

(No Model.)

H. C. STROUT.
BARREL CLOSURE.

No. 451,415.

Patented Apr. 28, 1891.

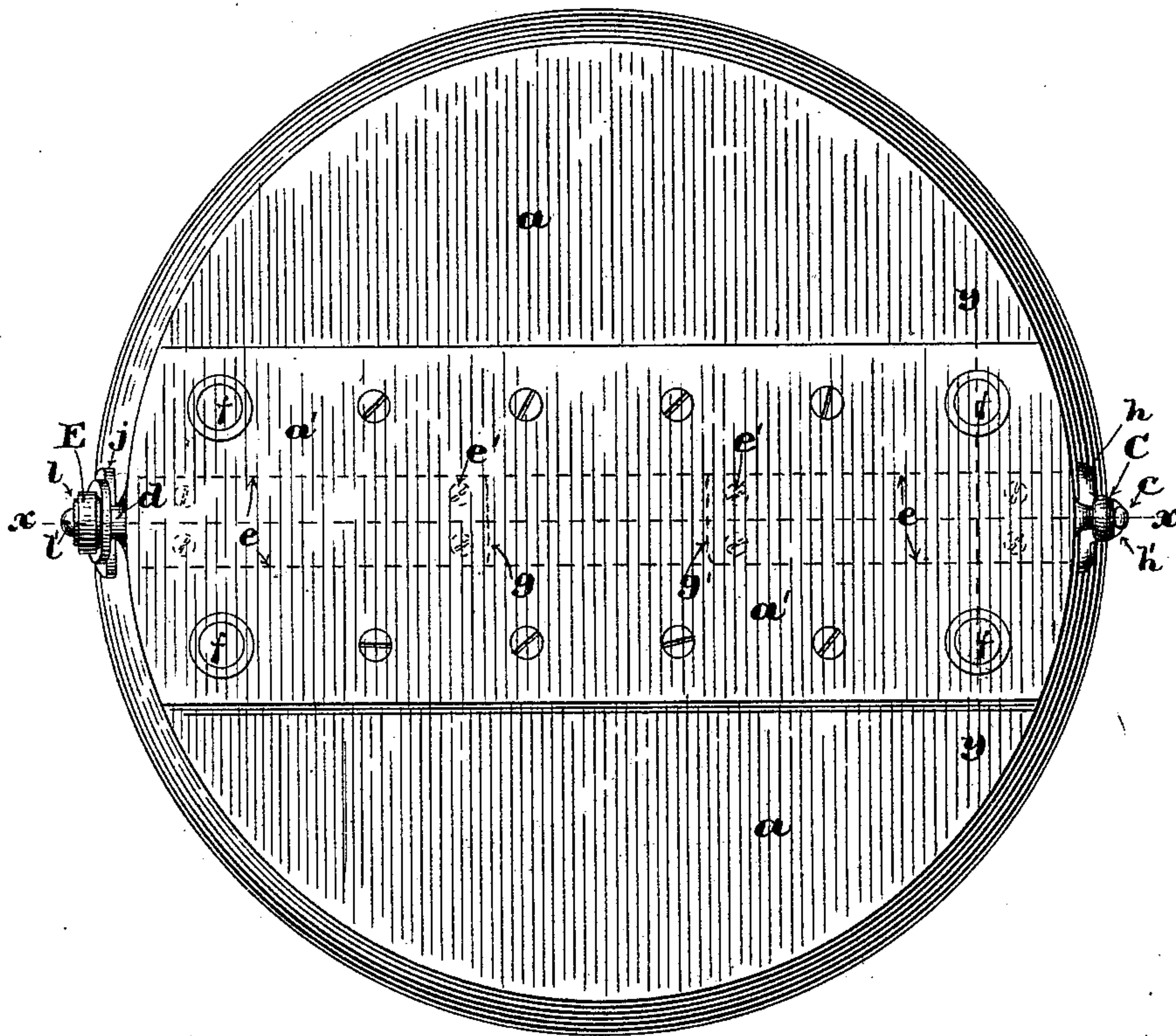


Fig. 1.

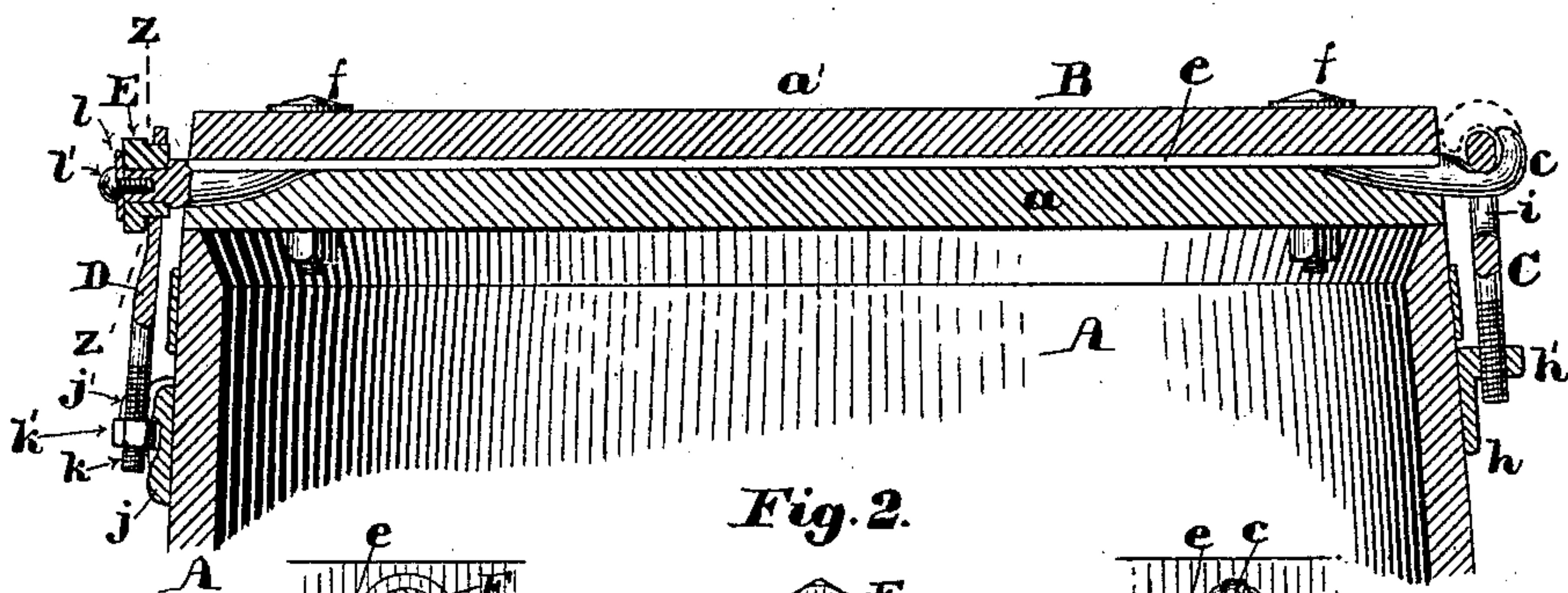


Fig. 2.

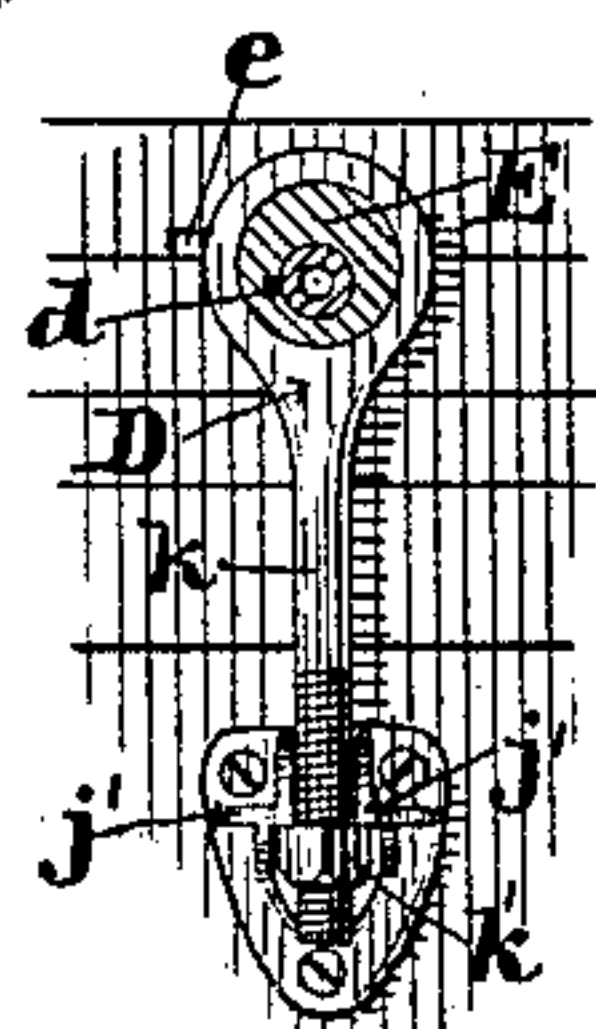


Fig. 5.



Fig. 6.

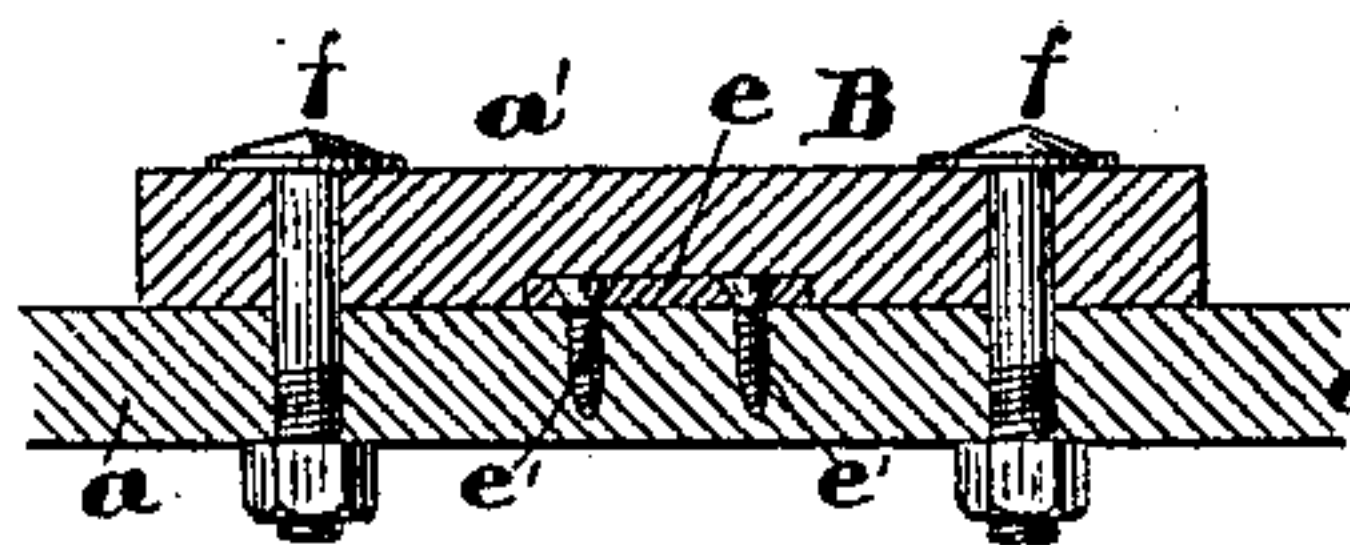


Fig. 3.

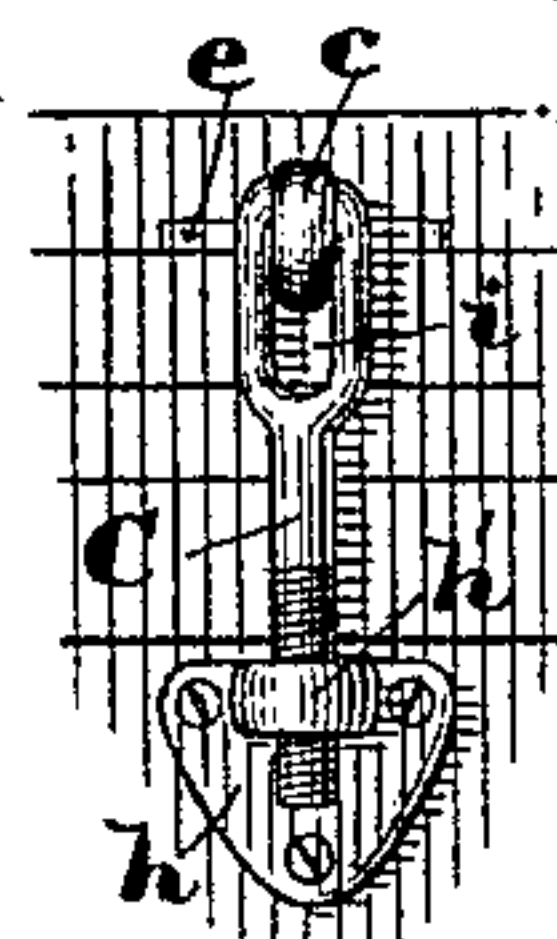


Fig. 4.

Witnesses:

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UNITED STATES PATENT OFFICE.

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BARREL-CLOSURE.

SPECIFICATION forming part of Letters Patent No. 451,415, dated April 28, 1891.

Application filed February 26, 1891. Serial No. 382,954. (No model.)

To all whom it may concern:

Be it known that I, HARVEY C. STROUT, of Peabody, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Barrel or Box Closures, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to barrel or box closures; and it consists in certain novel features of construction, arrangement, and combination of parts, which will be readily understood by reference to the description of the accompanying drawings and to the claim hereinafter given, and in which my invention is clearly pointed out.

Figure 1 of the drawings is a plan of a barrel having my invention applied thereto. Fig. 2 is a partial section of the same on line *xx* on Fig. 1. Fig. 3 is a partial section of the removable cover on line *yy* on Fig. 1. Fig. 4 is an elevation of the hinge connections and small portions of the barrel and cover at the right of Fig. 1. Fig. 5 is a sectional elevation of the eccentric-fastening at the other side of Fig. 1, the cutting-plane being on line *zz* on Fig. 2; and Fig. 6 is an elevation of the eccentric.

Many inventions have been made having for their object the closing of barrels in such a manner as to render them liquid and air tight, and at the same time so that they can be easily and expeditiously opened and closed, which necessarily renders the barrels expensive.

There are some uses for which a barrel or other receptacle having a removable or easily-opened head or cover that can be readily and firmly secured in closed position and as readily opened when required but without necessarily being air or liquid tight, would be very desirable—such, for instance, as transporting ashes and other like substances. To provide such a receptacle that shall not be too expensive is the object of my present invention. To this end I make and attach the closing head or cover of the receptacle as shown in the accompanying drawings, in which—

A represents the body of the barrel, box, or other receptacle.

B is the removable or hinged head or cover, made, preferably, of wood, the bottom portion *a* being made circular in form and re-enforced by an upper portion *a'*, the grain of which is arranged at right angles to the grain of the lower portion.

The head or cover B has firmly secured thereto at one side the metal hook *c* and at the opposite side the metal stud *d*, said hook and stud being each provided with or formed upon broad flat plates or webs *e*, which are inserted between the upper and lower portions of said cover and firmly secured therein by screws *e'* and the bolts *f f*. The plates or webs of the hook *c* and stud *d* may be united in one piece and extend entirely across the cover, as shown, or they may be made separate and extend only part way across said cover, as indicated by the dotted lines *g g'*, Fig. 1.

The body of the receptacle A has firmly secured thereto upon one side the plate *h*, provided with the ear *h'*, which has formed therein a threaded hole to receive the threaded lower end of the eyebolt C, in the upper end of which is formed the elongated eye or slot *i*, which receives the hook *c*, as shown in Figs. 1 and 4.

To the opposite side of the receptacle A is firmly secured the plate *j*, provided with two projecting lugs *j' j'*, with a space between them of sufficient width to receive the shank *k* of the eccentric-strap D, which shank *k* is threaded and has fitted thereon the nut *k'*, the upper surface of which engages with the under sides of the lugs *j' j'*, as shown in Figs. 1 and 5. The stud *d* has mounted thereon the eccentric E, the inner end of which is fitted to the opening in the strap D, as shown in Figs. 1 and 5, said eccentric being held in position on said stud by the washer *l* and screw *l'*, as shown in Fig. 1. By this construction a comparatively cheap and very effective receptacle-closure is obtained that can be readily and easily operated, and that will be very useful for transporting ashes and other dry or nearly dry substances.

The nut *k'* is readily adjustable on the threaded stem *k* of the eccentric-strap D, and the eyebolt C is also readily adjustable in the threaded ear *h'*, by which adjustments

the cover may be made to close the receptacle very tight.

In some cases I prefer to so attach the cover to the receptacle that when opened it will remain connected to said receptacle, in which case I extend the hook *c* so as to practically form an eye thereof, as indicated by dotted lines in Fig. 1.

The operation of my invention is as follows: The eyebolt *C* being properly adjusted in the ear *h'* and the nut *k'* being properly adjusted on the shank *k* of the eccentric-strap *D*, the hook *c* is engaged with the eyebolt *C* and the cover *A* is placed in position on the mouth of the receptacle. The shank of the eccentric *D* is swung into position between the lugs *j' j'*, with the nut *k'* beneath them, when the eccentric *E* is turned into the position shown in Fig. 5, and the receptacle is securely closed, it being understood that when the shank of the eccentric-strap is moved into position for its nut to pass beneath the lugs *j' j'* the eccentric *E* must be in the position the reverse of that shown in Fig. 5. To unclose the receptacle, the eccentric is turned to relieve the pressure. The lower end of the shank *k* is moved outward to withdraw the nut *k'* from beneath the lugs *j' j'*, when the cover is

free to be removed or swung over to the opposite side of the receptacle. 30

I claim—

In a closing device for barrels or other receptacles, a cover having secured thereto at one side a projecting hinge hook or eye and at its opposite side a projecting stud, a plate provided with an ear having a threaded hole therein secured to the body of the receptacle upon one side, a threaded eyebolt fitted to the threaded hole in said ear and engaging at its perforated end with said hinge hook or eye, a plate provided with two projecting lugs secured to the opposite side of said receptacle, an eccentric mounted upon said stud, an eccentric-strap fitting said eccentric and provided with a threaded shank, and an adjustable nut fitted to said shank and arranged to engage with the under surfaces of said lugs, substantially as described. 45

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 20th day of February, A. D. 1891. 50

HARVEY C. STROUT.

Witnesses:

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WALTER E. LOMBARD.