Dec. 9, 1924.

1,518,266

H. F. LOEWER

LAST

Filed July 25, 1923

Fig. 1

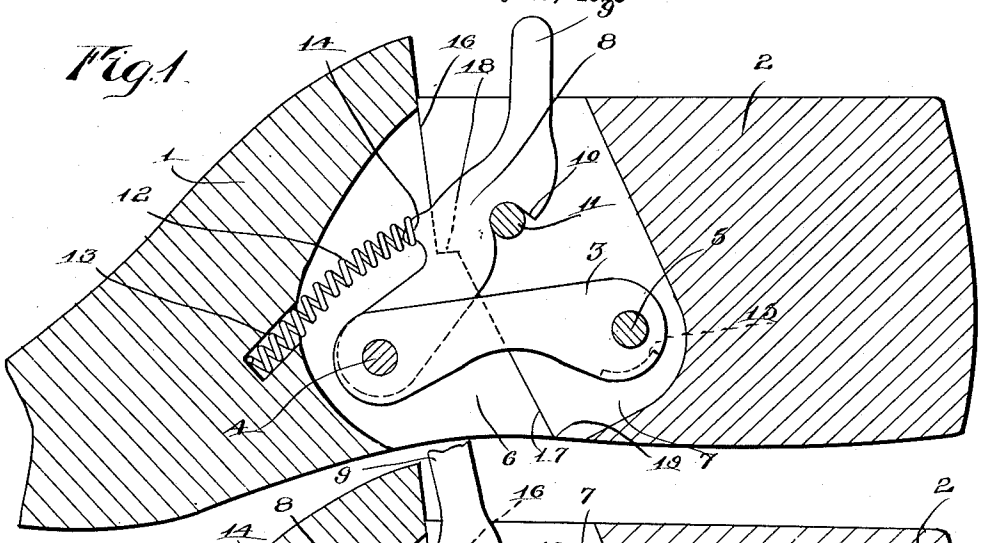


Fig. 2

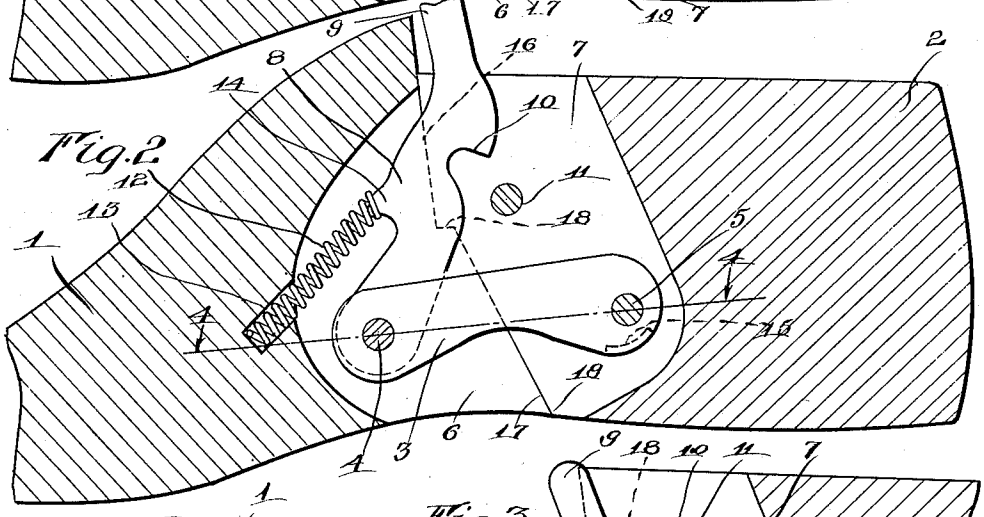


Fig. 3

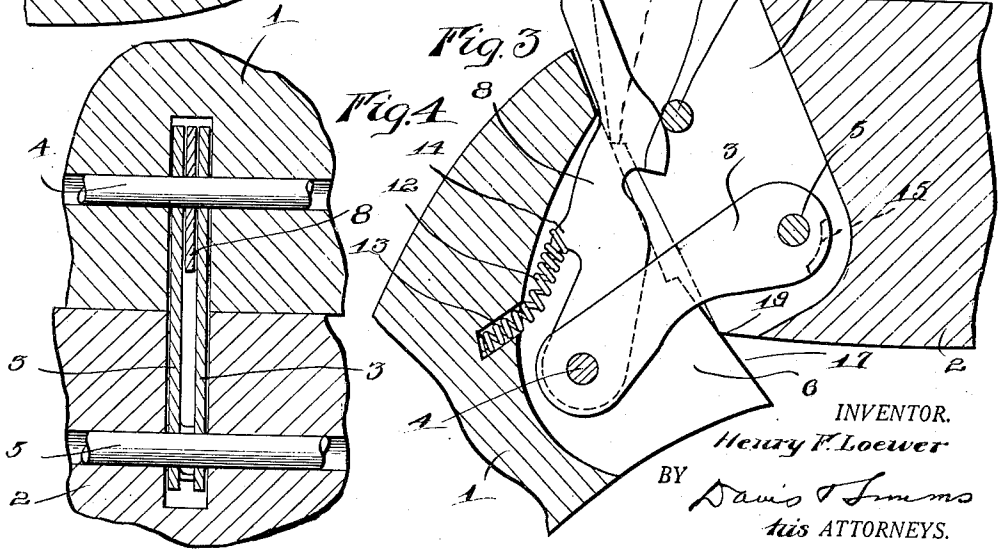


Fig. 4

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UNITED STATES PATENT OFFICE.

HENRY F. LOEWER, OF ROCHESTER, NEW YORK.

LAST.

Application filed July 25, 1923. Serial No. 653,765.

To all whom it may concern:

Be it known that I, HENRY F. LOEWER, a citizen of the United States, and resident of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Lasts, of which the following is a specification.

The present invention relates to lasts and more particularly to the type in which a fore part and the heel part are separate and are connected between the two parts. An object of this invention is to provide a detaining means of novel construction which will make the last inexpensive to manufacture, and which will be strong, durable and effective in use.

To these and other ends, the invention consists of certain parts and combinations of parts, all of which will be hereinafter described: the novel features being pointed out in the appended claims.

In the drawings:—

Fig. 1 is a longitudinal section through the last, showing the detaining means locking the last in expanded position;

Fig. 2 is a similar view of the last, showing the detaining means unlocking the last so that it may be collapsed;

Fig. 3 is a fragmentary sectional view, showing the last in collapsed condition; and

Fig. 4 is a section on the line 4—4, Fig. 2.

Referring more particularly to the drawings, 1 indicates the forepart and 2 the heel part. These two parts are connected together by a bonding means, which in this embodiment comprises two plates 3 mounted on two pivot pins 4 and 5. The pivot pin 4 bridges a kerf 6 in the forepart, while the pivot pin 5 bridges a kerf 7 in the heel part. In these kerfs the bonding plates 3 operate.

One of the pivot pins preferably the pivot pin 4 on the forepart serves also as a pivot for a detent or latch 8, such latch being arranged between the two plates 3 and extending upwardly therefrom into and through the upper end of the kerf 7 where it is provided with an operating portion or finger piece 9, an abutment 10 is formed on this detent or locking device and this abutment is adapted to cooperate with the abutment 11 in the form of a pin bridging the kerf 7 above the pivot pin 5. It will be noted that when the last is locked in an expanded condition, the abutment 11 lies against the abutment 10 and the pivot 4 of the detent, so that there is a pulling strain upon the detent, when in locking position. A spring 12 in the form of a helix is seated in a pocket 13 at the forward end of the kerf 6 and extends upwardly and rearwardly to engage over a lug 14 projecting forwardly from the detent. This spring tends normally to move the detent to locking position. The plates 3 may be spaced apart adjacent the pivot 5 by a lateral lug on the plate 3 and abutting the other plate.

The joint between the two last parts is preferably in the form of two transverse cuts 16 and 17 at oblique angles to each other and connected by a short horizontal cut 18 forming cooperating shoulders on the forepart and the heel part. It is apparent that in collapsing the last the forward portion of the heel part moves upwardly in advance of the rear portion of the heel part and owing to the eccentric arrangement of the pin 11 with reference to the pin 5, the spring acting on the detent tends to move the lower forward edge 19 of the heel part in abutment with the rear lower portion of the forepart, thus maintaining the last in a collapsed condition, while permitting the last to be readily moved to expanded condition.

What I claim as my invention and desire to secure by Letters Patent is:—

1. A last comprising a fore part, a heel part, bonding means pivotally connected to the fore part and to the heel part, a detent pivoted on the pivot of the bonding means on one of such parts and having an abutment facing towards the pivot, and an abutment on the other last part for cooperation with the abutment on the detent, such last mentioned abutment being arranged eccentric with reference to the pivot of the bonding means on the last part on which the abutment is arranged, and lying, when the last is expanded and the abutment on the detent is in engagement therewith, between the abutment on the detent and the pivot of the detent.

2. A last comprising a fore part, a heel part, bonding means pivotally connected to the fore part and to the heel part, a detent

pivotally mounted on the pivot of the bonding means arranged on the fore part, said detent extending upwardly through the top of the heel part to provide an operating portion, and having an abutment thereon facing toward the pivot of the detent, and an abutment on the heel part arranged eccentrically to the pivot of the bonding means on such last part and lying, when engaged by the abutment on the detent, at a point between the abutment of the detent and the pivot of the detent.

HENRY F. LOEWER.