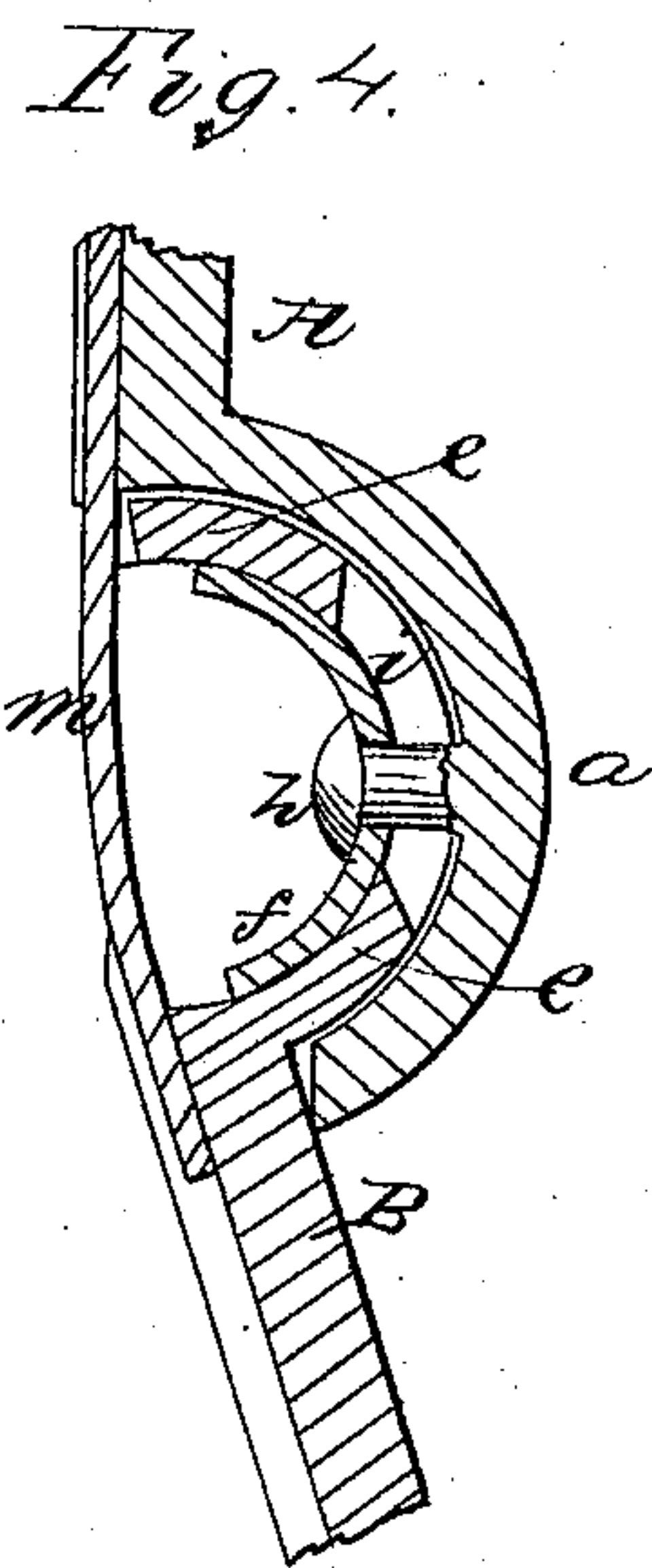
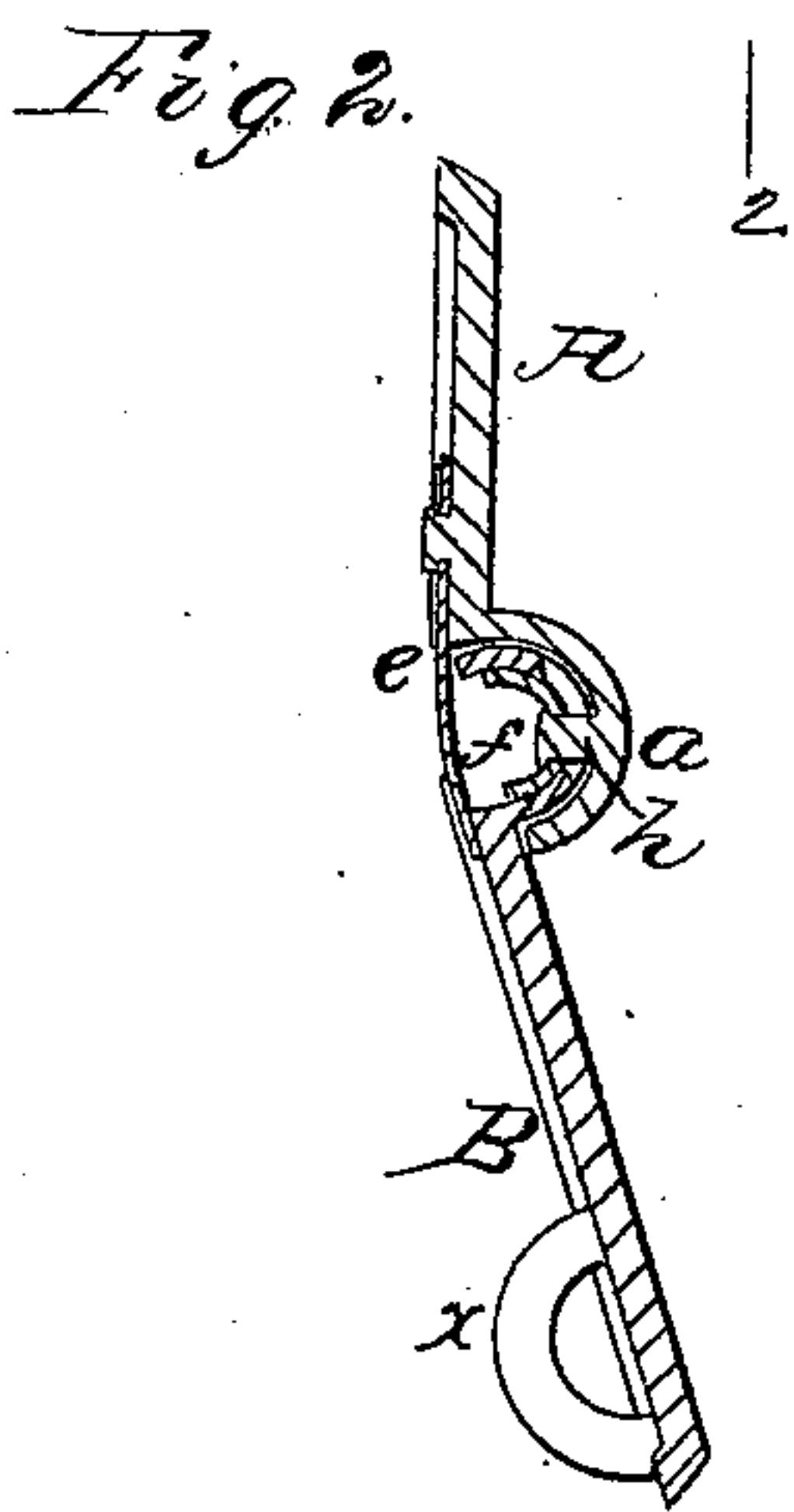
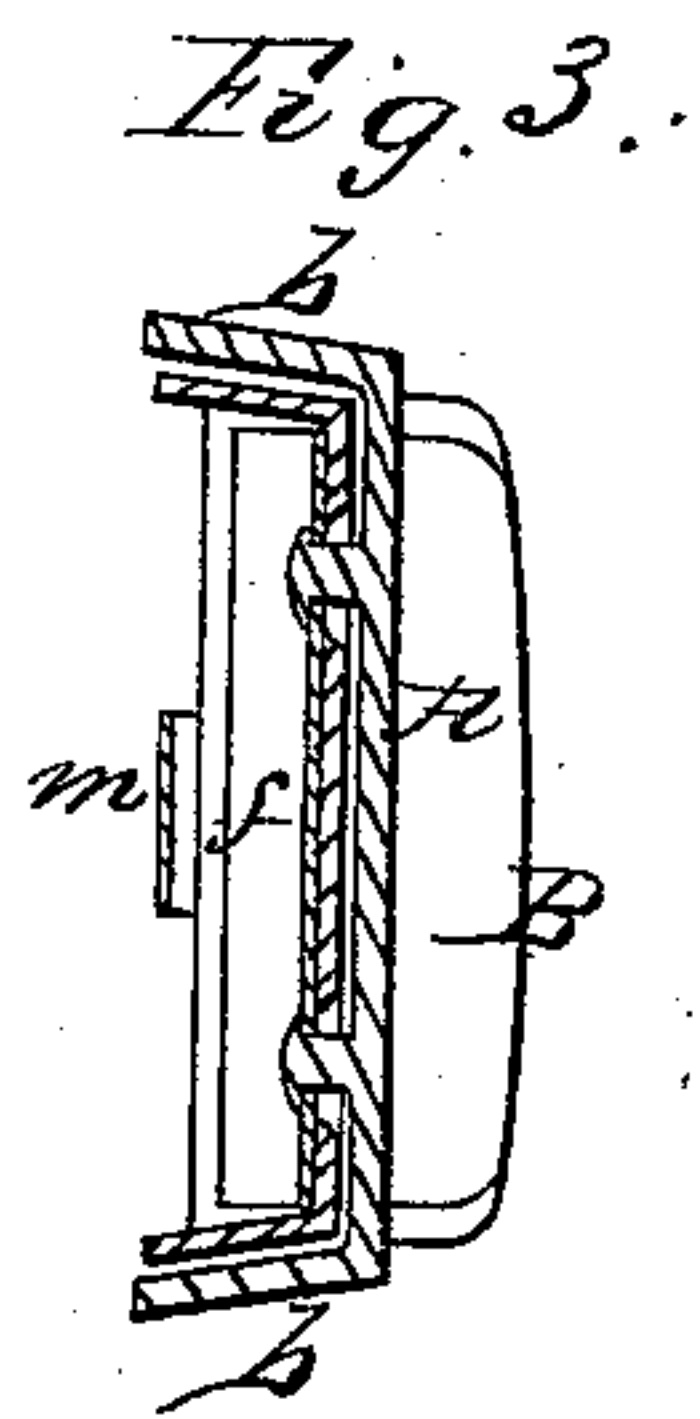
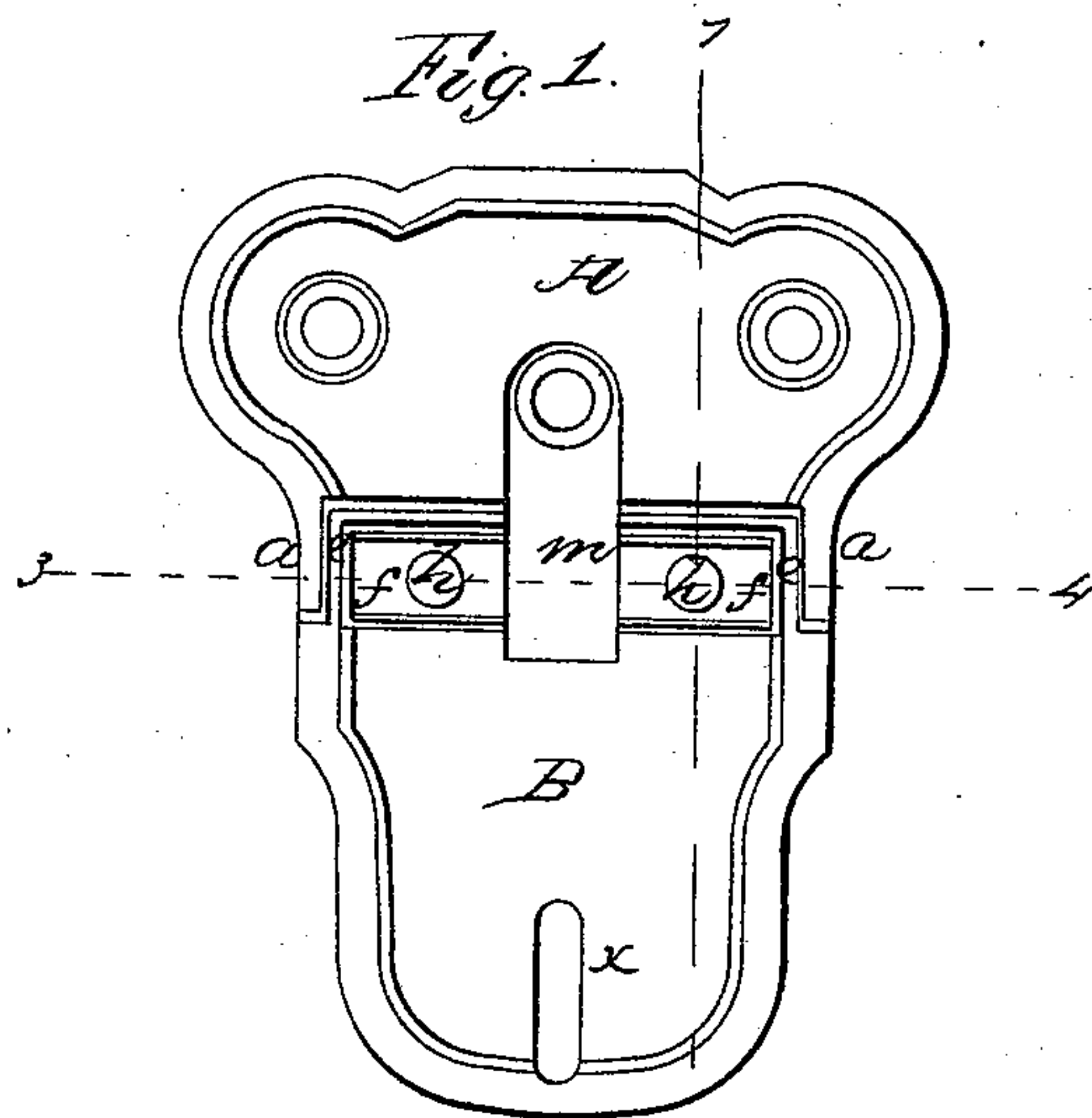


C. Liebrich,

Trunk Lock.

N^o 44,101.

Patented Sep. 6, 1864.



Witnesses:

Charles Foster

Charles Horner

Inventor:

Henry Howson

Asaph C. Liebrich

UNITED STATES PATENT OFFICE.

CONRAD LIEBRICH, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN HASPS FOR TRUNK-LOCKS.

Specification forming part of Letters Patent No. 44,101, dated September 6, 1864.

To all whom it may concern:

Be it known that I, CONRAD LIEBRICH, of Philadelphia, Pennsylvania, have invented an Improvement in Lock Hasps for Trunks; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention consists in the cheap mode described hereinafter of constructing the lock-hasp for trunks for which Letters Patent were granted to me on the 2d day of May, 1854.

In order to enable others skilled in the art to make my invention, I will now proceed to describe the manner of constructing the same.

On reference to the accompanying drawings, which form a part of this specification, Fig. 1 is an inverted plane view of my improved lock-hasp for trunks; Fig. 2, a longitudinal section on the line 1 2, Fig. 1; Fig. 3, a transverse section on the line 3 4, Fig. 1; and Fig. 4, an enlarged view of part of the hasp.

Similar letters refer to similar parts throughout the several views.

My improved lock-hasp consists of two main parts, A and B, the former of which is secured to the lid of the trunk by suitable screws or rivets. The lower end, *a*, of the portion A of the hasp is made in the form of half or somewhat less than half of a hollow cylinder, closed at the ends *b b*, Fig. 3. The upper end, *e*, of the portion B of the hasp is also made of a semi-cylindrical form, and is arranged to fit snugly in the interior of the lower end, *a*, of the portion A of the hasp, as best observed on reference to Fig. 4. In the interior of the upper end, *e*, of the portion B fits a semi-cylindrical washer, *f*, and through this washer, as well as through oblong openings *i* in the upper end, *e*, of the portion B of the hasp, project two or more rivets, *h*, which are cast on or form a part of the lower end, *a*, of the portion A of the hasp, heads being formed on these rivets, so that the two portions of the hasp and the washer *f* may be firmly secured

together, not so tightly, however, as to prevent the portion B of the hasp from moving freely in the portion A. A spring, *m*, is secured to this portion A, and bears against the portion B, so as to maintain the latter in the inclined position illustrated in Fig. 2, in the same manner and for the same purpose as described in my aforesaid patent of May 2, 1854. Near the lower end of the portion B is a staple, *x*, which enters the escutcheon of the lock, so as to receive the spring-bolt of the same.

In the lock-hasp described in my said patent the two parts were connected together in the same manner as an ordinary hinge, by means of a pin, for the reception of which the drilling of a hole in the hinge was necessary. In my present improvement the pin is dispensed with, and the drilling of holes rendered unnecessary, the portion A of the hasp with its semi-cylindrical end *a* and rivets *h* being cast in one piece, as is also the portion B with its staple *x*, the semi-cylindrical washer *f* being stamped from sheet metal and punched by suitable dies. All that is necessary, therefore, is to simply clean the castings, adjust the two parts of the hasp together, insert the washer, form the heads of the rivets, and secure the spring *m*, when the hasp is complete.

I claim as my invention and as an improvement in the lock-hasps for which Letters Patent were granted to me on the 2d day of May, 1854—

The semi-cylindrical end *a* of the portion A of the hasp, with the rivets *h*, in combination with the semi-cylindrical end *e* of the portion B and the washer *f*, the two parts of the hasp being constructed and adapted to each other substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CONRAD LIEBRICH.

Witnesses:

CHARLES E. FOSTER,
HENRY HOWSON.