

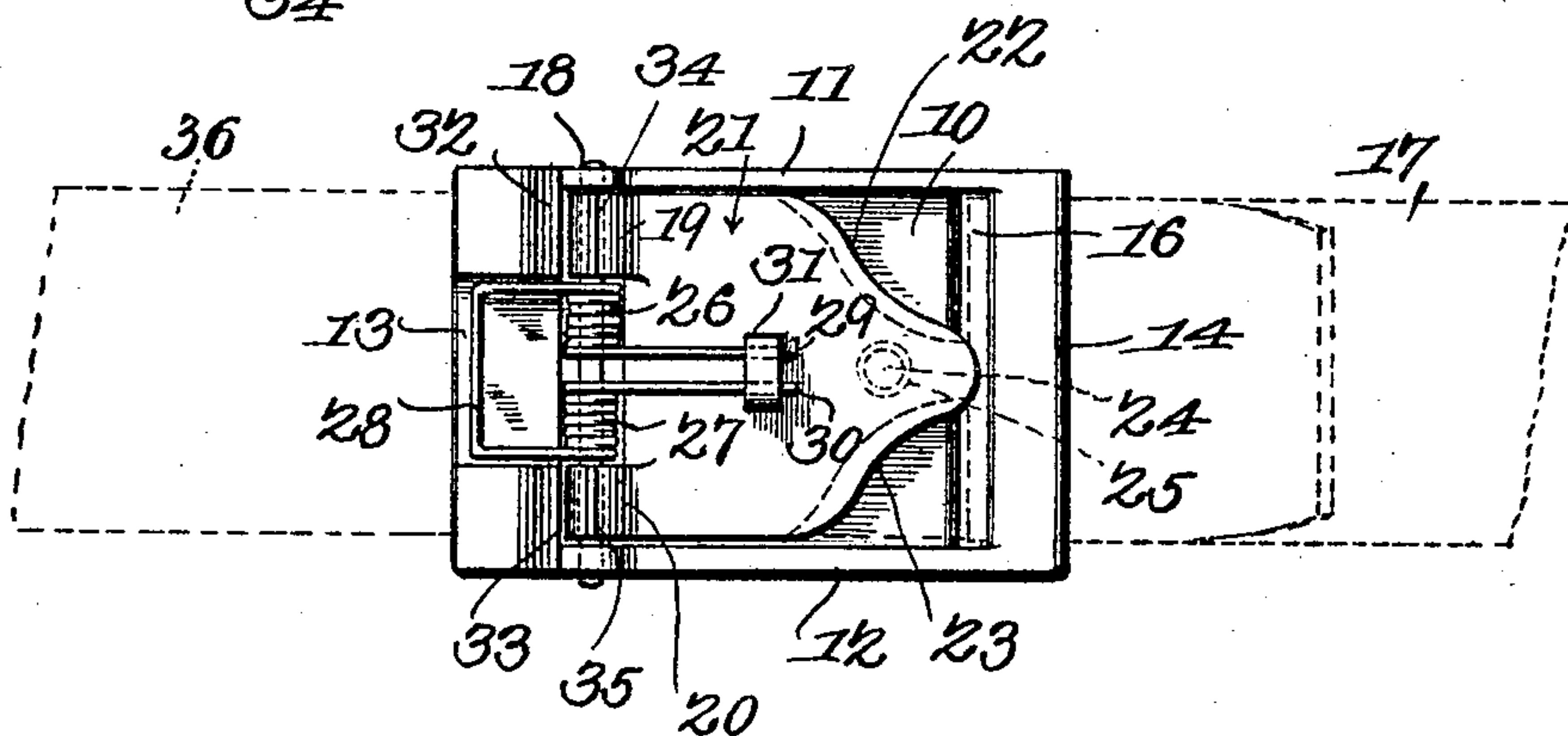
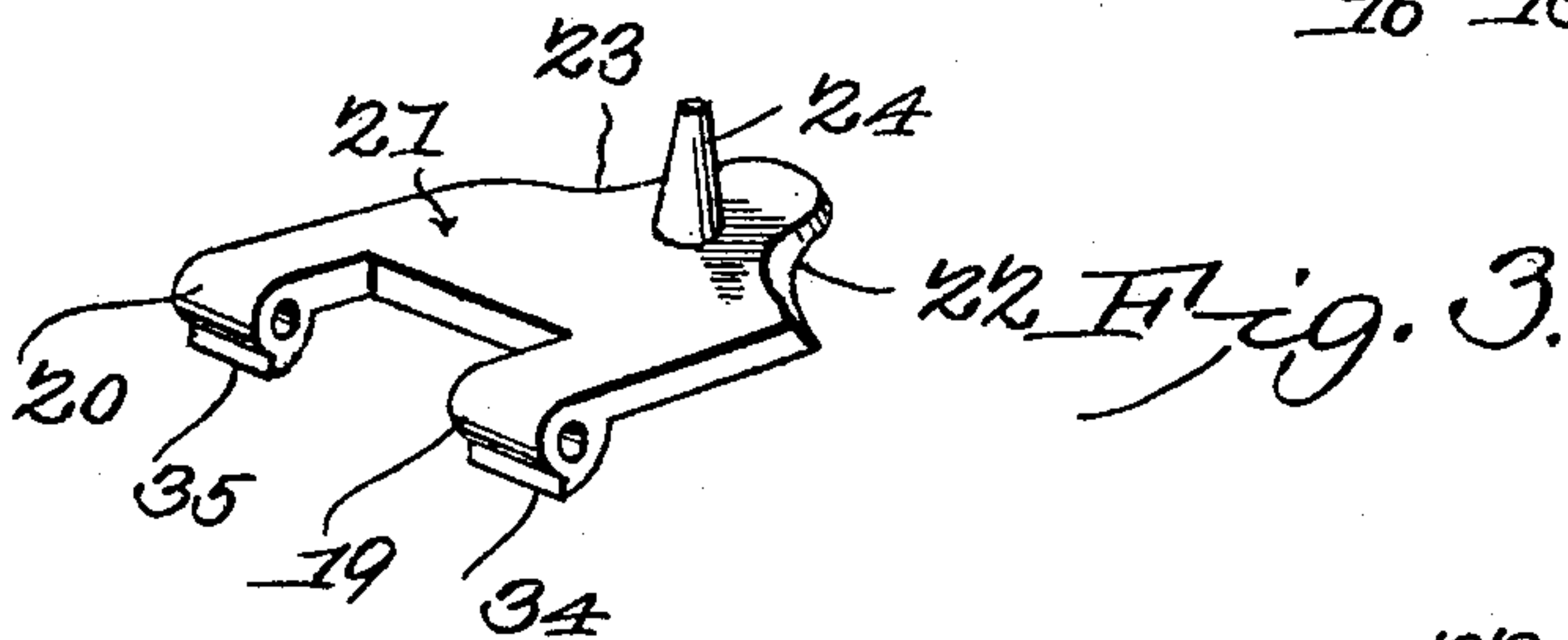
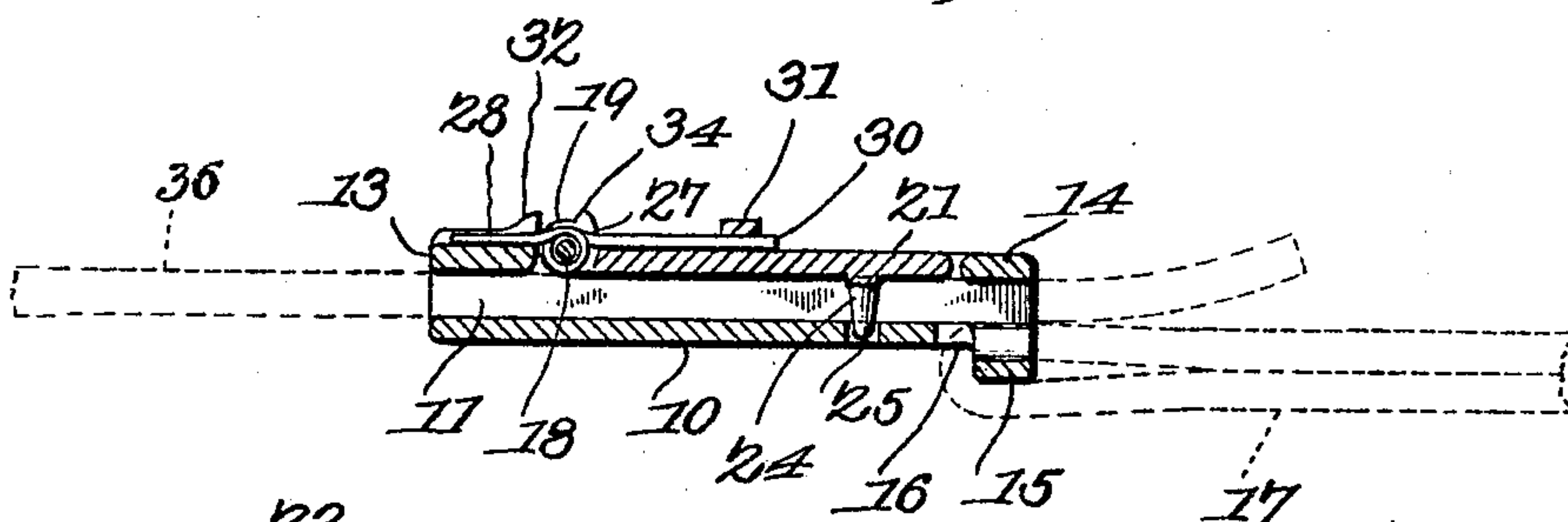
No. 795,395.

PATENTED JULY 25, 1905.

J. JACOBSON.  
BUCKLE.

APPLICATION FILED APR. 28, 1906.

*Fig. 1.*



*Fig. 2.*

Witnesses

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# UNITED STATES PATENT OFFICE.

JOHN JACOBSON, OF NEW RICHMOND, WISCONSIN.

## BUCKLE.

No. 795,395.

Specification of Letters Patent.

Patented July 25, 1905.

Application filed April 28, 1905. Serial No. 257,900.

*To all whom it may concern:*

Be it known that I, JOHN JACOBSON, a citizen of the United States, residing at New Richmond, in the county St. Croix and State of Wisconsin, have invented a new and useful Buckle, of which the following is a specification.

This invention relates to harness-buckles, and has for its object to simplify and improve the construction and increase the efficiency and utility of devices of this character.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportions, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages.

In the drawings, Figure 1 is a longitudinal sectional elevation, and Fig. 2 is a plan view of the improved buckle. Fig. 3 is a perspective view, inverted, of the clamp-plate and holding-tongue.

The improved device comprises a frame formed of a base or bed plate 10, having spaced side portions 11 12, transverse bars 13 14 connecting the ends of the side portions and with a transverse bar 15 depending from the base-plate at one end, the base-plate having a transverse aperture 16 adjacent to the bar 15.

The bar 15 and aperture 16 are designed to provide for the reception of a strap, (indicated by dotted lines at 17,) the depression of the bar enabling the whole of the strap to come below the inner face of the base portion 10 and leaving no part of the strap to obstruct the interior of the frame, as hereinafter more fully explained.

Extending transversely of the buckle-frame, adjacent to the bar 13, is a pin 18, secured by its ends in the side members 11 12, and swinging upon this pin, as by spaced ears 19 20, is a clamp-plate 21, having the corners 22 23 of its free end cut away to provide means for the entrance of the fingers of the operator when he desires to release the

plate, and to facilitate this operation more fully the under surface of the cut-away portions are undercut, as represented in Fig. 3.

The plate 21 is provided with a depending tongue 24, projecting through an aperture 25 in the base-plate 10.

A spring-wire is coiled at 26 27 around the pin 18 through the ears 19 20 and with a central loop 28 bearing over the bar 13 and the terminals 29 30 of the spring extending through a keeper 31 on the back of the plate 21. By this means the plate 21 is maintained yieldably in closed position with the tongue 24 projecting through the aperture 25, as in Fig. 1.

The transverse bar 13 is formed with a central depression in which the loop 28 rests, and the portions of the bar outside the depressed portion are provided with stop-shoulders 32 33, while similar stop-shoulders 34 35 on the ears 19 20 of the plate 21 are designed to engage the shoulders 32 33 when the plate 21 is elevated to limit the upward movement.

The billet of the strap to be engaged, which is indicated by dotted lines 36, is passed through the frame and the plate 21 closed thereon, with the tongue 24 passing through one of the usual tongue-apertures therein. By this means a very compact, strong, and durable buckle is produced which may be readily adjusted to any desired extent by simply raising the plate 21 to release the tongue 24 and move the billet 36 to any required tongue-hole therein and then release the plate, when the spring will close the tongue in its new position.

The buckle may be of any required size to fit any part of the harness.

Having thus described the invention, what is claimed is—

1. In a buckle, a frame comprising a bottom plate having an intermediate tongue-aperture and a transverse strap-aperture near one end and with spaced sides connected at the ends by transverse bars and with a depressed transverse bar adjacent to said strap-aperture and a clamp-plate swinging between said side portions and between said end bars.

2. In a buckle, a frame comprising a bottom plate having an intermediate tongue-aperture and a transverse strap-aperture near one end and with spaced sides connected at the ends by transverse bars and with a depressed transverse bar adjacent to said strap-aperture, a pin disposed transversely of said



side portions, a clamp-plate having spaced ears swinging upon said pin and provided with a tongue for engaging said tongue-aperture in said base portion of said frame, a spring-wire coiled around said pin between said ears and with a central loop bearing upon the adjacent transverse bar and with terminals bearing upon the clamp-plate.

3. In a buckle, a frame comprising a bottom plate and spaced sides connected at the ends by transverse bars, one of said bars having spaced stop-shoulders, a clamp-plate swinging between said side portions and between said end bars and provided with stop-shoulders for engaging the stop-shoulders upon said end bar to limit the movement of the plate in one direction.

4. In a buckle, a frame comprising a bottom plate and spaced sides connected at the ends by transverse bars, a clamp-plate swinging between said side portions and between said end bars and provided with a depending

tongue and with the corners at the free end cut away to provide finger-receiving recesses.

5. In a buckle, a frame comprising a bottom plate and spaced sides connected at the ends by transverse bars, one of said bars having a depressed central portion, a pin disposed transversely of said side portions, a clamp-plate having spaced ears swinging upon said pin and provided with a depending tongue, a spring coiled around said pin between said ears and with a central loop bearing within the depressed portion of said transverse bar and with the terminals of the spring bearing upon the clamp-plate.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOHN JACOBSON.

Witnesses:

M. P. McNALLY,  
W. F. McNALLY.