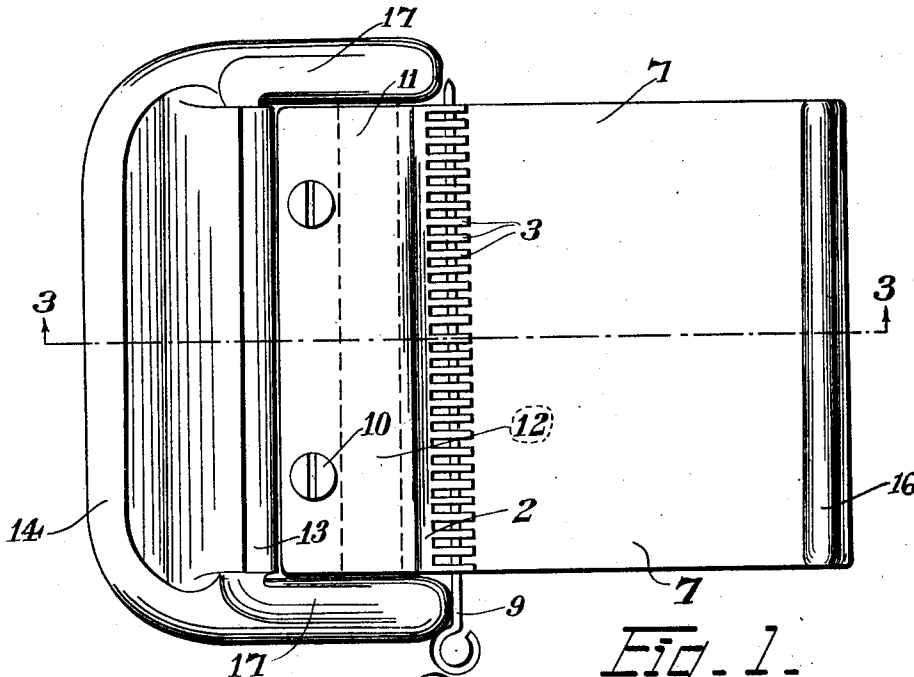
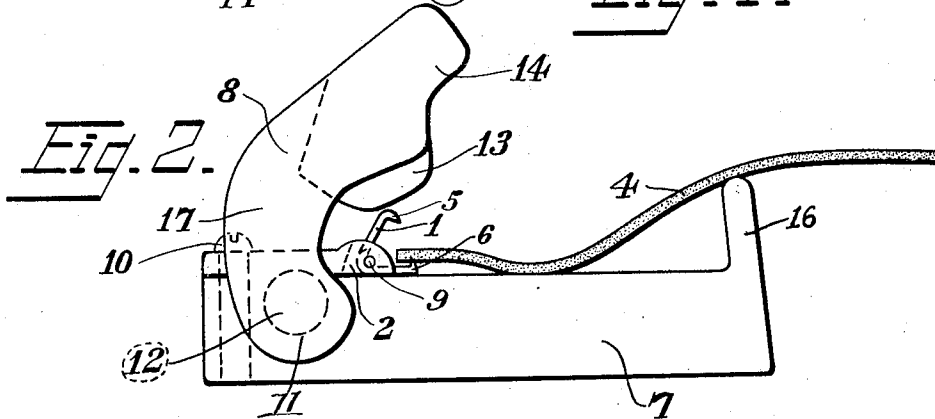
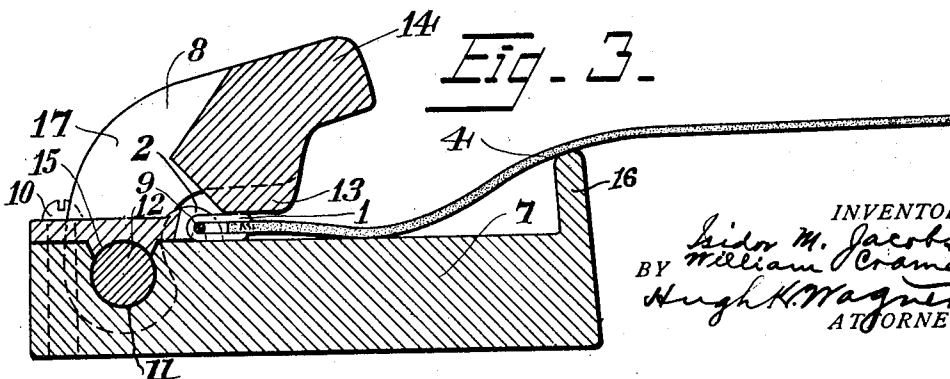


I. M. JACOBS AND W. CRAMER.
BELT FASTENING DEVICE.
APPLICATION FILED DEC. 4, 1920.

1,385,685.

Patented July 26, 1921.



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UNITED STATES PATENT OFFICE.

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BELT-FASTENING DEVICE.

1,385,685.

Specification of Letters Patent.

Patented July 26, 1921.

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To all whom it may concern:

Be it known that we, ISIDOR M. JACOBS and WILLIAM CRAMER, citizens of the United States, residing, respectively, at the city of Kansas City, county of Jackson, and State of Missouri, and at the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Belt-Fastening Devices, of which the following is a specification.

This invention is a tool for applying belt-lacings to belts. It is especially intended and adapted for use in connection with a well-known and standard form of staples used for beltlacings.

An object of the invention is to provide a simple efficient tool to fasten staples in belts, having means to allow the belt to drop onto the anvil in position to receive the staples, and to perform the operation without the necessity of holding the belt in place by hand.

In the accompanying drawings forming part of this specification, in which like numbers of reference denote like parts wherever they occur,

Figure 1 is a top plan view;

Fig. 2 is a side elevation before clenching; and

Fig. 3 is a sectional view on the line 3—3 in Fig. 1 after the beltlacings have been clenched.

The staples 1 are placed in the staple holder 2 which is provided with a plurality of teeth 3. The end of the belt 4 is then passed between the upper points 5 and the lower points 6 of the staples 1 and between the anvil 7 and the upper die 8. The pin 9 is inserted as soon as the staples 1 are inserted in the jaw 2.

With the parts in the position shown in Fig. 2, an ordinary hammer is used and clenches the staples 1 into the shape shown in Fig. 3.

After this, a twill of twisted rawhide or the like (not shown in the drawings) is passed through openings in all the staples 1 causing them to meet together and overlap from opposite pieces of belting brought together end to end.

The teeth 3 are formed preferably by saw cuts along one of the edges of stapleholder 2, which is attached by screws 10 to anvil 7.

The upper die 8 is pivoted in transverse bearing 11 and preferably, but not necessarily, cast integral with shaft 12, which lies in bearing 11, formed in the anvil 7.

Shaft 12 is held in bearing 11 by stapleholder 2 when the same is attached by screws 10 to anvil 7.

Fig. 1 shows the upper die 8 in retracted position. Fig. 2 shows the same just before the blow thereon and thereby that clenches the staples 1. Fig. 3 shows the position of all the parts immediately after the clenching of the staples 1.

The nose 13 on the upper die 8 is adapted to act as a hammer. The projection 14 thereon is adapted to serve as a handle as well as to increase weight. The weight of member 8 is such as to cause the same to serve as a clamp for belt 4.

The underneath side of stapleholder 2 is preferably so formed as to provide bearing 15, adapted to cooperate with bearing 11 in holding shaft 12.

The web 16 is chiefly for convenience in handling, affording a handhold and a means for readily grasping the tool.

The upper die 8 is formed with a pair of arms 17 that are cross-connected by the shaft 12, which, as desired, may or may not be formed integral therewith, and which forms the pivot for the upper die 8.

The teeth 3 of the staple holder retain the staples 1 quite steady for the impact of the hammer.

Having thus described this invention, we hereby reserve the benefit of all changes in form, arrangement, order, or use of parts, as it is evident that many minor changes may be made therein without departing from the spirit of this invention or the scope of the following claims.

We claim:

1. In a belt fastening device, the combination of an anvil, a bearing in said anvil, a top bearing, a movable upper die, depending flanges on said die, a shaft connecting said flanges, said shaft fitting in said bearing and constituting a pivot, said top bearing provided with staple supporting teeth, means to secure staples in said teeth, and a belt supporting extension on said anvil.

2. In a belt fastening device, the combination of an anvil, a movable upper die pivoted in said anvil, a top bearing securing

said die in said anvil, said top bearing provided with staple holding means, and an extension on said anvil to support a belt so that the end of the belt will drop onto the
5 anvil in position to receive the staples.

3. In a belt fastening device, the combination of an anvil, a belt supporting extension on said anvil, a pivot bearing in said anvil, a top bearing, said top bearing provided with staple holding means constituting
10 teeth, said teeth having perforations,

a pin to pass through said perforations and securely hold the staples in operative position, a movable upper die, said die having a pivot to be held in said bearings, a hammer
15 face on said die, and a handle to operate said die.

In testimony whereof we hereunto affix our signatures.

ISIDOR M. JACOBS.
WM. CRAMER.