

(No Model.)

2 Sheets—Sheet 1.

W. H. MURPHY.

CARTRIDGE LOADING CASE.

No. 343,836.

Patented June 15, 1886.

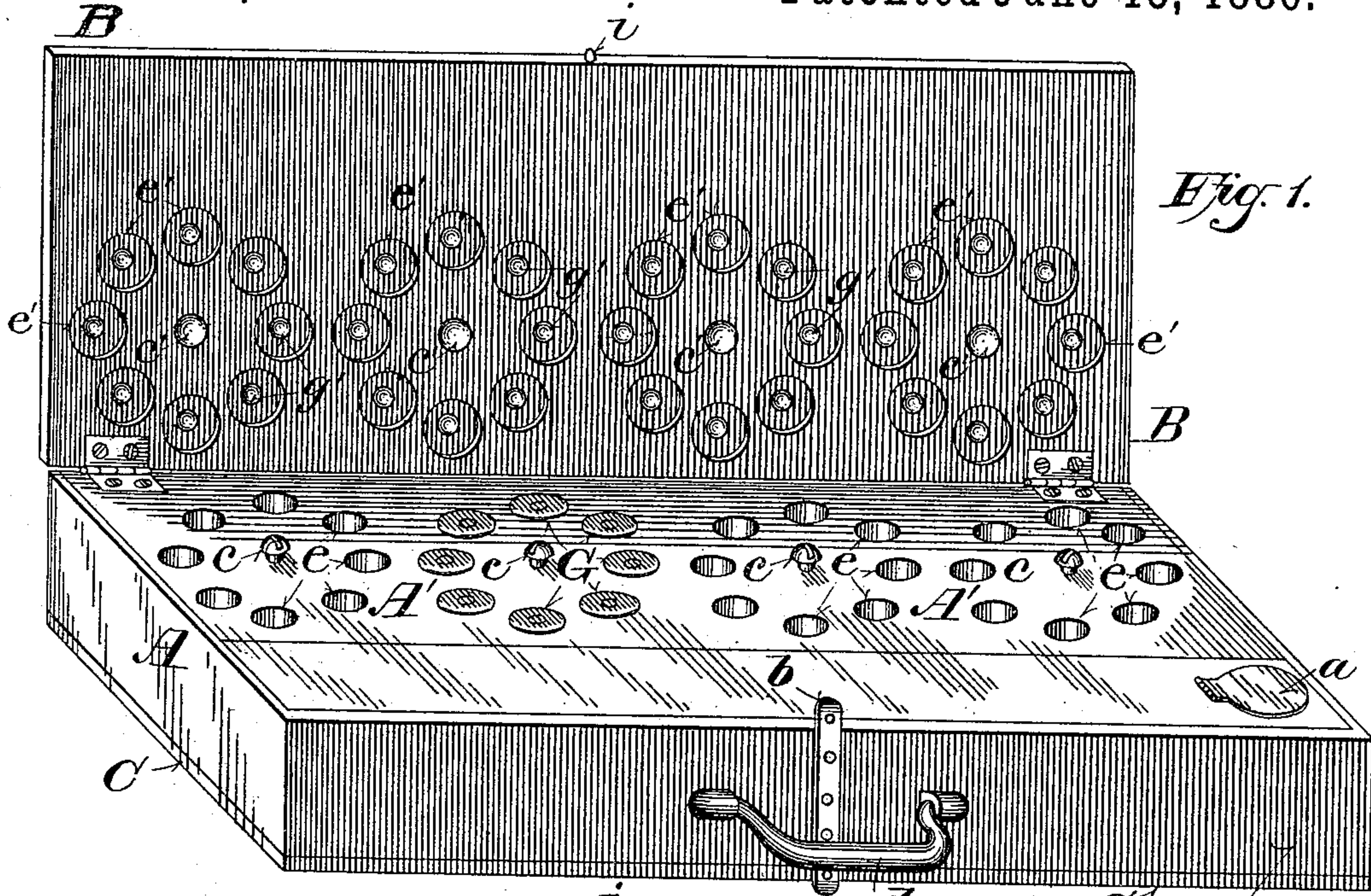


Fig. 1.

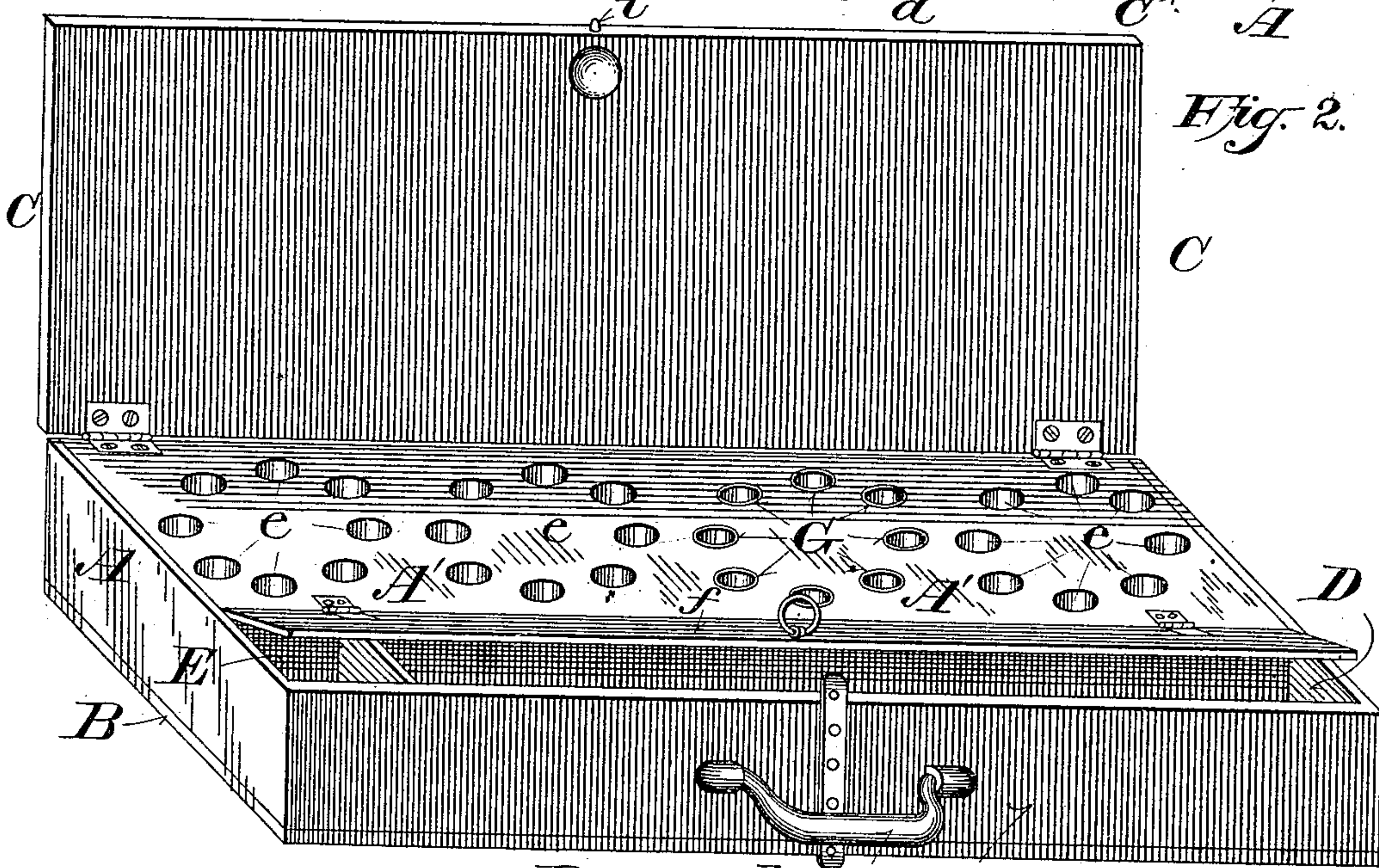


Fig. 2.

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Fig. 3.

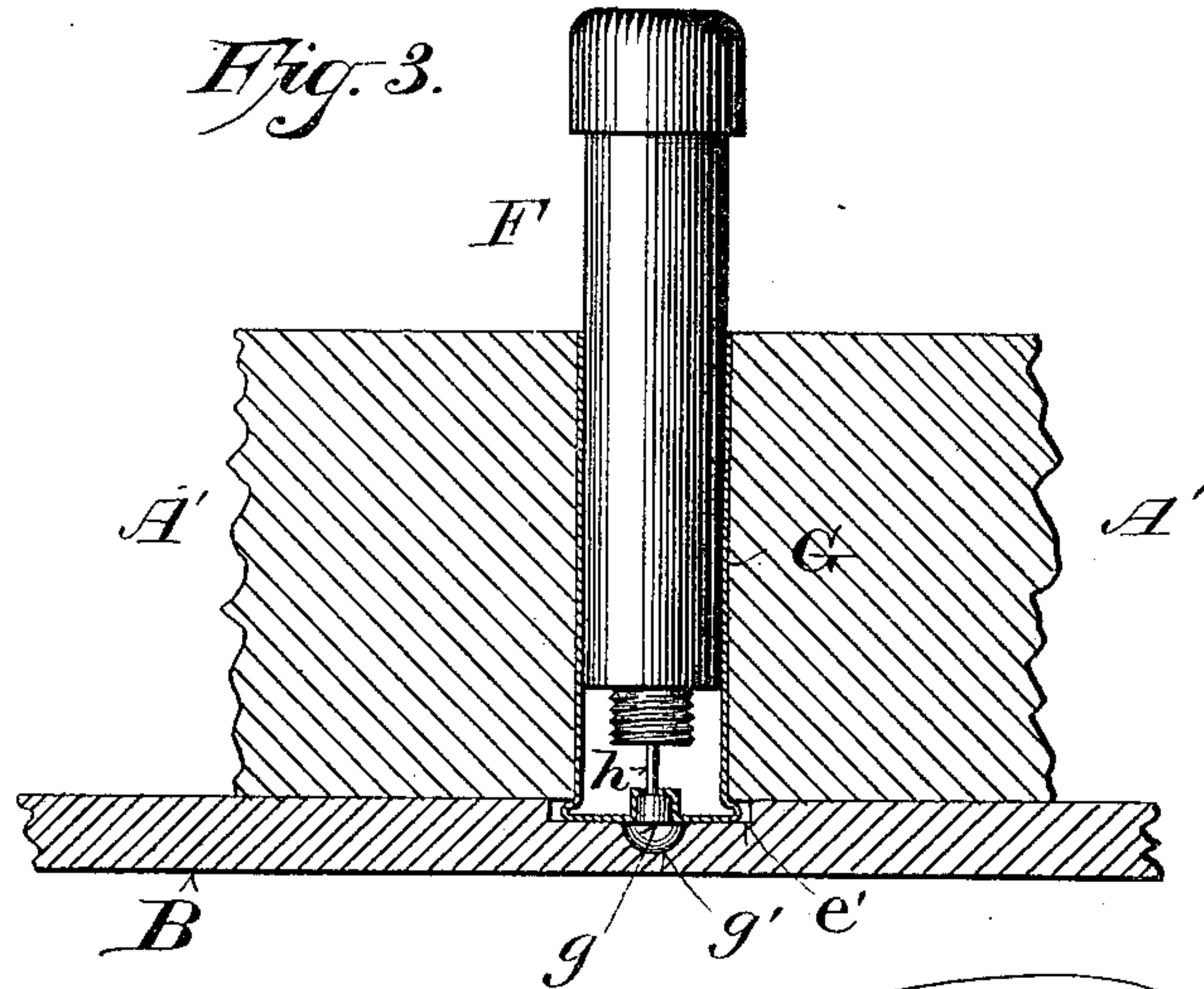


Fig. 4.

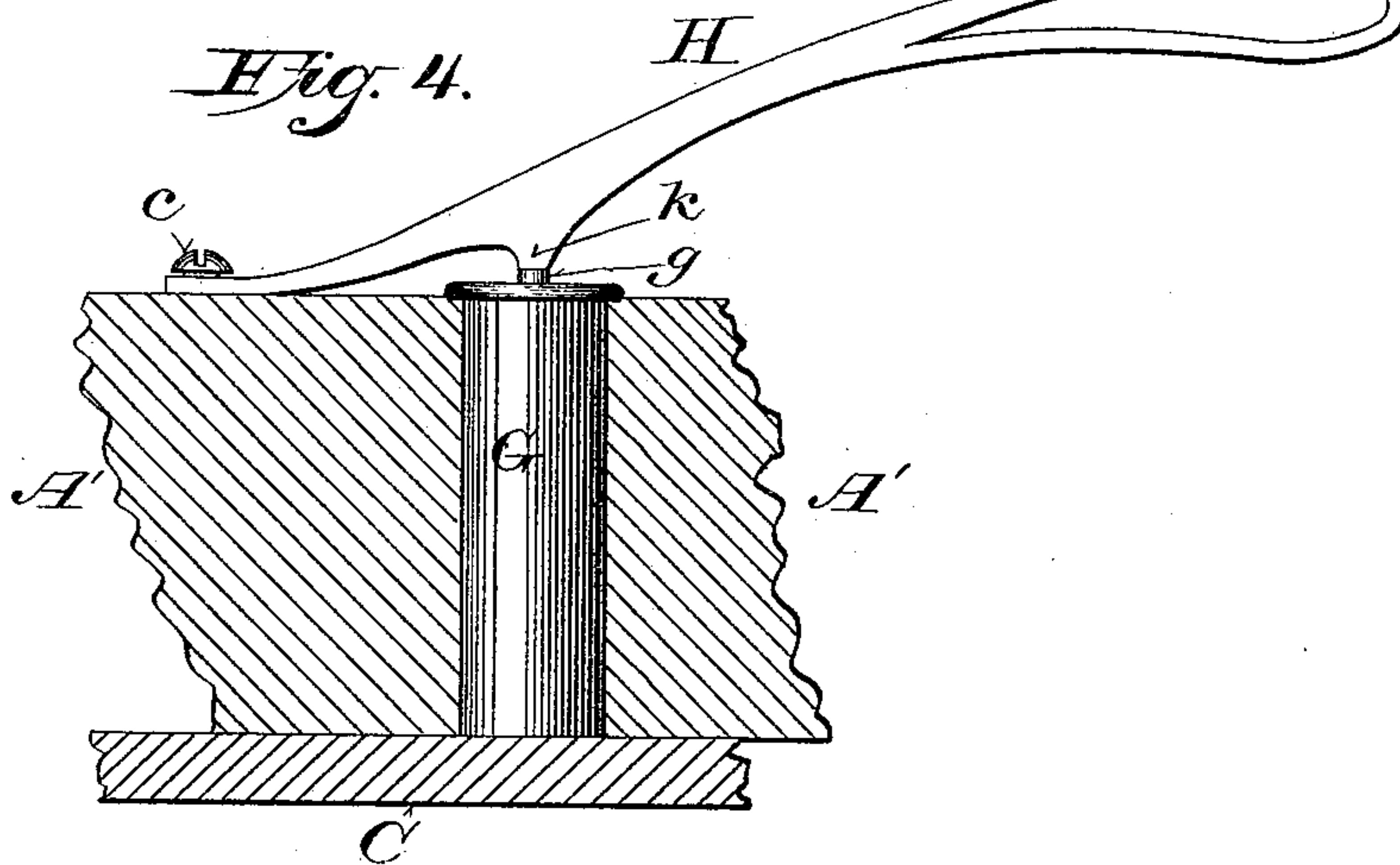
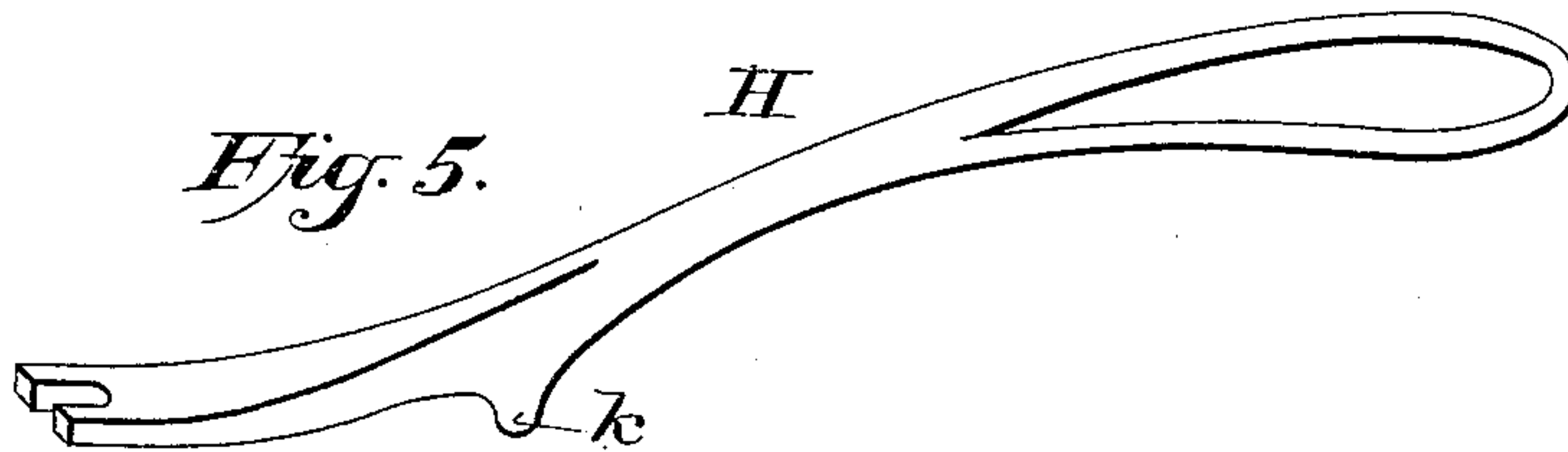


Fig. 5.



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UNITED STATES PATENT OFFICE.

WILLIAM H. MURPHY, OF FOX LAKE, WISCONSIN.

CARTRIDGE-LOADING CASE.

SPECIFICATION forming part of Letters Patent No. 343,836, dated June 15, 1886.

Application filed June 27, 1885. Serial No. 169,932. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. MURPHY, of Fox Lake, in the county of Dodge and State of Wisconsin, have invented certain new and useful Improvements in Cartridge Cases and Loaders; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates particularly to that part of a sportsman's equipment employed for charging, recharging, and transporting cartridges; and it consists, essentially, of a transversely-perforated block forming a receptacle and holder for cartridges or cartridge-shells, and provided upon its opposite sides with two lids or covers, by means of which the ends of the perforations through said block may be opened or closed.

Its objects are, first, to facilitate the operation of charging and recharging the cartridge-shells, and, second, safe and convenient means of transporting the cartridges.

In the accompanying drawings like letters refer to the same parts in the several figures.

Figure 1 is a perspective view of my improved case and loader with one lid open, disclosing the cap ends of the cartridges or shells, and these several individual receptacles therefor. Fig. 2 is a like view of the reverse side of the same, disclosing the open ends of the cartridge-shells and the openings or receptacles therefor. Fig. 3 is a sectional detail of a portion of said case and a cartridge-shell, showing the cap-punch and illustrating the method of removing the cap-blanks from the shells. Fig. 4 is a like view showing the capping-tool and illustrating the method of capping the cartridges, and Fig. 5 is a perspective view of the capping-tool.

A' is a block incased in a suitable frame or box, A, and provided with a number of openings or perforations, *e e*, of the proper size and shape to receive the cartridge-shells individually, and preferably arranged in circular groups, as shown in Figs. 1 and 2.

B is a lid or cover hinged to the lower edge of the case and formed on its inner face with a number of shallow circular depressions, *e' e'*, arranged in circular groups corresponding with the arrangement of the perforations *e e* in block A', so as to receive the ends or heads of the cartridge-shells and retain the same in place when said lid is closed. The several depressions *e' e'* have small central wells, *g' g'*, which, when said lid B is closed, come adjacent to the caps in the cartridges and prevent contact of said lid therewith, and the consequent danger of exploding said cartridges. These central wells, *g' g'*, also form receptacles for catching the cap-blanks punched, as shown in Fig. 3, from the discharged shells.

c c are screw heads or knobs secured in or to block A', one at the center of each group of perforations *e e* on the side of the case adjacent to lid B, which has on its inner face a number of correspondingly-located depressions, *c' c'*, to receive said screw-heads *c c*, and thus permit the closing of said lid. In the same side of the case a cap-box, *a*, is formed and conveniently located for capping the cartridges.

H is the capping-tool, Figs. 4 and 5, formed of any suitable material—such as iron, steel, or brass—with a bifurcated toe to engage with the screw heads or knob *c c*, and a projection or heel, *k*, at the proper distance therefrom to engage with the caps of the cartridges in the several perforations *e e* disposed in circles about said central screw-heads.

C is a lid hinged like lid B to the lower edge or side of the case, and arranged to fold over and close and protect the open ends of the cartridges or cartridge-shells on the side of the case opposite said lid B, as shown in Fig. 2.

d is a handle attached to the upper side of the case or frame A, for convenience in carrying.

b is a spring-catch applied to the same side of the case, so as to engage with pins *i i* in the edges of lids B and C and retain the latter closed against the sides of block A' and the ends of the perforations *e e* or the cartridges therein. In this side of the case, at or near the top, is formed a tool box or compartment, D, which may be used as a receptacle for extra cartridges or shells, and a wad-box, E, both covered by the lid *f*, hinged to block A'.

F represents a cap-punch, by means of which the cap-blanks are punched from the shells, as shown in Fig. 3.

The exterior of my improved case and loader 5 may be variously formed to suit individual taste and convenience. The tool-compartment and wad and cap boxes may be differently arranged and divided or altogether dispensed with. In short, the details, size, and construction of my improved case and loader may be 10 variously modified without change in the principle of my invention.

The operation or manipulation of my improved device may be briefly described as follows: The lid B is opened and the case, if 15 empty, filled with cartridge-shells G in the manner shown in Figs. 1 and 3. The lid B is then closed, the case inverted, and lid C opened, as shown in Fig. 2, presenting the open ends 20 of said shells, which are charged with powder and shot in the usual manner, the cap-blanks *g g* (if the shells G have been used) having been previously punched therefrom in the manner illustrated in Fig. 3. The lid C is now 25 closed, the case again inverted, and the lid B opened, releasing the cap-blanks *g g* caught during the previous part of the operation in wells *g' g'*. New caps *g g* are then placed by hand in the depressions formed therefor in the 30 several cartridge-shells, and forced into position by the capping-tool H, the forked toe of which is caught on the several screw-heads *c c*, about which it is swung, while the heel *k* is brought successively in contact with the several caps in each group of cartridges in the 35 manner illustrated in Fig. 4.

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

1. The combination, in a cartridge case and 40 loader, of the block A', having transverse perforations *e e*, arranged in a circle, pin *c*, attached to said block A' at the center of said circle, and capping-tool H, adapted to engage with said pin *c*, swing about the same, and 45 bear against the caps of the cartridges in the several perforations *e e*, substantially as and for the purposes set forth.

2. The combination of the case or block A', having transverse perforations or individual 50 cartridge-receptacles *e e*, lid B, hinged to said case, and having on its inner face depressions *e' e'*, to receive the heads of the cartridges or shells, and lid C, hinged to the opposite side of said case, substantially as and for the pur- 55 poses set forth.

3. The combination, with the transversely-perforated block or case A', of the lids B and C, hinged thereto on opposite sides, so as to close the ends of the perforations in said block, 60 said lid B having on its inner face small wells *g' g'*, to prevent contact between said lid and the cartridge-caps, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my 65 own I affix my signature in presence of two witnesses.

WILLIAM H. MURPHY.

Witnesses:

ARIE BANTA,
JERRY MURPHY.