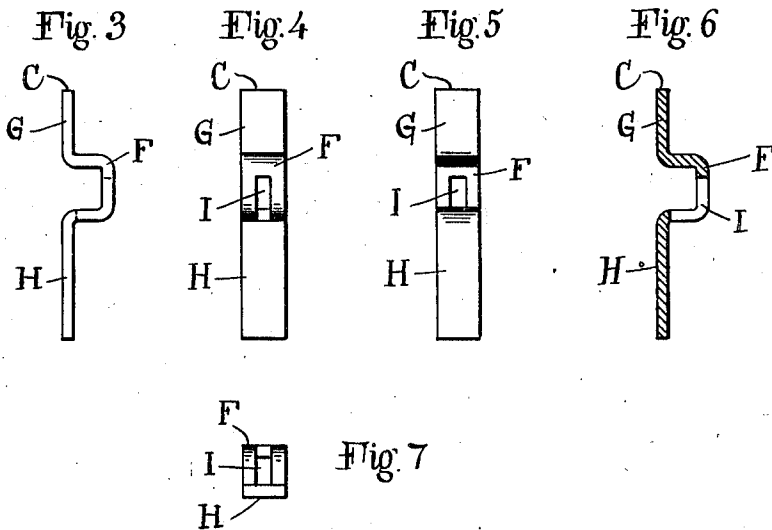


TOGGLE BOLT.

978,380.

Fig. 1 and Fig. 2 are cross-sectional views of a mechanical device. Fig. 1 shows a side view of a component (A) with a vertical flange (B) and a horizontal flange (H). A rod (D) is inserted through the horizontal flange (H) and is secured by a nut (E) and a washer (F). A cap (C) is shown on the left side of the vertical flange (B). Fig. 2 shows a side view of the same component (A) with a vertical flange (B) and a horizontal flange (H). A rod (D) is inserted through the horizontal flange (H) and is secured by a nut (E) and a washer (F). A cap (C) is shown on the left side of the vertical flange (B).



Witnesses
E. La Gay
Bernard Morris

Joseph Kennedy Inventor.
By his Attorneys Rimes & Ogden

UNITED STATES PATENT OFFICE.

JOSEPH KENNEDY, OF NEW YORK, N. Y.

TOGGLE-BOLT.

978,380.

Specification of Letters Patent.

Patented Dec. 13, 1910.

Application filed May 13, 1908. Serial No. 432,586.

To all whom it may concern:

Be it known that I, JOSEPH KENNEDY, a citizen of the United States, and resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Toggle-Bolts, of which the following is a specification accompanied by drawings.

This invention relates to toggle bolts for insertion in a wall or the like and the objects of the invention are to provide a cheap and strong device, which may be easily inserted in place and which will afford an efficient engagement with the bolt.

To these ends the invention consists of a toggle bolt for carrying out the above objects embodying the features of construction, combinations of elements, and arrangement of parts having the general mode of operation substantially as hereinafter fully described and claimed in this specification and shown in the accompanying drawings, in which—

Figure 1 is a side elevation partly in section, of a toggle bolt in the act of being inserted in a wall; Fig. 2 is a similar view after the bolt has been inserted; Fig. 3 is a side elevation of the anchor bar; Fig. 4 is a front elevation of the anchor bar; Fig. 5 is a rear elevation of the same; Fig. 6 is a longitudinal sectional view; and Fig. 7 is an end elevation.

Referring to Figs. 1 to 7 of the drawings, A represents the wall in the aperture B of which the toggle bolt is to be inserted. The toggle bolt comprises the anchor bar C, the bolt D, and the nut E. In the preferred form of my invention the anchor bar C is in the form of a piece or strip of metal bent centrally at F into U-shaped form to form a transverse recess and provided with the legs or wings G and H extending at each side of the loop. The leg H is longer and therefore heavier than the leg G, so that when the toggle bolt is inserted through the aperture B in the wall A the heavier leg H will drop down and tend to take the position indicated in Fig. 2, so that the anchor bar may be drawn tightly against the wall.

The central loop or U-shaped portion F of the anchor bar as shown is provided with the longitudinal slot or recess I which preferably extends through one leg and the base of said U-shaped portion. The bolt D is adapted to be inserted through this slot I, and, as shown in the drawings, the nut E may be located in the recess or U-shaped portion of the anchor bar, or else the head of the bolt may be located in this position. The form of the anchor bar is such that the bolt may assume a position substantially parallel to the anchor bar. When the anchor bar is in position as indicated in Fig. 2, the bent portion extends into the aperture B and firmly seats the anchor bar in position.

I claim and desire to obtain by Letters Patent the following:

1. A toggle bolt comprising an anchor bar consisting of a piece of metal centrally bent into U-shaped form to form a transverse recess and provided with a longitudinal slot in said centrally bent portion, a bolt adapted to pass through said slot, and a nut on said bolt.

2. A toggle bolt comprising an anchor bar consisting of a piece of metal having outwardly extending legs, and a central retaining loop forming a transverse recess and provided with a longitudinal aperture therein, a bolt adapted to pass through said aperture and a nut on said bolt.

3. A toggle bolt comprising an anchor bar consisting of a piece of metal centrally bent into U-shaped form to form a transverse recess and having legs extending from each side of said central bent portion, one side and the base of said U-shaped portion being longitudinally slotted, a bolt adapted to pass through said slot and a nut on said bolt.

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

JOSEPH KENNEDY.

Witnesses:

I. B. MOORE,
EDW. A. STULZ.