C. ANSHEN.

FASTENER.

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1,287,817. Patented Dec. 17, 1918.

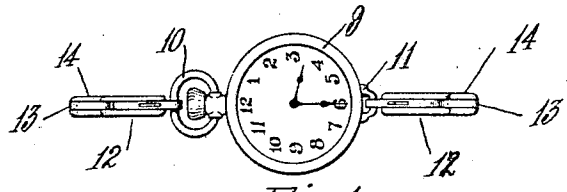

Fig. 1.

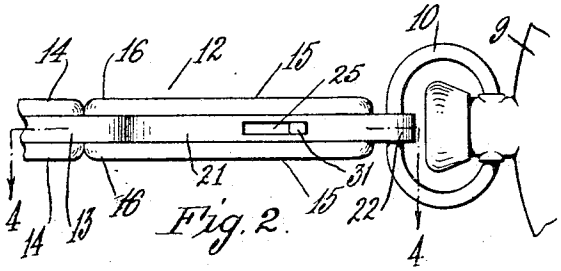

Fig. 2.

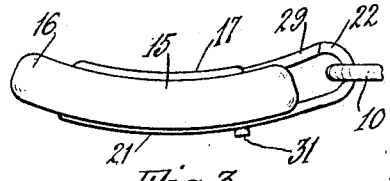

Fig. 3.

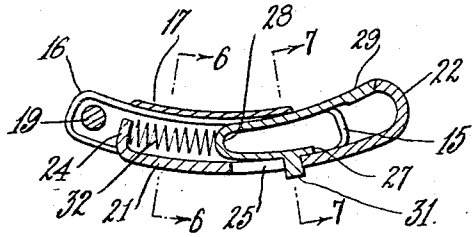

Fig. 4.

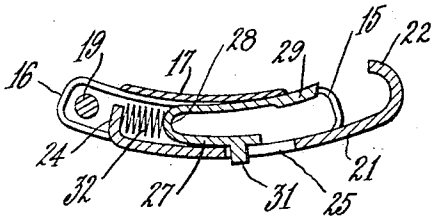

Fig. 5.

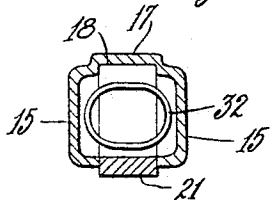

Fig. 6.

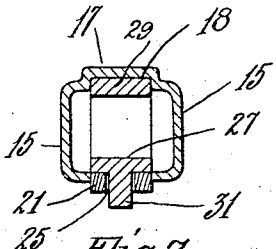

Fig. 7.

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FASTENER.

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To all whom it may concern:

Be it known that I, CHARLES ANSHEN, citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Fasteners, of which the following is a specification.

My invention relates to clasps for use in chains, bracelets, and other flexible members which include a watch holder, watch, ornament or other member; and more particularly to clasps having a contour adapted for use in chains comprising expansible interengaging inner and outer links.

The essential objects of my invention are to securely engage the watch or other attached article safely against accidental release; to make it unnecessary to slide the tongue to permit the insertion of an article into the clasp; to reduce the expense of manufacture; to lessen the number of parts; and to attain these ends in a structure whose contour corresponds with the contour of the links to which the fastener is attached.

To the above ends my invention consists in such parts and combinations of parts as fall within the scope of the appended claims.

In the accompanying drawings which form a part of this specification.

Figure 1 is a front elevation on a reduced scale, of a watch bracelet embodying my invention,

Fig. 2, similar elevation of a fastener engaging the watch, a portion only of the watch being shown,

Fig. 3, a plan view of a fastener engaging a watch ring, a portion of the latter being broken away,

Figs. 4 and 5, sections on line 4—4 of Fig. 2, showing a fastener in closed and open positions respectively, and

Figs. 6 and 7, sections on lines 6—6 and 7—7 respectively of Fig. 4.

Like reference characters indicate like parts throughout the views.

My invention is herein shown in conjunction with a watch 9 provided with a ring 10 and an attached eye 11 to each of which members is connected by my novel clasps 12, the inner links 13 and outer links 14 of an extensible bracelet of usual construction.

As both fasteners 12, one on each end of the chain or bracelet, are identical in construction, a description of one will serve for both.

Each fastener 12 is cut and bent up from a blank of sheet metal to form a top and bottom plate 15 provided with longitudinal ears or extensions 16; also, an inner wall or face 17 connecting the plates, and preferably slightly offset from the latter to form a longitudinally disposed channel or seat 18. The ends 16 of the plates are connected by a post 19 integral with or soldered thereto. The connection may be of any other preferred construction.

Intermediate the plates, and forming a front wall for the same is a plate 21 constituting the shank of a hook or beak 22 upon its forward portion. This shank is soldered, sweat, or otherwise fixed to the edges of the plate and projects forwardly some distance beyond the ends of the plates to advance the hook some distance beyond the latter. The shank does not extend farther back than the beginning of the extension 16, at which point the material of the shank is bent inwardly or transversely of the plates forming a finger 24. The shank has also a longitudinal slot 25.

Slidably mounted in the described structure is a resilient member formed from a single piece of metal comprising an arm 27, a transversely disposed end or bearing portion 28, and a resilient tongue 29, longer than the arm 27, and located at the opposite end of the bearing portion. The end of the tongue is adapted to register with the end of the beak 22. The tongue 27 and arm 29 slightly diverge from the portion 28. The tongue slides in the guideway or seat 18; and a projection or finger piece 31 on the arm 27 slides in the slot 25. The tongue is normally pressed into contact with the beak by a helical spring 32 located between the wall 17 and shank 21, and having one end in contact with the finger 24 and the portion 28 of the locking member.

When it is desired to open the fastener the projection 31 is manually pressed rearwardly, compressing the spring 32 and affording a space between the tongue and beak, as shown in Fig. 5, to remove the watch ring 10. When it is sought to introduce a watch ring it is unnecessary to move the projection, but the parts may be in the position shown in Fig. 4. The resiliency of

the tongue 29 is such that the operator merely presses the watch ring 10 against the tongue and the latter yields and thus admits the ring, whereupon the released tongue resumes its normal position.

In cases where the stock of the watch ring is of small diameter the ring may be removed from the hook without the use of the finger piece or stop 31 and without sliding the V-shaped spring, but by merely pressing with the thumb nail the tongue 29 toward the shank of the hook to form the opening for egress of the ring.

I claim:—

1. A securing device for a chain or bracelet of the type set forth at each end of the same, comprising a back plate, top and bottom plates integral with the back plate, a shank fast to the front edges of the top and bottom plates and forming a front wall, a beak upon the forward end of the shank extending beyond the plates, a transverse finger upon the rear end of the shank, a substantially V shaped resilient locking member slidably mounted between the plates and adapted to engage the beak, and a spring between the plates engaging the finger and the locking member.

2. A securing device for a chain or bracelet of the type set forth at each end of the same, comprising parallel plates, a shorter plate connecting the first plates at their rear margins, a shank, a shank fast to parallel plates provided with a longitudinal slot, a transverse finger on one end of the shank, a beak on the other end of the shank, a resilient locking member slidably mounted between the plates adapted to register with the beak, a projection on said member extending through the slot, and a spring engaging the finger and said member.

3. A securing device for a chain or bracelet of the type set forth at each end of the same, comprising parallel plates, an intermediate plate, and a shank fast to the parallel plates provided with a slot, a transverse finger on one end of the shank intermediate the length of the parallel plates, a post connecting the parallel plates exterior of the finger, a beak upon the shank, a locking member comprising an arm bearing against the shank, a resilient tongue disposed at an angle to the arm, a bearing portion connecting the tongue and arm, a spring engaging the finger and the bearing portion, and a projection upon the arm extending through the slot.

4. In a securing device for a chain or bracelet of the type set forth at each end of the same, comprising a back plate, parallel plates fast to the back plate and disposed with relation to the back plate to form a guideway, a shank fast to the parallel plates provided with a slot, a transverse finger on the rear end of the shank, a beak on the forward end of the shank, a locking member comprising a bearing portion, an arm integral with the bearing portion slidably engaging the shank, a resilient tongue integral with the bearing portion slidable in the guideway, and a projection on the arm extending through the slot, and a spring engaging the finger and the bearing portion.

5. As a new article of manufacture, a locking member for a chain or bracelet, consisting of an arm, a projection upon the arm, a resilient tongue disposed at an angle to the arm, said arm and tongue being disposed substantially parallel and extended in the same direction, and a substantially V shaped portion connecting the arm and tongue.

In testimony whereof I have affixed my signature.

CHARLES ANSHEN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."