C. L. BEAN.

RIVET PUNCH.

APPLICATION FILED SEPT. 10, 1908.

922,660. Patented May 25, 1909.

Fig. 1.

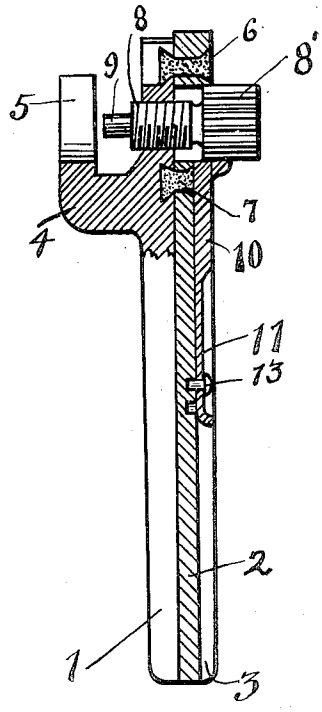


Fig. 2.

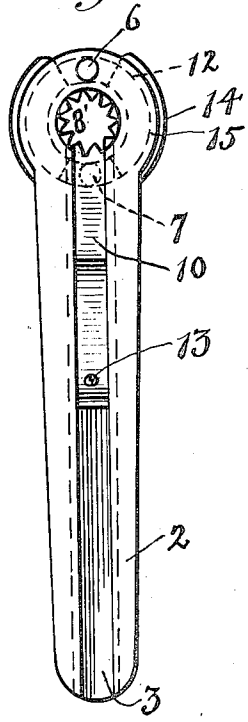
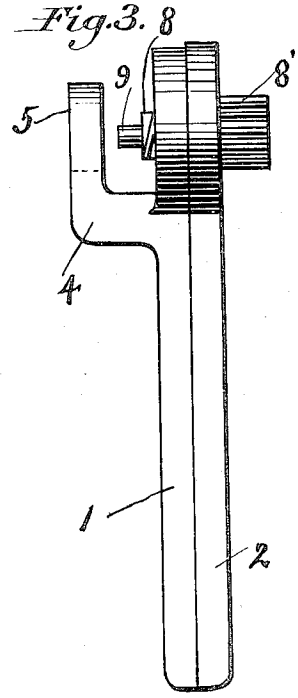


Fig. 3.



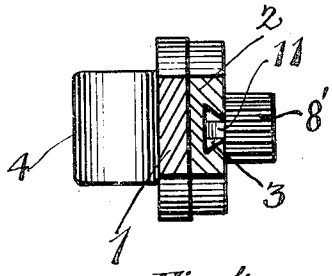


Fig. 4.

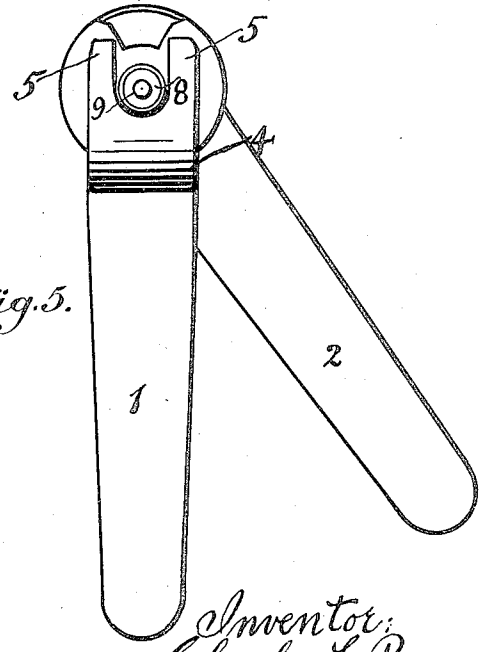


Fig. 5.

Witnesses:
Dorothy Wolfe
Joseph Sisson

Inventor:
Charles L. Bean by
Medina and Griffin Attys.

UNITED STATES PATENT OFFICE.

CHARLES L. BEAN, OF SAN JOSE, CALIFORNIA.

RIVET-PUNCH.

No. 922,660. Specification of Letters Patent. Patented May 25, 1909.

Application filed September 10, 1908. Serial No. 452,508.

To all whom it may concern:

Be it known that I, CHARLES L. BEAN, a citizen of the United States, residing at San Jose, in the county of Santa Clara and State of California, have invented a new and useful Rivet-Punch, of which the following is a specification, in such full and clear terms as will enable those skilled in the art to construct and use the same.

This invention relates to a punch used for the purpose of pushing the rivets out of chains, particularly automobile chains, although the device may be used for any similar purpose on any kind of a rivet.

An object of the invention is to produce a device that may be readily held in the hand when it is to be used and which will be provided with a lever for turning the screw used for pushing the rivet out of the hole.

Another object of the invention is to produce a punch which can be operated rapidly when the punch is not under pressure, and which can be operated with great pressure when it is necessary to break the bur on a rivet.

In the drawings, in which the same numeral of reference is applied to the same part throughout, Figure 1 is a sectional view of the punch, Fig. 2 is a side view of the same, Fig. 3 is an edge view looking in the same direction as Fig. 1, Fig. 4 is a view looking at the handle end of the punch, the handle being shown in section, and Fig. 5 is a view of the punch from the opposite side of that shown in Fig. 2, the handles being shown separated.

The numeral 1 is applied to the handle on one side and 2 to the opposite handle, said handle 2 having a long dovetailed groove 3 therein in which slides a catch 10 having a spring end 11 in which is secured a small rivet 13 to hold the slide either in the operative or the inoperative position as will be described.

The handle 1 has a head 4 which is provided with two prongs 5, as shown in Figs. 1 and 5, and into the head 4 is threaded the bolt 8 which has the rivet punch 9 and the milled head 8′, the milled head passing through a hole in the head of the handle 2.

The two handles are secured together by means of the rivets 6 and 7, said rivets having heads which snugly fit in a groove 12 in the head 4, and being placed therein at the notch in the top of said head, after which they are riveted in place and thus making impossible the removal of the two handles from each other. The milled head 8′ is cut deep enough so that the catch 10 will hold it tightly when it has been placed in the notches of the head, as shown in Fig. 2, when the two handles may be turned with respect to each other to move the rivet punch with great power to push out a rivet, the chain being secured between the two prongs 5 and the punch. When it is desired to move the punch rapidly, as when placing the same on a chain ready for punching it is not desirable to move the bolt so slowly as would be necessary with the two levers, at which time the spring 11 may be raised and the catch 10 may be slid back so the milled head can be moved with the fingers till it is tight on the rivet after which the catch may be placed in the nocthes of the milled head and the device is ready for the removal of the hardest rivet.

Having thus described my invention what I claim as new and desire to secure by Letters Patent of the United States is as follows:

1. In a rivet punch, a head having a handle secured thereto, a second head secured to the first head and adapted to rotate in the plane of the first handle, a pair of prongs secured to the first head, a rivet punching bolt threaded in the second head and means on the second head for turning the bolt to cause it to move toward the prongs.

2. In a rivet punch, a head having a handle secured thereto, a second head secured to the first head and adapted to rotate in the plane of the first head and handle, a pair of prongs secured to the first head and at a distance therefrom, a bolt screwed into the first head and having a rivet punching point and a milled head, a catch slidable in the second handle and adapted to take in the milling of the head of said bolt, and means to secure said slide in the operative and inoperative positions.

3. In a rivet punch, a head having a handle and a pair of prongs at a distance from the head, a bolt screwed into said head and having a rivet punching point and a milled head, a second head secured to the first head and adapted to rotate in the plane of the handle thereon said second head having a handle with a long dovetailed slot therein, a slide adapted to move in said slot to secure the milled head, and means to hold the slide in the operative and the inoperative positions.

4. In a rivet punch, a head having a han-

dle secured thereto, a pair of prongs carried by said head at a distance therefrom, a bolt threaded into said head, a second head adapted to rotate the bolt, and a handle secured to the second head.

5. In a rivet punch, a head having a handle secured thereto, a pair of prongs secured to the head and spaced therefrom, a bolt threaded into the head and adapted to move between the two prongs, a second head secured to the first head and through which said bolt passes, and a handle secured to said second head to rotate the head and bolt.

In testimony whereof I have set my hand this 5 day of September A. D. 1908, in the presence of two subscribed witnesses.

CHARLES L. BEAN.

Witnesses:
C. P. GRIFFIN,
W. T. HESS.