

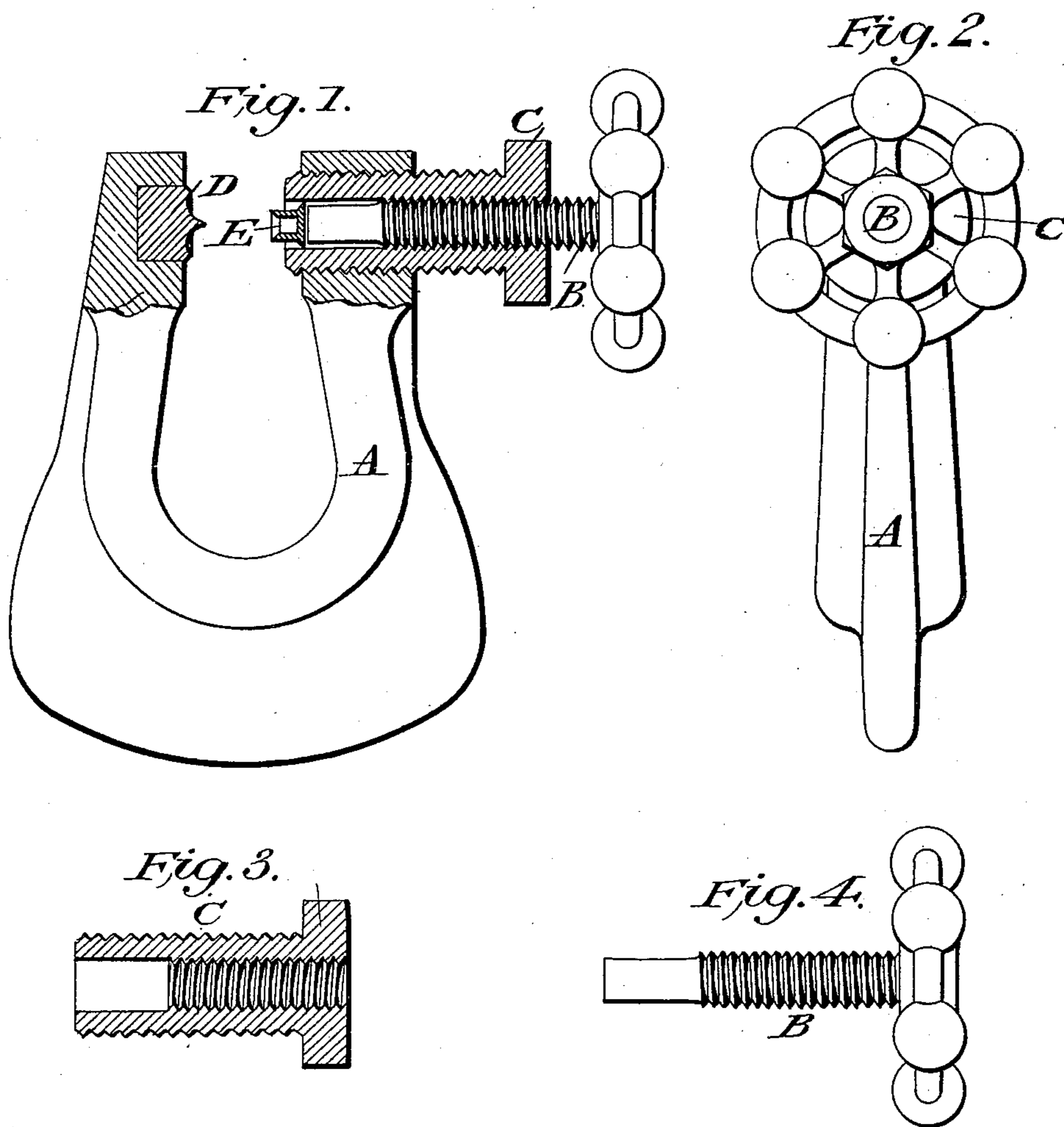
No. 667,278.

Patented Feb. 5, 1901.

O. YAGER.  
RIVETING DEVICE.

(Application filed May 11, 1899.)

(No Model.)



Witnesses:

Shadrach Erving  
Lydia Davy.

Inventor:

Oscar Yager by  
Charles L. Nelson, atty.

# UNITED STATES PATENT OFFICE.

OSCAR YAGER, OF KEOKUK, IOWA.

## RIVETING DEVICE.

SPECIFICATION forming part of Letters Patent No. 667,278, dated February 5, 1901.

Application filed May 11, 1899. Serial No. 716,466. (No model.)

*To all whom it may concern:*

Be it known that I, OSCAR YAGER, a citizen of the United States, residing at Keokuk, Lee county, Iowa, have invented a new and useful Riveting Device, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in riveting-machines for riveting leather and rubber bands or where any kind of riveting is done in leather, as harness, &c. I attain this object by the mechanism in the accompanying drawings, in which—

Figure 1 is an elevation of the clamp-frame with sectional view of the connection of the different parts of the entire invention. Fig. 2 is a front elevation of the same. Fig. 3 is a sectional view of a rivet-carrying sleeve. Fig. 4 is an elevation of the pressure-screw. Similar letters refer to similar parts throughout the entire drawings.

A is a clevis-shaped clamp-frame made of one piece of metal. One end of this frame is left wider and thicker than the other end. Through this end is inserted a rivet-carrying sleeve which is made of a hollow piece of iron, the outer end of which is provided with a thumb-wheel for the purpose of turning the same. This sleeve is provided with threads on the outside which correspond with the threads in the hole through the thick end of the clamp-frame, so that by screwing the sleeve down it presses the leather or the matter to be riveted down upon the anvil D, inserted on the inside of the other end of the clamp-frame, and by unscrewing the same it is released. This sleeve is marked C in the drawings. The inside of this sleeve is provided with threads little more than half-way through from the outer end, which corresponds to the threads on the pressure-key B. B is also provided with a thumb-wheel on the outer end for the purpose of screwing it down and forcing the rivet through the solid leather.

D is a miniature steel anvil set in the inside

of the smaller end of the clamp-frame, as shown in Fig. 1. This anvil consists of a round piece of steel with a raised point in the center, so constructed that when the end of the hollow rivet strikes the anvil it drops immediately over this point, and is thereby split and the slivers turned outward, and by the continued pressure become clenched.

E is a steel rivet the small or outer end of which is hollow, as is shown in Fig. 1, and is also there shown in its proper position before being inserted into the leather.

A plan of the operation of this device may be stated as follows: Drop the rivet into the sleeve and turn the hand-wheel up until the rivet is level with the end of the sleeve. Now put the pieces to be riveted between the sleeve and anvil and screw the sleeve down onto the pieces you wish to rivet with a slight pressure, and then screw the little hand-screw down as far as it will go. The rivet being of steel forces its way through the leather and is clenched without further attention.

What I claim as new, and for which I desire Letters Patent, is—

1. A riveting implement comprising a U-shaped frame having an anvil in one of its ends, a tubular rivet-guide adjustable in the other end in line with the anvil, and a screw-threaded plunger adjustable in said rivet-guide to set the rivet.

2. A riveting implement comprising a U-shaped body carrying an anvil in one of its ends, a screw-threaded aperture in the other end in line with said anvil, a tubular clamping-screw adjustable in said apertured end to clamp the work against the anvil, an interior screw-thread in said tubular screw, and a screw-threaded plunger working in said tubular screw to set the rivet, substantially as described.

OSCAR YAGER.

Witnesses:

MAY SCOTT,

F. M. BALLINGER.