

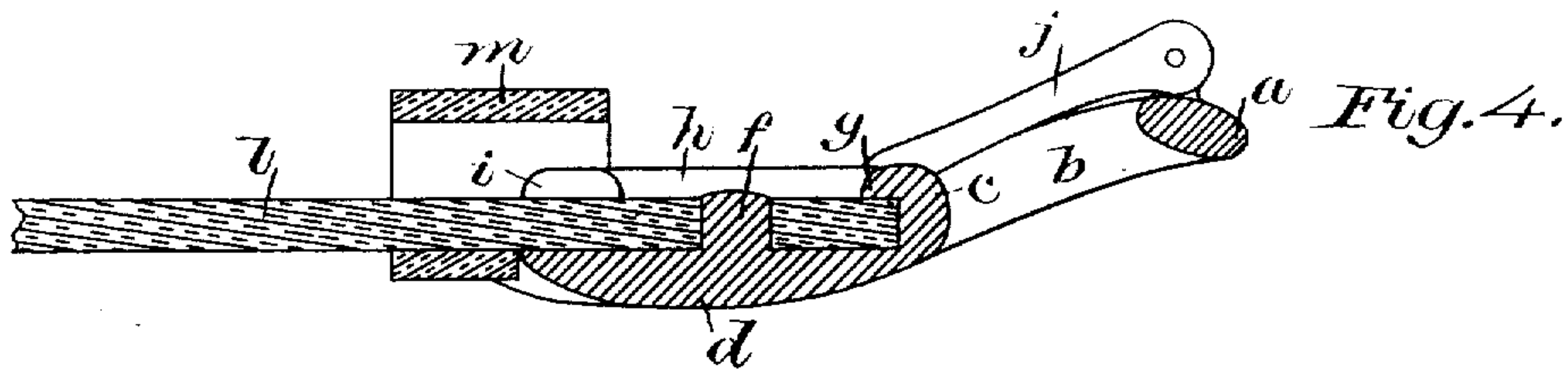
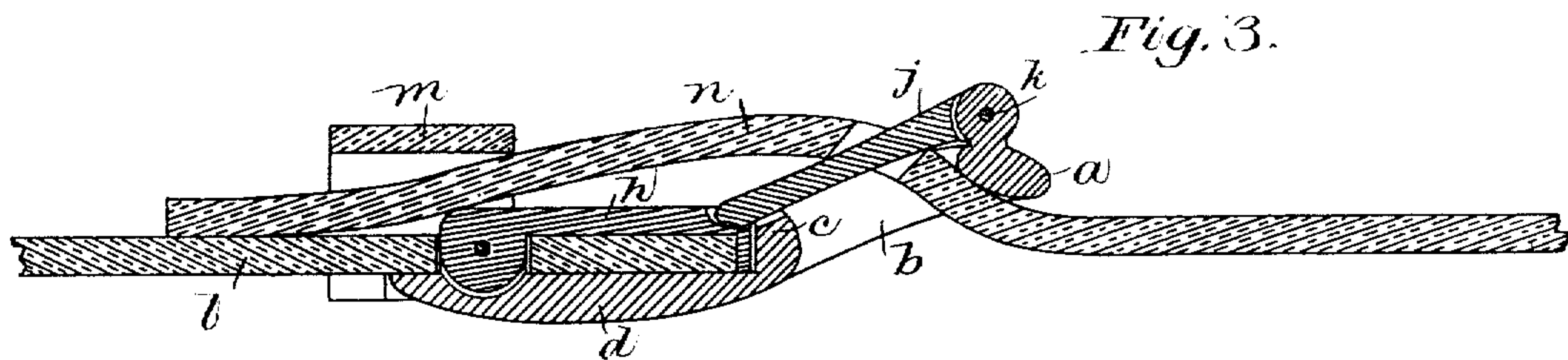
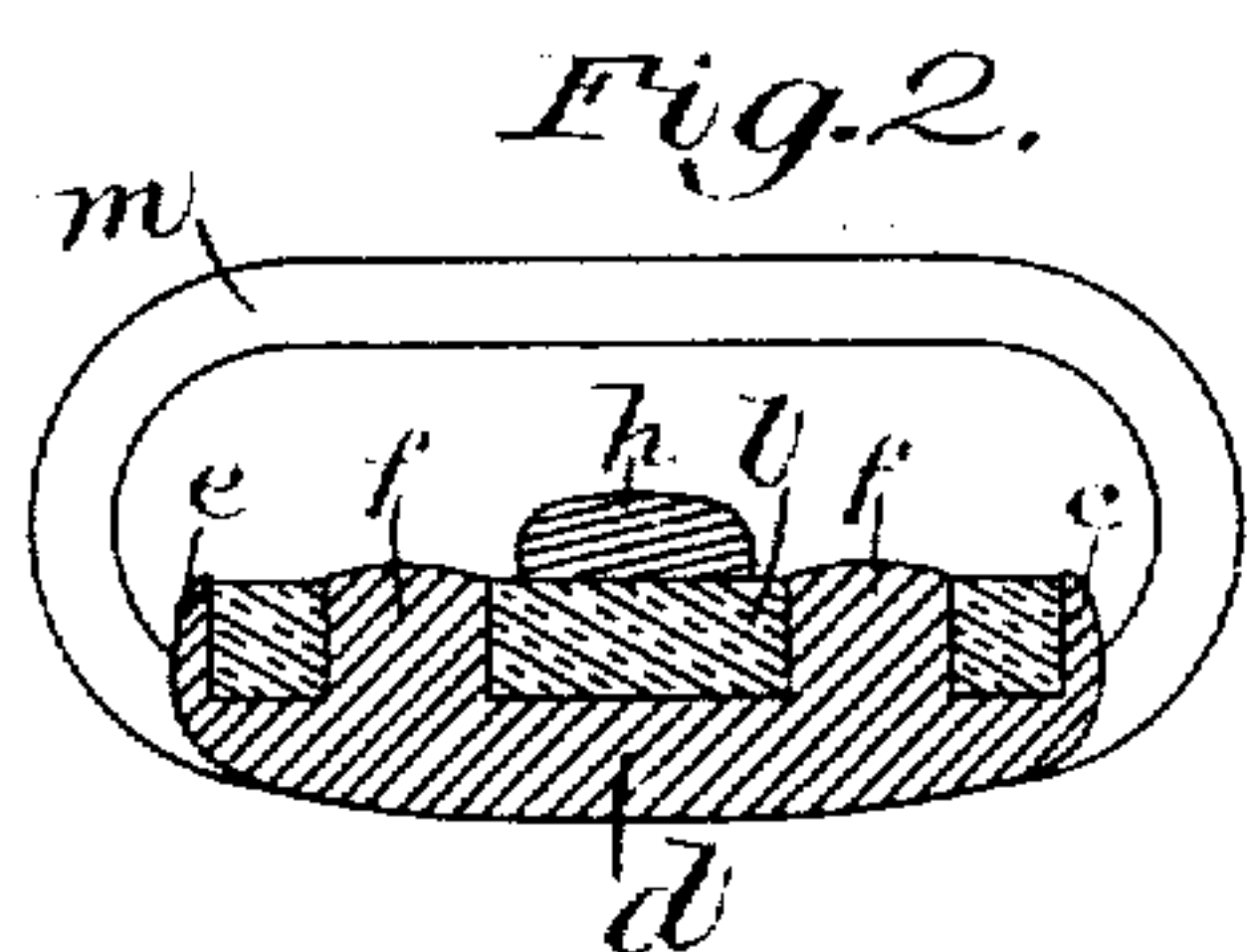
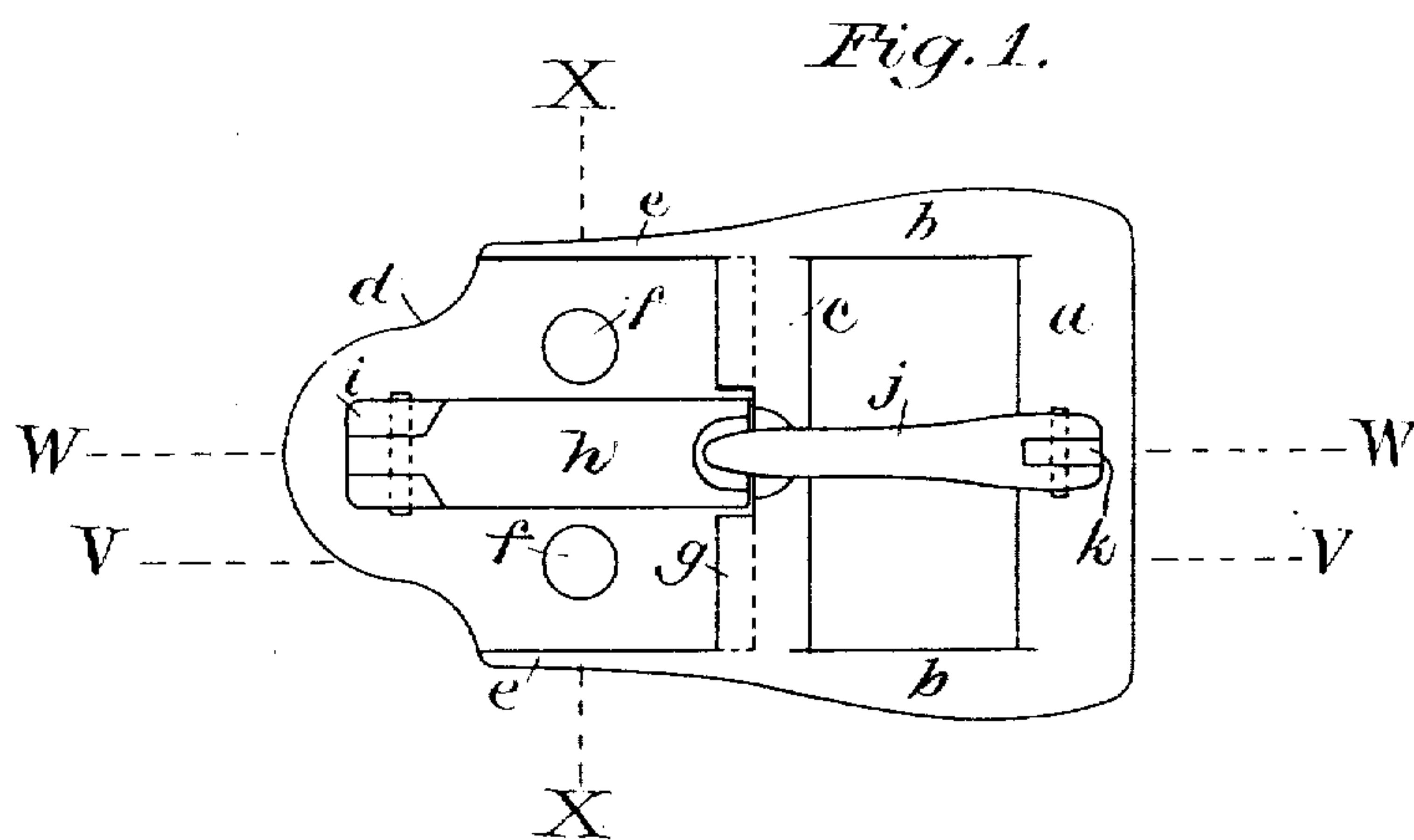
(No Model.)

J. D. ROBERTSON.

HARNESS BUCKLE.

No. 307,336.

Patented Oct. 28, 1884.



Witnesses

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# UNITED STATES PATENT OFFICE.

JAMES D. ROBERTSON, OF SALISBURY, MASSACHUSETTS.

## HARNESS-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 307,336, dated October 28, 1884.

Application filed February 28, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES D. ROBERTSON, of Salisbury, in the county of Essex and State of Massachusetts, have invented a new and useful Improvement in Harness-Buckles, which will, in connection with the accompanying drawings, be hereinafter fully described, and specifically defined in the appended claims.

This invention has for its object certain improvements in harness-buckles; and it consists in divers details thereof, which, by the aid of the accompanying drawings, will be hereinafter described and claimed.

In said drawings, Figure 1 is a plan view of my improved buckle. Fig. 2 is a transverse section taken as on line X X, Fig. 1, and showing the leather strap in position as secured thereto. Fig. 3 is a section taken as on line W W, Fig. 1, and showing the respective parts of the harness as attached thereto. Fig. 4 is a section similar to Fig. 3, but taken on line V V, Fig. 1.

In said views, *a* represents the front bar of the buckle. *b b* are the side bars, and *c* the rear bar, to which the tongue is usually attached. A plate, *d*, extends from bar *c*, and is bounded at its edges by the ribs or raised flanges *e e*, and upon it are formed the studs *f f*. On the rear side of bar *c* is formed a lip or flange, *g*. (Shown by dotted lines in Fig. 1 and by solid lines in Fig. 4.) A tongue or bar, *h*, is pivoted to plate *d* by means of stud *i*, formed thereon, or in any suitable manner, and its free end rests on bar *c* when it is depressed, and a tongue, *j*, is pivoted to front bar, *a*, by means of stud *k*, formed thereon, or in any suitable manner. The standing part *l* of the harness, to which the usual loop, *m*, is secured, is seated upon plate *d*, between ribs *e*, and its end is secured in the recess beneath flange *g*, as shown in Fig. 4, the studs *f f* and *i* entering holes cut in the leather, and bar *h*, which passes through the hole cut for stud *i*,

is closed down upon the leather, its end resting on bar *c*, the central part of flange *g* being cut away for that purpose. When the adjustable strap or part *n* of the harness is inserted beneath bar *a*, and is passed through loop *m*, after tongue *j* is seated in a hole therein, the tongue *h* is held firmly down upon part *l* by both tongue *j* and that part of strap *n* which passes over *h* and through loop *m*. By pivoting tongue *j* on bar *a*, instead of bar *c*, the strain of strap *n* is toward the pivot, and hence the tongue can better resist the same than if it were exerted away from said pivot, in the usual manner.

I am aware that buckles have heretofore been made and used in which a plate or broadened part was formed upon and extended from the buckle proper; hence I do not broadly claim a buckle having such plate as an integral part thereof, my invention relating to the devices by which the respective parts of the harness are secured in position in and upon the buckle when applied thereto. Hence

I claim as my invention—

1. In a buckle formed with a plate, *d*, a flange, *g*, formed upon the adjacent bar *c*, and extending partly over said plate to produce a recess to receive and secure the end of strap *l*, substantially as specified.

2. In combination with a buckle formed with plate *d* to receive strap *l*, a tongue or bar, *h*, pivoted to said plate and arranged to overlay and secure said strap to the plate, substantially as specified.

3. In a buckle, the combination of bar or tongue *h*, arranged to secure strap *l* in position, and tongue *j*, arranged to secure strap *n* and to confine the free end of bar *h*, substantially as specified.

JAMES D. ROBERTSON.

Witnesses:

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