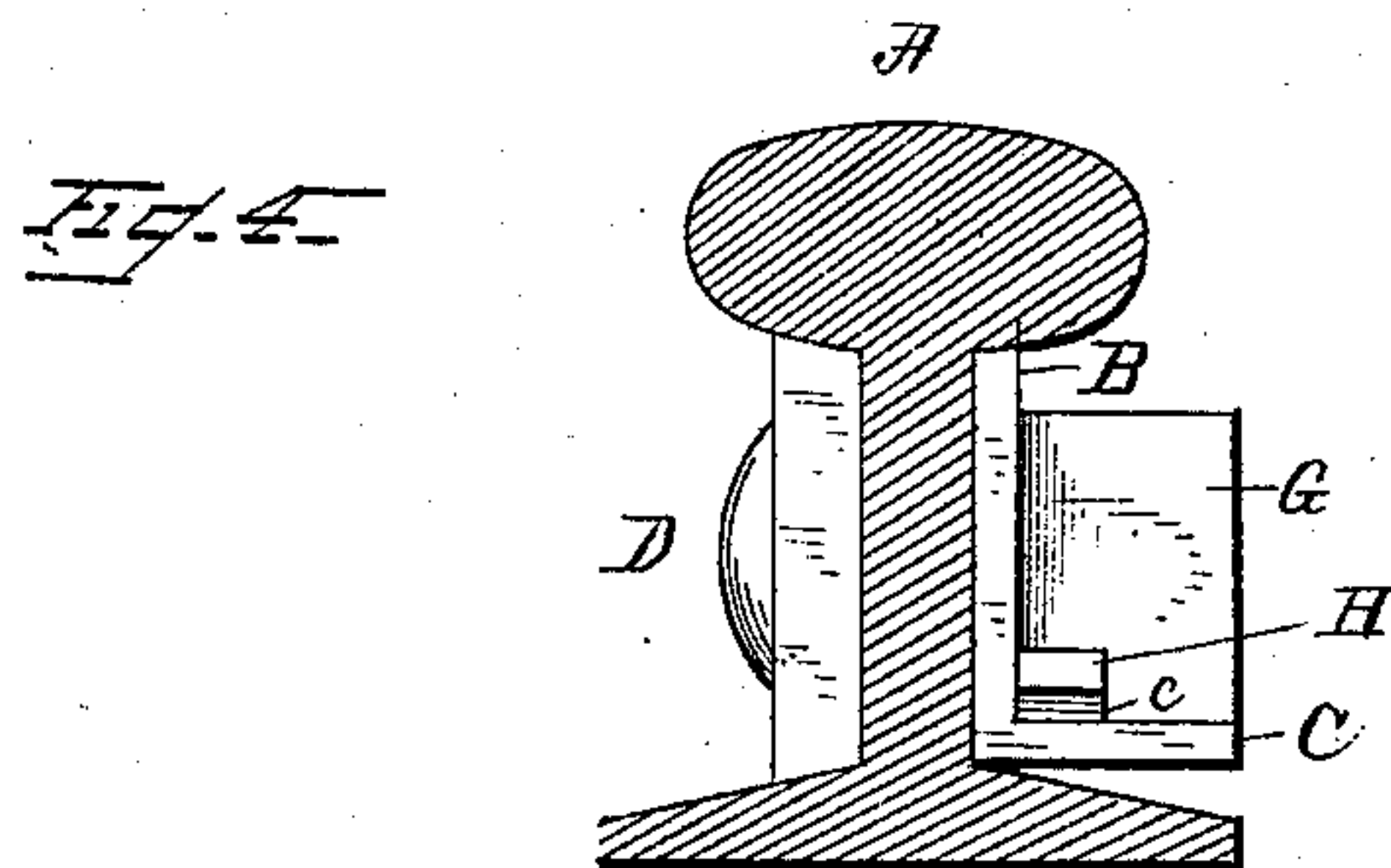
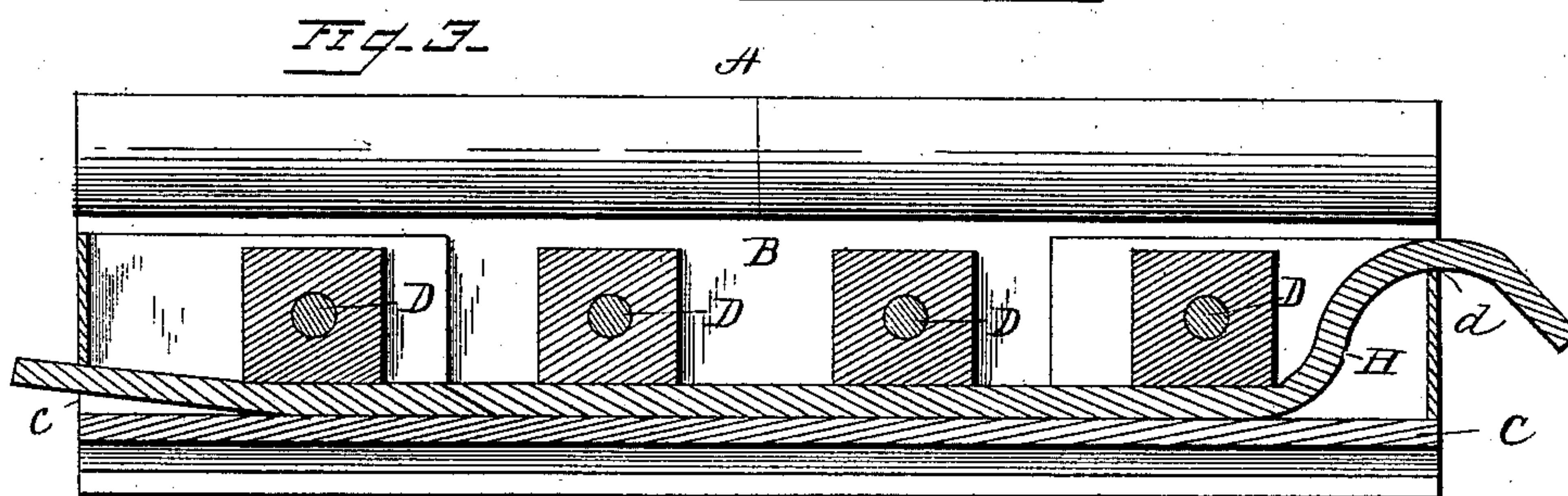
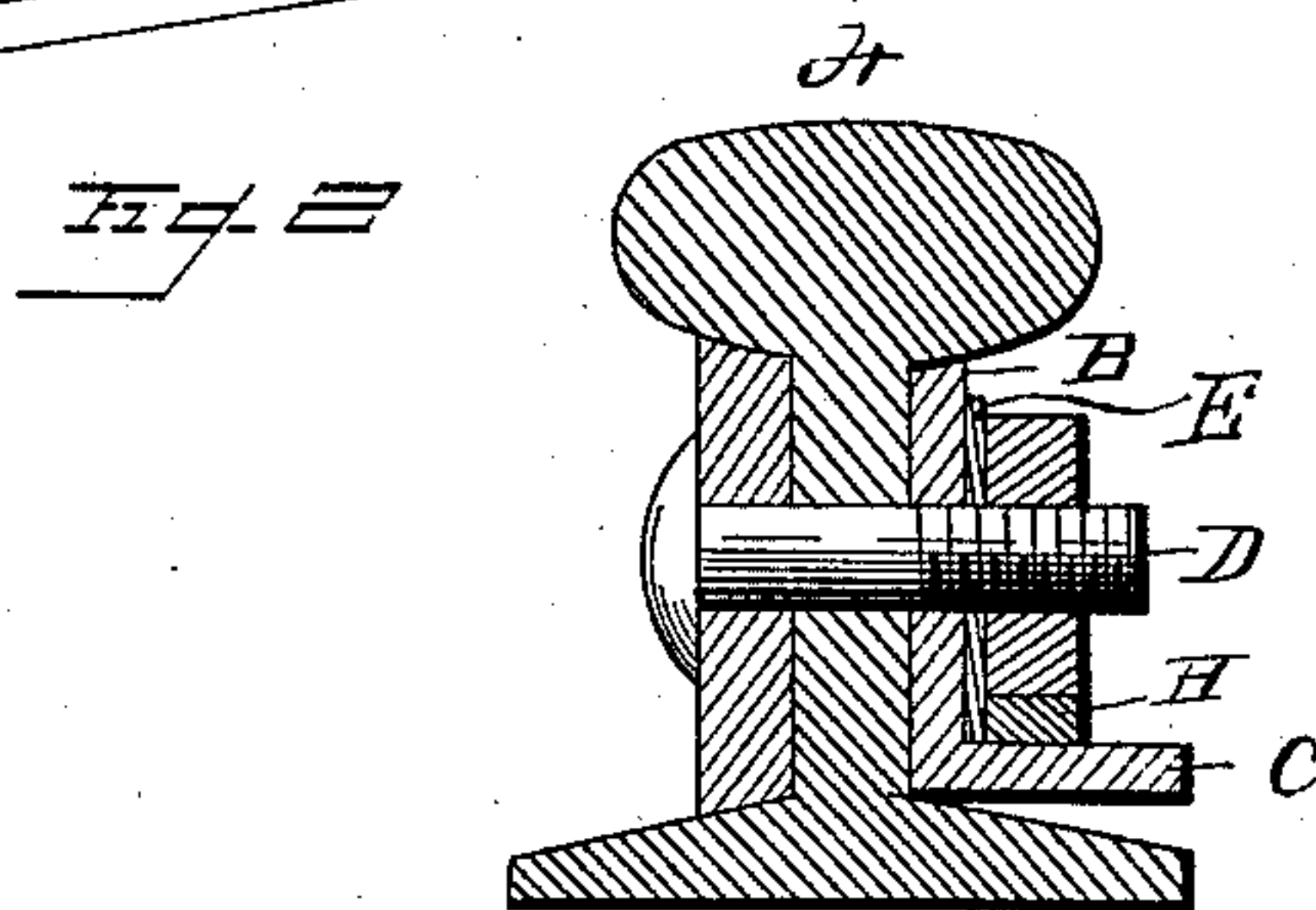
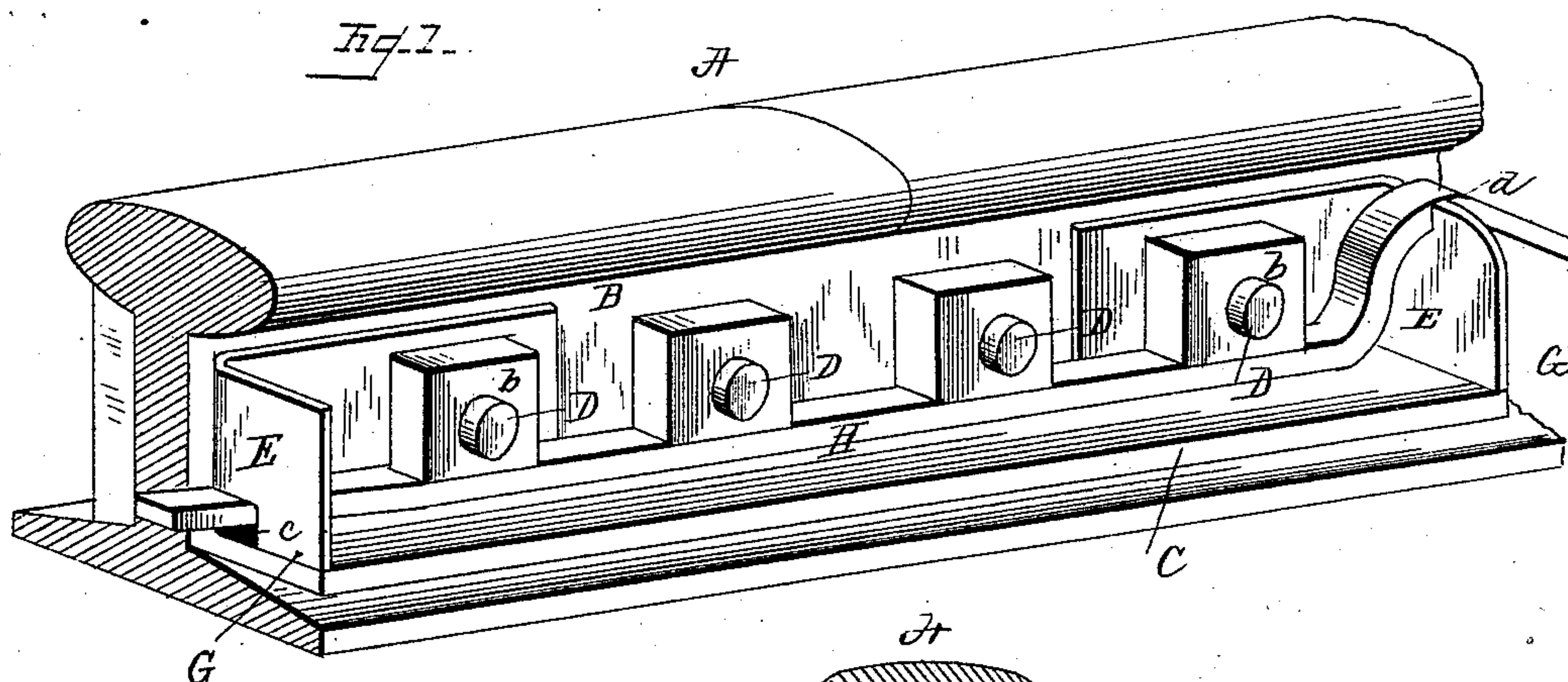
(No Model.)

M. F. DILLON.

NUT LOCK.

No. 301,870.

Patented July 15, 1884.



WITNESSES

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UNITED STATES PATENT OFFICE.

MILLARD FILLMORE DILLON, OF GILLESPIE, ILLINOIS.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 301,870, dated July 15, 1884.

Application filed April 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, MILLARD F. DILLON, a citizen of the United States, residing at Gillespie, in the county of Macoupin and State of Illinois, have invented a new and useful Nut-Lock, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to nut-locks; and it has for its object to provide a device of this character which shall possess superior advantages in point of simplicity, durability, and general efficiency.

With these ends in view the invention consists in the combination, with a fish-plate of novel construction, of locking-plates and a locking-bar.

In the drawings, Figure 1 is a perspective view of a nut-lock constructed in accordance with my invention. Fig. 2 is a transverse section of the same. Fig. 3 is a longitudinal section, and Fig. 4 is an end elevation.

In the accompanying drawings, in which like letters refer to corresponding parts in the several figures, A represents the rail-sections to be connected together, the same being provided with suitable openings for the passage of the securing-bolts.

B represents the fish-plate, which is located on the outer sides of said rail-sections, to connect the joint thereof. This fish-plate is provided at its lower end with an outturned portion or flange, C, and is provided with suitable openings, which register with the openings of the said rail-sections.

D represents the securing-bolts, which are adapted to pass through the openings of the rail-sections and of the fish-plate, which, as before mentioned, register with one another, and of which there can be as many as may be desired or found necessary. Upon the two end securing-bolts of each section are provided locking-plates E, which are held in position upon said bolts by means of nuts b. These locking-plates E are provided at their outer ends with outwardly-extending flanges G G', the flange G being provided with a notch or recess upon its under side, while the flange of the adjacent locking-plate is provided with a similar notch or recess on its upper side.

H represents the locking-bar, one end of

which is inserted in the notch or recess of the flange G, and which rests upon the flange C of the fish-plate B, and bears against the securing-nuts upon their undersides. The other end of the locking-bar H is bent upwardly and engaged with the notch or recess of the flange G'. The end may be then bent downwardly to secure the same. The bolts are first passed through the usual openings in the rail and the fish-plate. The locking-plates E are then adjusted upon the bolts, and the nuts placed on said bolts and tightened. The locking-bar is then inserted, one end through the opening c of the flange of one locking-plate, and then passed below the under side of the nuts, and rests upon the flange C. The other or bent end is forced upwardly and slid into the slot d in the flange G' of the other locking-plate.

By this construction of nut-lock it will be readily seen that all possibility of the nuts becoming loose, and their consequent detachment, is prevented.

It will be further apparent that my improved nut-lock is simple in its construction, readily applied, and that it affords effective and serviceable means for the purposes for which it is designed.

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

1. In a nut-lock, the combination, with a fish-plate provided at its lower end with an outwardly-extending flange, of locking-plates adapted to be secured upon the securing-bolts, said locking-plates being provided at their outer ends with flanges, and a locking-bar adapted to engage the same, substantially as set forth.

2. In a nut-lock, the combination, with a fish-plate provided at its lower end with an outwardly-extending flange, of locking-plates mounted upon the securing-bolts and provided at their outer ends with outwardly-projecting flanges, one of said flanges being provided with a notch or recess upon its under side, while the other flange is provided with a similar notch or recess upon its upper side, and a locking-bar adapted to engage the same, as set forth.

3. In a nut-lock, the combination, with a

fish-plate provided at its lower end with an
outwardly-extending flange, of locking-plates
provided at their outer ends with outwardly-
extending flanges, one of which is provided
5 with a notch or recess upon its upper side,
while the other is provided with a similar
notch or recess upon its under side, and a
locking-bar, one end of which is inserted and
bears in the slot formed upon the under side
10 of one of said flanges, resting upon the out-
wardly-extending flange of the fish-plate, to

secure the nuts against displacement, its oth-
er end being bent upwardly to engage the
notch or recess of the other flange, as set forth.

In testimony that I claim the foregoing as 15
my own I have hereto affixed my signature in
presence of two witnesses.

MILLARD FILLMORE DILLON.

Witnesses:

J. H. WILLARD,

WM. LOVE.