

No. 762,857.

PATENTED JUNE 14, 1904.

O. ANDERSON.
STRAP TIGHTENER AND FASTENER.
APPLICATION FILED JULY 17, 1903.

NO MODEL.

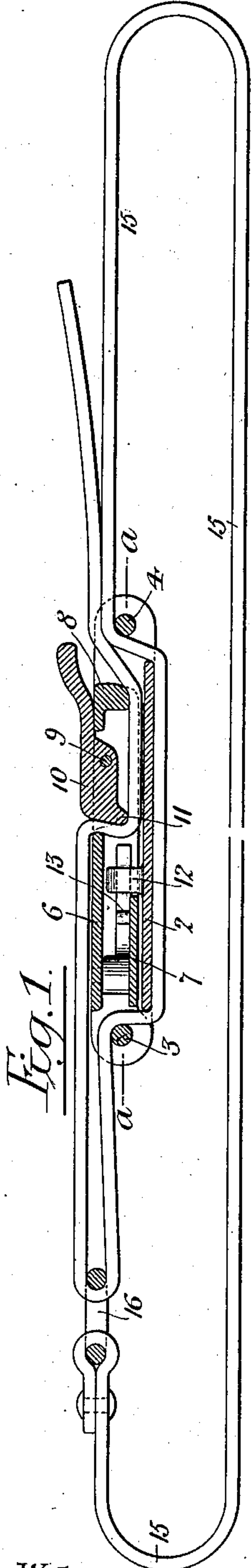


Fig. 3.

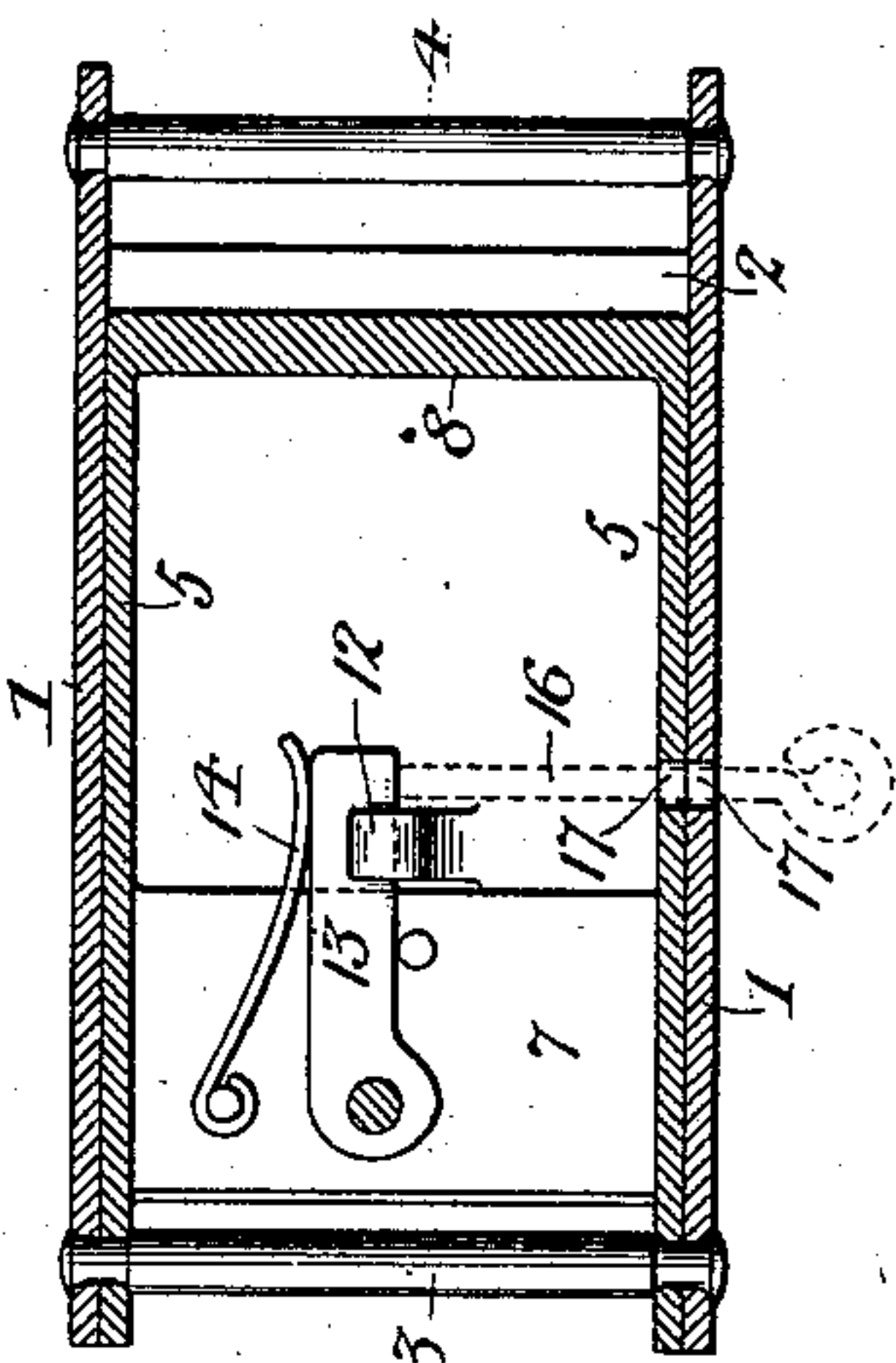
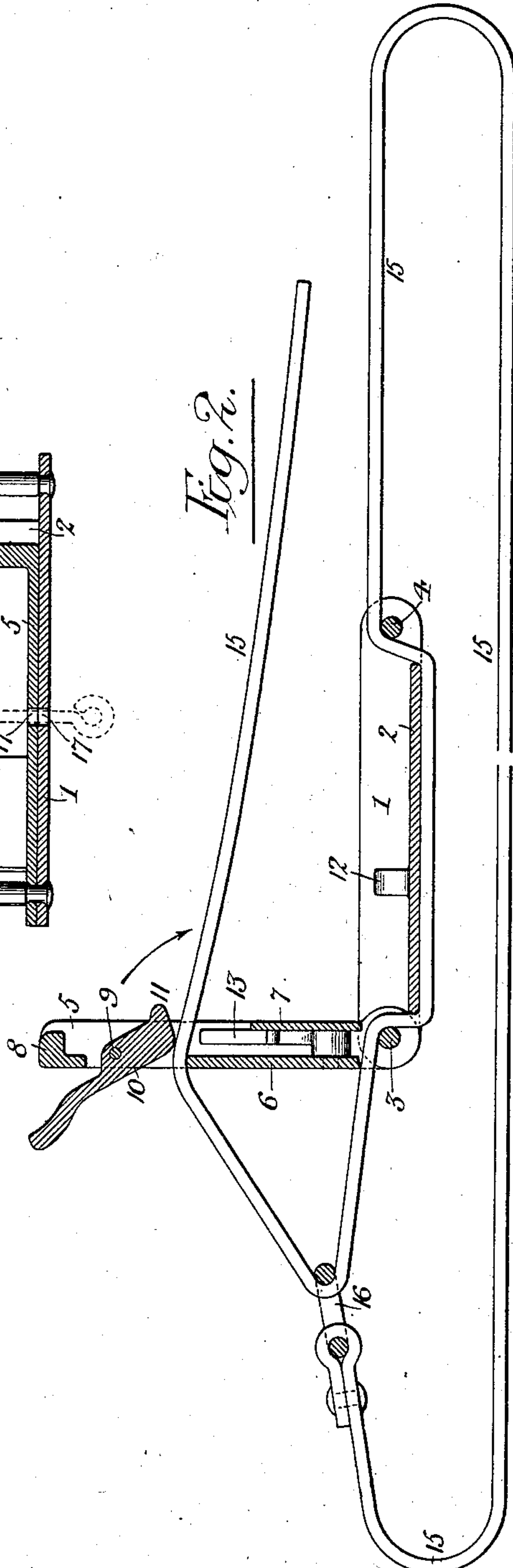


Fig. 2.



Witnesses:-

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STRAP TIGHTENER AND FASTENER.

SPECIFICATION forming part of Letters Patent No. 762,857, dated June 14, 1904.

Application filed July 17, 1903. Serial No. 166,025. (No model.)

To all whom it may concern:

Be it known that I, OLE ANDERSON, a citizen of the United States, and a resident of Ocean City, New Jersey, have invented certain Improvements in Strap Tighteners and Fasteners, of which the following is a specification.

One object of my invention is to provide a simple form of combined strap tightener and fastener; and a further object is to permit of adjustment of the same to different positions in respect to the strap without interference with the proper operation of the parts whereby the tightening and securing of the strap is effected. These objects I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a longitudinal sectional view of my improved strap tightener and fastener applied to the strap and secured in position thereon. Fig. 2 is a similar view, but showing the parts of the fastener released from each other and adjusted to position for engaging the strap prior to the tightening of the same; and Fig. 3 is a sectional plan view of the fastener on the line *a a*, Fig. 1.

The device comprises two members, which may for convenience be termed the "fixed" member and the "movable" member. The fixed member comprises opposite side plates 1 1, a transverse connecting-plate 2, and transverse connecting-bars 3 and 4, one located near each end of the side plates. The movable member consists of opposite side plates 5, transverse connecting-plates 6 and 7, and a transverse bar 8, said side plates 5 of the movable member being pivoted to the transverse bar 3 of the fixed member.

Hung to a transverse rod or pin 9, carried by the side plates 5 of the movable member of the fastener, is a lever 10, with projecting rib 11 at its forward end, and projecting upwardly from the transverse plate 2 of the fixed member of the fastening device is a post 12, notched or recessed at one side for engagement with a swinging bolt 13, which is pivoted to the plate 7 of the movable member of the fastening and is acted upon by a

spring 14, tending to move it into engagement with the recessed face of the post 12.

One end of the strap 15, to which the device is applied, is connected to a loop 16, and the other end of said strap is passed around the bar 4 of the fixed member of the fastening, thence behind the transverse plate 2 of the same, thence around the bar 3, thence through the loop 16, thence between the edge of the plate 6 and the lever 10 of the movable member of the fastening, thence behind the bar 8 of the latter, and thence outwardly over the strap, where it passes around the bar 4. When the bolt 13 is released from engagement with the post 12, the movable member of the fastening can be raised, as shown in Fig. 2, and the strap 15 can then be drawn as tight as possible by hand preparatory to depressing the lever 10 so as to cause it to engage with the strap, whereupon by swinging down the movable member of the fastening, as indicated by the arrow in Fig. 2, said strap will be tightened by the lever action of said swinging member, and by a succession of such swinging movements a succession of tightening operations will result until the desired tension has been imparted to the strap, whereupon the movable member of the fastener can be fully depressed, so as to cause the bolt 13 to engage with the notched post or keeper 12, and thereby lock the movable member of the fastening in the position shown in Fig. 1 and prevent any slackening of the strap.

It will be observed that my improved fastening device is threaded upon one end of the strap and can therefore be adjusted thereupon to any desired position before beginning to tighten the strap. Hence in applying the fastener to a trunk-strap the same can be readily adjusted so as to occupy a position between the longitudinal stiffening bars or strips with which trunks are usually provided.

In order to effect the release of the bolt 13 from the notched bolt or keeper 12, said bolt may be pushed laterally out of engagement with the keeper by means of a pin 16 or other suitable key passed through openings 17,

formed in the side bars of the two members of the fastening, these openings registering with each other when the said members of the fastening are in the closed position. (Shown in 5 Fig. 3.)

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

1. The combination of a strap, looped at one end, and a strap tightener and fastener 10 comprising a relatively fixed portion and a lever pivoted thereto and engaging said looped end, said relatively fixed portion being threaded upon said looped end of the strap and adjustable longitudinally in respect thereto, substantially as specified.

2. The combination of a strap, looped at one end around a connection at the opposite end of the strap, and a strap tightener and fastener comprising a relatively fixed portion and 20 a lever pivoted thereto and engaging said looped end, said relatively fixed portion being threaded upon said looped end of the strap and adjustable longitudinally in respect thereto, substantially as specified.

3. The combination of a strap, looped at one end, and a strap tightener and fastener comprising a fixed member threaded upon said looped end of the strap and adjustable longitudinally in respect thereto, and a movable 30 member pivoted to the fixed member and carrying a clamping-lever for engaging the free end of said looped member of the strap, substantially as specified.

4. A strap tightener and fastener consisting of a fixed member comprising opposite 35 side plates and transverse rods, one near each end of said plates, and a movable member comprising side plates hung to one of said

transverse rods of the fixed member, a transverse strap-bearing, and a clamping-lever 40 whereby the strap may be confined against the end of said transverse bearing, substantially as specified.

5. A strap tightener and fastener comprising a fixed member having opposite side plates 45 with transverse connecting-plate and transverse rods one near each end of said side plates, a movable member comprising side plates pivoted to one of said transverse rods, a transverse strap-bearing and a pivoted lever serving as a clamp for the strap, a notched post projecting from the transverse plate of the fixed member, and a pivoted and spring-actuated bolt carried by the movable member and adapted to engage said notched post when the 55 two members of the fastening are closed, substantially as specified.

6. The combination in a strap tightener and fastener, of a fixed member, and a movable member pivoted thereto so as to swing thereon, a notched post or keeper on one of said 60 members, and a pivoted and spring-actuated swinging bolt on the other member for engagement with said keeper, said members having therein openings which register with 65 each other when the members are closed and permit entrance of a key whereby the swinging bolt can be released from the keeper, substantially as specified.

In testimony whereof I have signed my name 70 to this specification in the presence of two subscribing witnesses.

OLE ANDERSON.

Witnesses:

JOS. I. SCULL,
JNO. B. GROVES.