

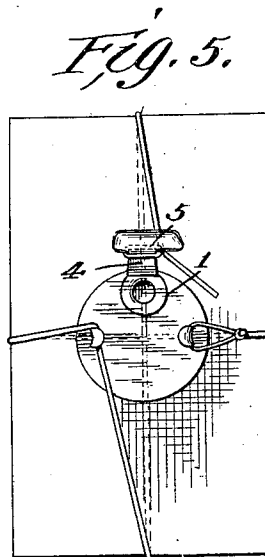
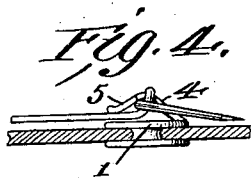
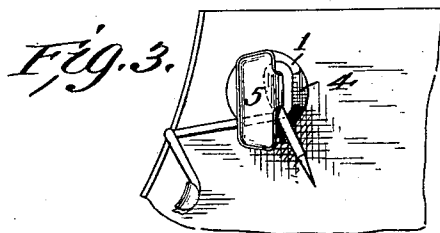
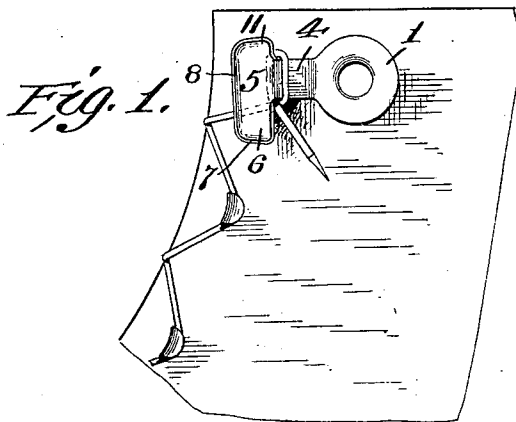
No. 680,563.

H. N. BROWN.
HOLDFAST.

(Application filed Feb. 28, 1901.)

Patented Aug. 13, 1901.

(No Model.)



Attest.
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UNITED STATES PATENT OFFICE.

HOWARD N. BROWN, OF BOSTON, MASSACHUSETTS.

HOLDFAST.

SPECIFICATION forming part of Letters Patent No. 680,563, dated August 13, 1901.

Application filed February 25, 1901. Serial No. 48,836. (No model.)

To all whom it may concern:

Be it known that I, HOWARD N. BROWN, a citizen of the United States, residing at Boston, Massachusetts, have invented certain new and useful Improvements in Holdfasts, of which the following is a specification.

My invention relates to devices for retaining or holding the free end of lacings used in boots or shoes, &c., or for retaining and holding the free end of a cord used for tying bundles or packages.

The main object of the invention is to provide a cheap stud, which may be readily secured in place, about which the end of the lacing or cord may be wrapped and held without tying the same. The stud is rigid and of such form that it will retain the lacing or cord, avoiding the use of spring parts or spring-catches.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the stud applied to a shoe. Fig. 2 is a sectional view, parts being in elevation. Figs. 3 and 4 are similar views of a modification. Fig. 5 shows the stud as used for holding a wrapping-cord.

The stud has a base-plate 1, which is secured to the shoe, glove, or other article by an eyelet punched centrally to form engaging portions, which extend through the fabrics, as in the ordinary lacing-stud. A narrow neck portion 4 extends at an angle to the neck from the edge of the base, the top thereof being enlarged and bent downward toward the plane of the base nearly at a right angle, but so inclined as to enable the lacing to be held upon itself when passed around it, thus forming the head 5. The head has a lateral extension 6 with an upturned edge 7. The edge of the head opposite to the neck may be also turned up to provide a lip 8. These lips are not essential, as it will be readily seen that the surface of the head may be entirely flat. This head is also provided with a horn 11, beneath which the lacing is placed to prevent it from slipping over the head when about to be passed around the neck.

The stud is preferably stamped in one piece out of sheet metal.

In securing the lacing the free end is

brought under the lateral extension of the head and around the neck 4, then drawn again under this lateral extension in such wise that it is crossed upon itself, and there- by securely held.

As shown in Figs. 3 and 4, the neck may be bent back at an angle over the base-plate instead of away from the plate, as shown in the other figures.

When the device is used to hold the end of a wrapping-cord, as shown in Fig. 5, it is secured to a disk of leather or the like near the edge thereof. Two ordinary lacing-studs are also secured to this disk, spaced substantially an equidistance from each other and the improved stud. To one of the ordinary studs, called an "anchor-stud," the end of the wrapping-cord is fastened. The cord is then passed around the bundle and brought around the second ordinary stud, called a "guide-stud," and again brought around the bundle in a direction at right angles to the first turn, the end being finally passed around the neck of the improved stud, the cord drawn taut, and then the end fastened, as before described.

I claim—

1. A rigid retaining-stud comprising a flat base-plate having means for securing the same in place, a narrow integral neck portion extending from a point on the periphery of the plate upwardly at an angle and an integral head at the upper end of the neck deflected downwardly in a reverse direction to the angle of the neck, said head having a laterally-extending portion, substantially as described.

2. A sheet-metal retaining-stud comprising a base, a neck extending at an angle thereto at one edge of the same, a head extending from the neck and bent downward toward the base, said head having a lateral extension, a lip at the end of the lateral extension, and a lip at the edge of the head opposite the neck, substantially as described.

In testimony whereof I have affixed my signature in presence of two witnesses.

HOWARD N. BROWN.

Witnesses:

HENRY E. COOPER,
F. L. MIDDLETON.