

J. Tucker,

Cable Stopper.

No. 26,722.

Patented Jan. 3, 1860.

Fig. 1.

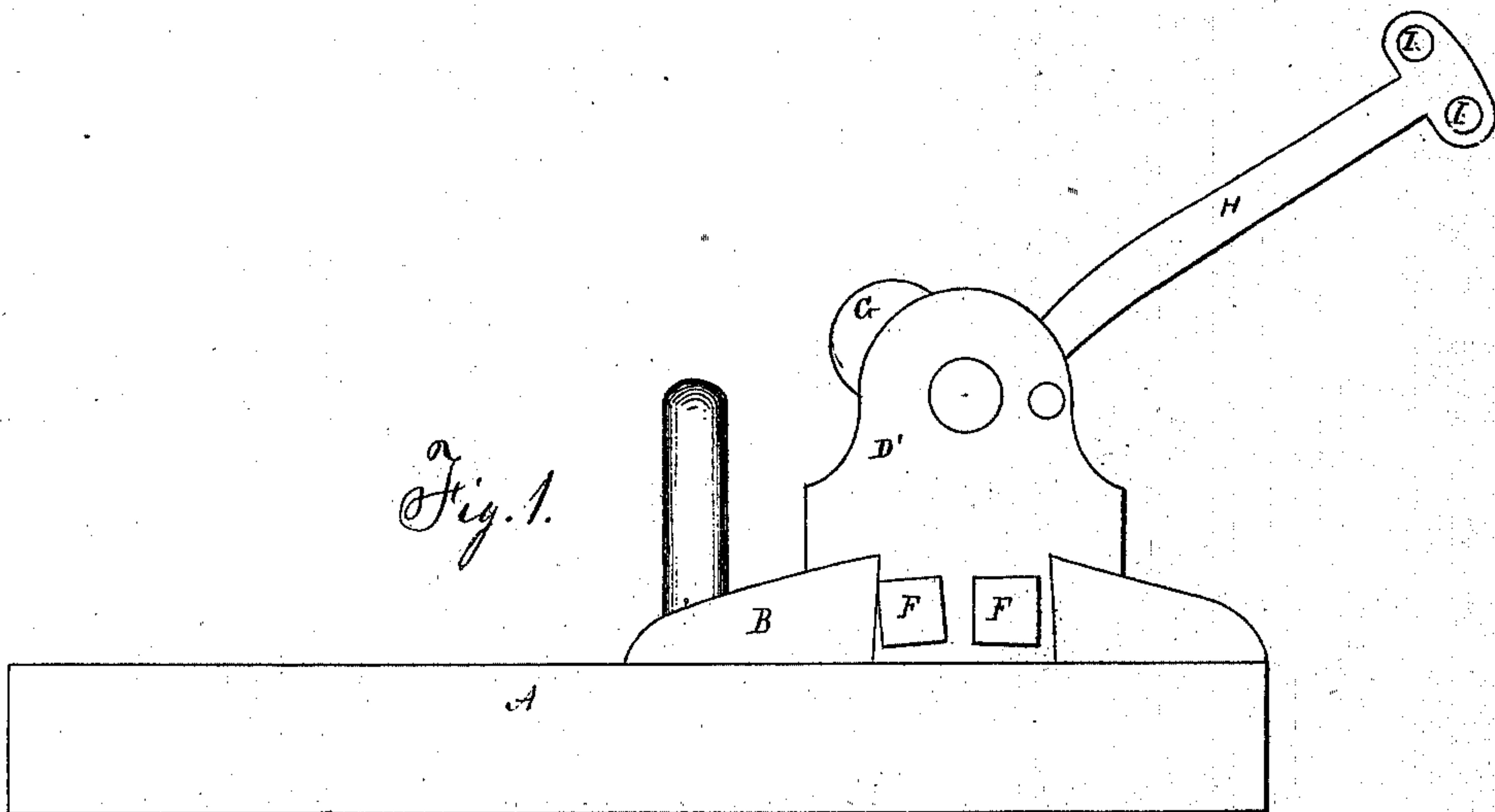


Fig. 2.

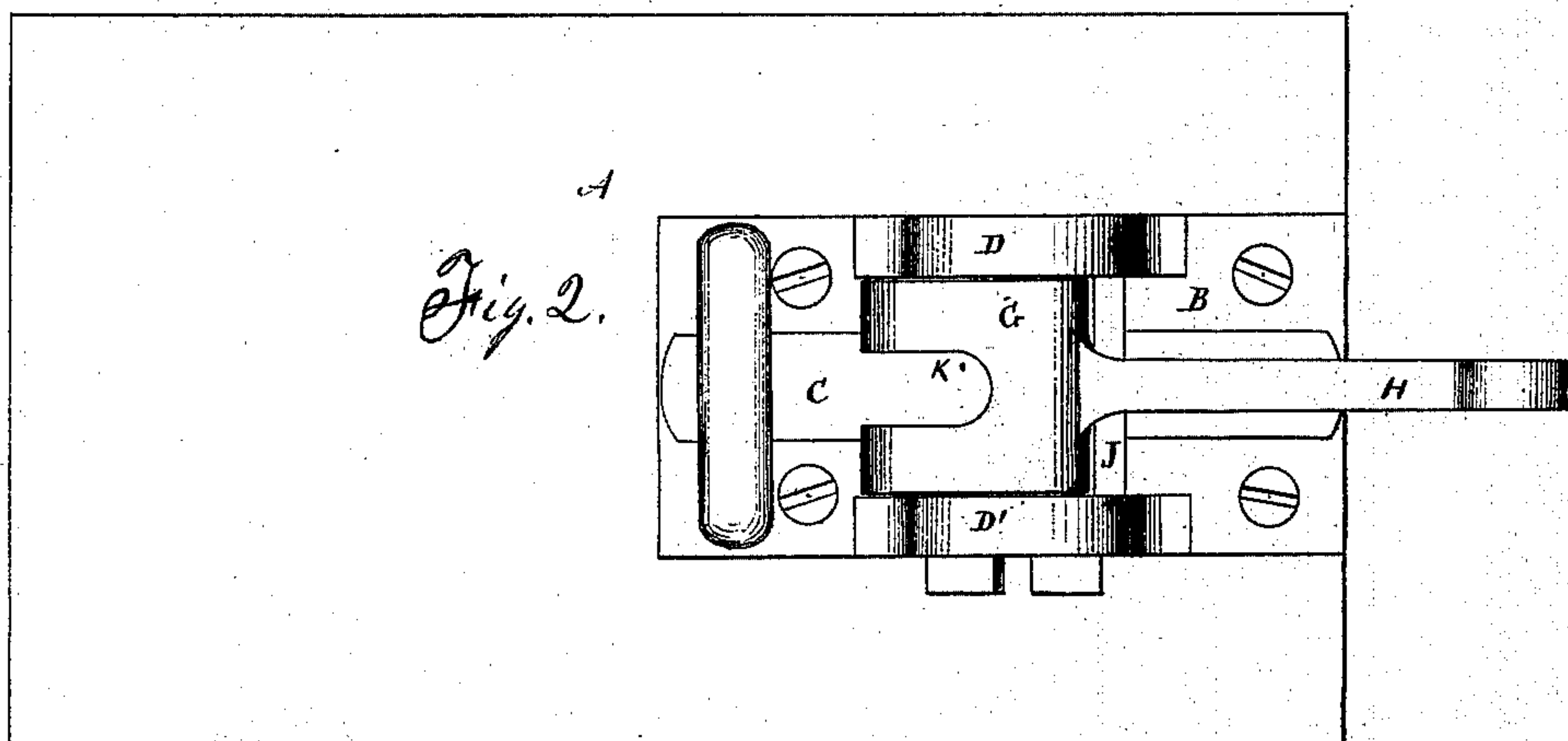
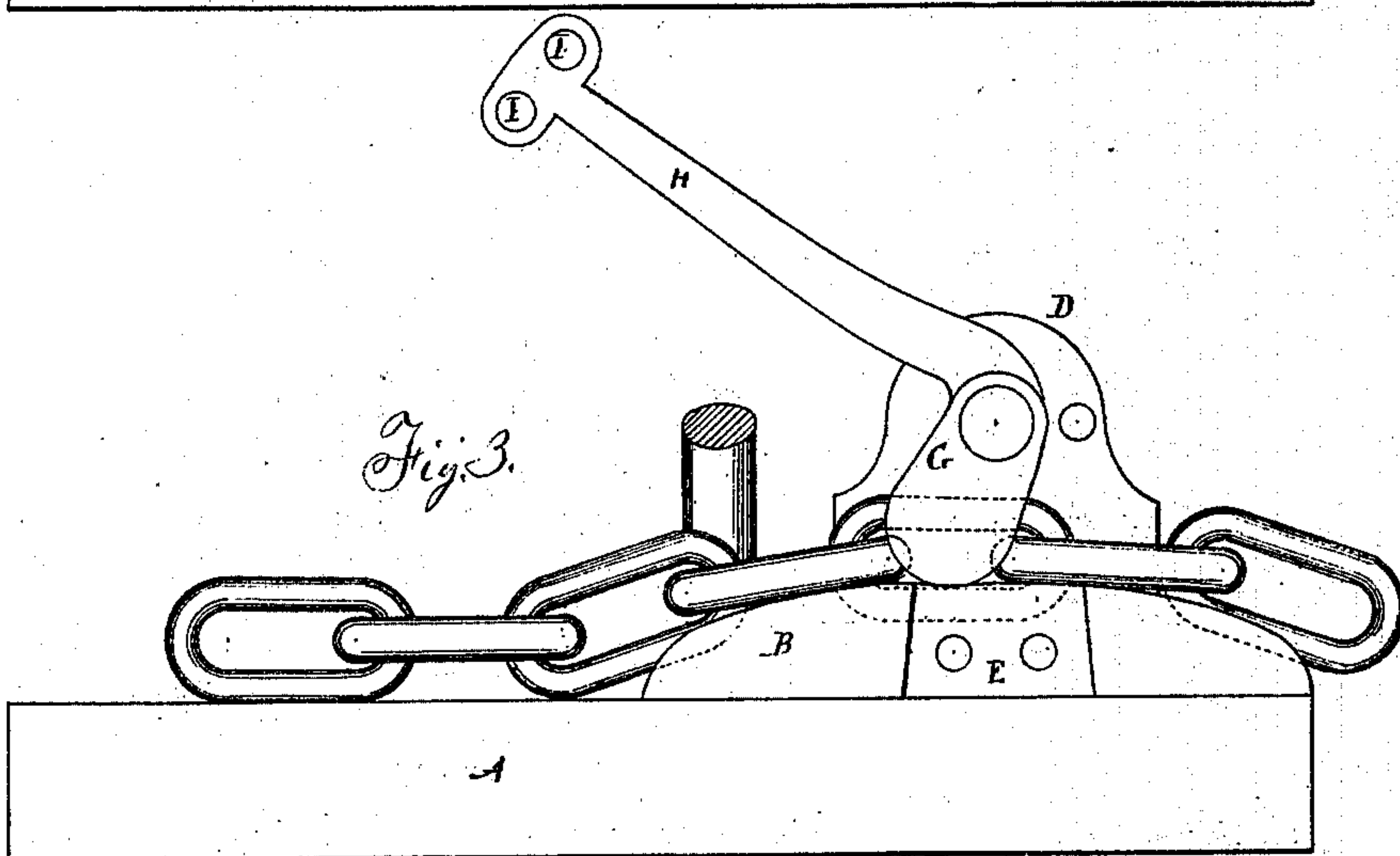


Fig. 3.



Witnesses
J. Dennis Jr.
2d Clerk

James Tucker

UNITED STATES PATENT OFFICE.

JAMES TUCKER, OF WASHINGTON, DISTRICT OF COLUMBIA.

STOPPER FOR CHAIN CABLES.

Specification of Letters Patent No. 26,722, dated Janury 3, 1860.

To all whom it may concern:

Be it known that I, JAMES TUCKER, of the city and county of Washington and District of Columbia, have invented a new and useful Chain-Stopper for Chain Cables; and I do hereby declare that the same is described and represented in the following specification and drawings.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation, referring to the drawings, in which the same letters indicate like parts in each of the figures.

Figure 1, is an elevation of one side of my improved chain cable stopper. Fig. 2, is a plan or top view. Fig. 3, is a side elevation with one of the cheeks or stands removed so as to show the position of the chain in the stopper.

The nature of my improvement in chain cable stoppers consists in a grooved stock or base with a scored pawl and guiding staple or ring to guide the chain into the groove in the stock.

In the accompanying drawings of my improved chain cable stopper A, represents a portion of the deck of a vessel to which the bed or stock B, is firmly fastened by bolts or otherwise. This bed B, of the stopper is made of cast iron with a groove C, lengthwise through its upper side and deep enough in the center for that portion of the link to lie in which stands edgewise and projects below the underside of the link that lies flatwise on the surface of the bed as shown by dotted lines in Fig. 3, of the drawings; so that as the lower edges of the links of the chain which stand edgewise are drawn through the groove the underside of the links that lie flatwise are drawn on the bed as shown in Fig. 3.

When the bed is cast of iron the cheek D, is cast with it in the form shown in the drawing, and the dovetailing score E, is cast in the opposite side of the bed B, from the cheek D, for the shank of the cheek D',

which is made dovetailing to fit the score E, in the bed and fastened in the score by the screw bolts F, F. These cheeks D, D', are perforated for the journals or pivots of the pawl or locking block G, which is made of wrought iron in the form shown in the drawing and provided with an arm H, by which it is worked, which arm is perforated, as shown at I, I, for the purpose of applying ropes or chains to it, to mark it, to stop and release the chain cable running through the stopper. The cheeks D, D', are also perforated, for the ends of the bar J, which prevents the arm H, from falling over onto the chain, when the pawl G, is raised to release the chain.

There is a score K, across the end of the pawl G, which score is made so wide and deep as to allow the end of the pawl to pass down each side or astride of the link that stands edgewise, and between the links that lie flatwise as shown in Fig. 3, so that the ends of the pawl come in contact or against the top of the bed between the links of the chain which lie flatwise, and stop and hold it fast until the pawl is raised again to release it. The cheek D', is omitted in Fig. 3, to show the pawl on the chain.

The staple L, is fastened into the bed B, to guide the chain properly into the stopper, and I contemplate that two pins, either with, or without rollers on them may be used for the same purpose.

I believe I have described and represented the improved chain cable stopper which I have invented, so as to enable any person skilled in the art to make and use it. I will now state what I desire to secure by Letters Patent to wit.

I claim the guiding staple or ring in combination with the grooved stock and scored pawl, arranged to operate substantially as described.

JAMES TUCKER.

Witnesses:

J. DENNIS, Jr.,
JAS. CALL.