

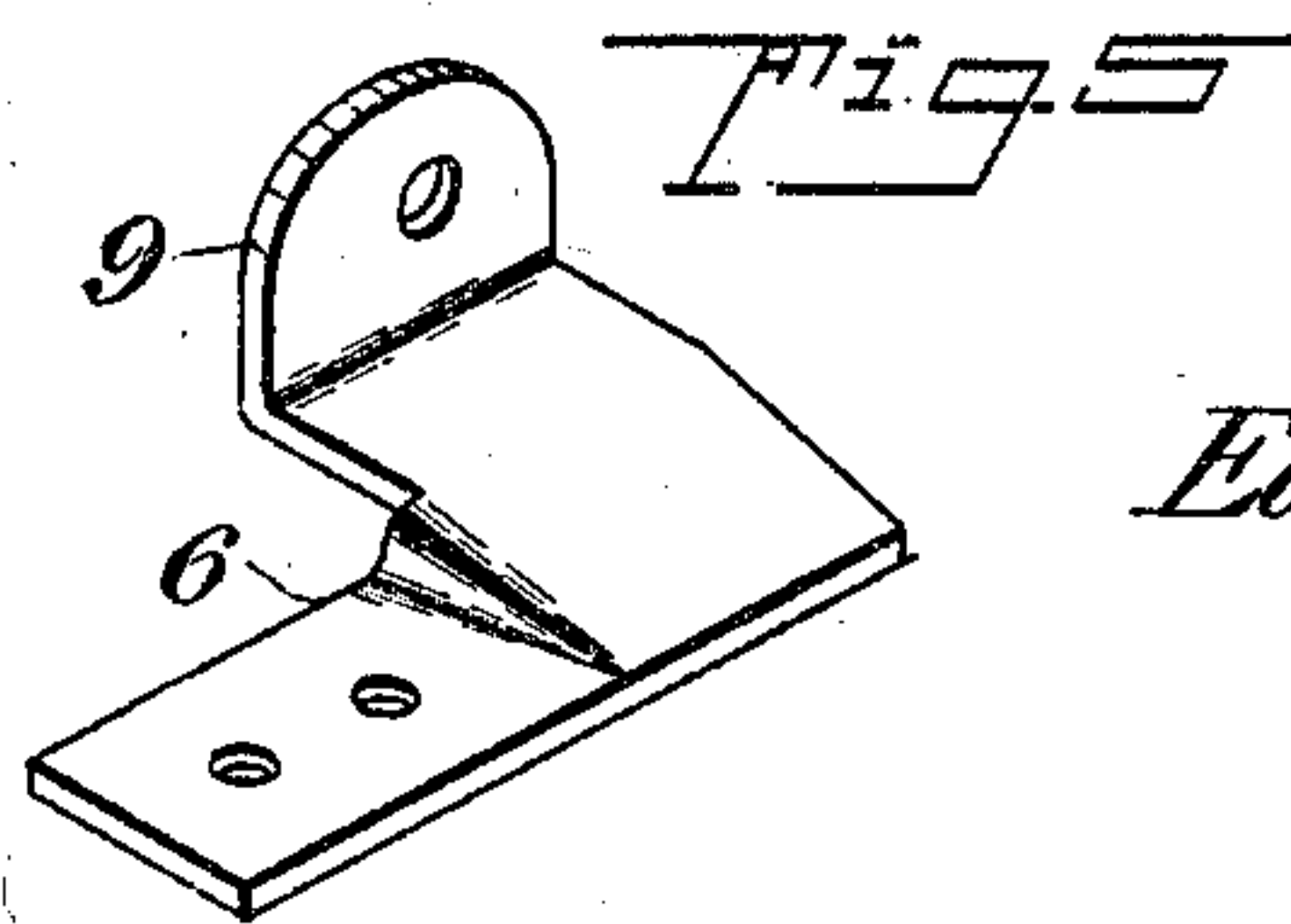
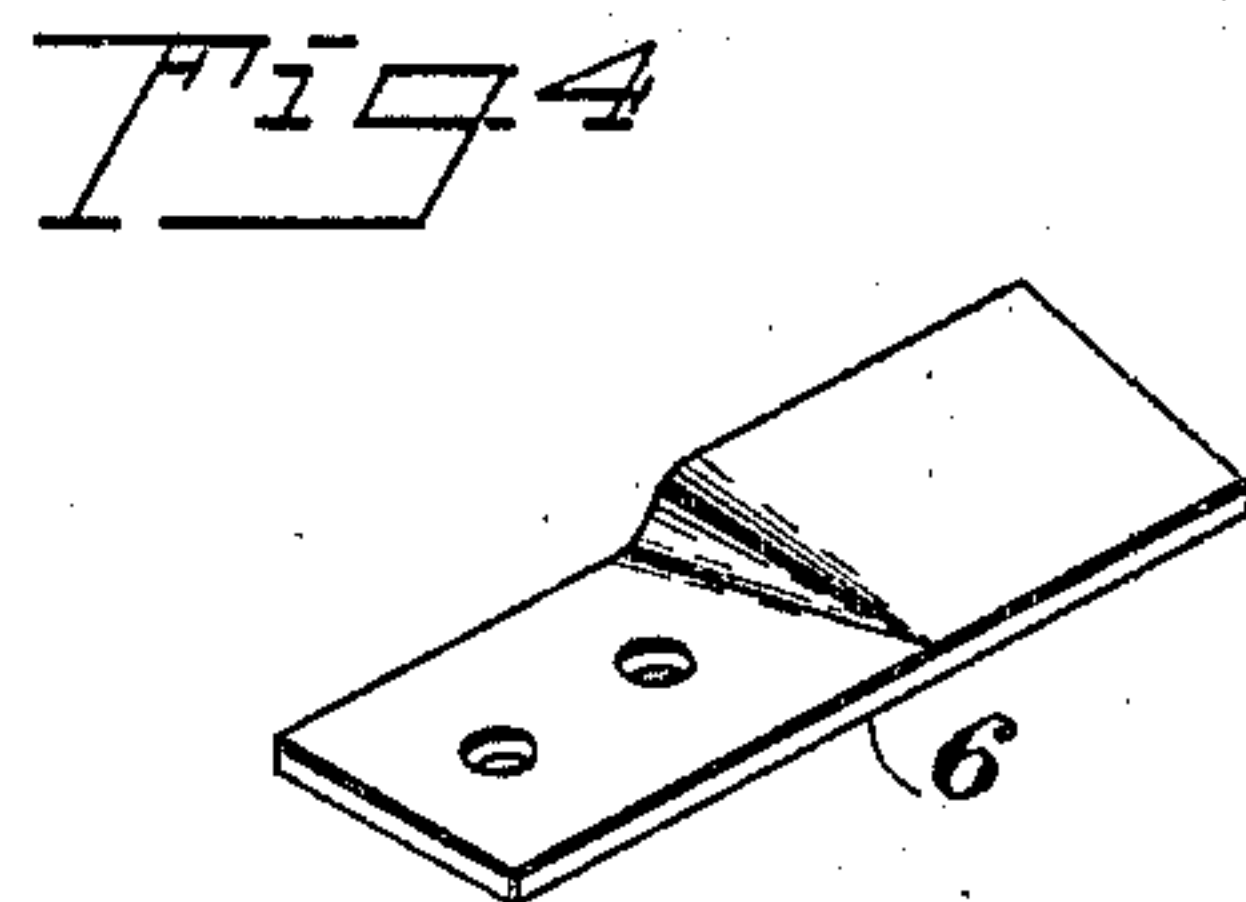
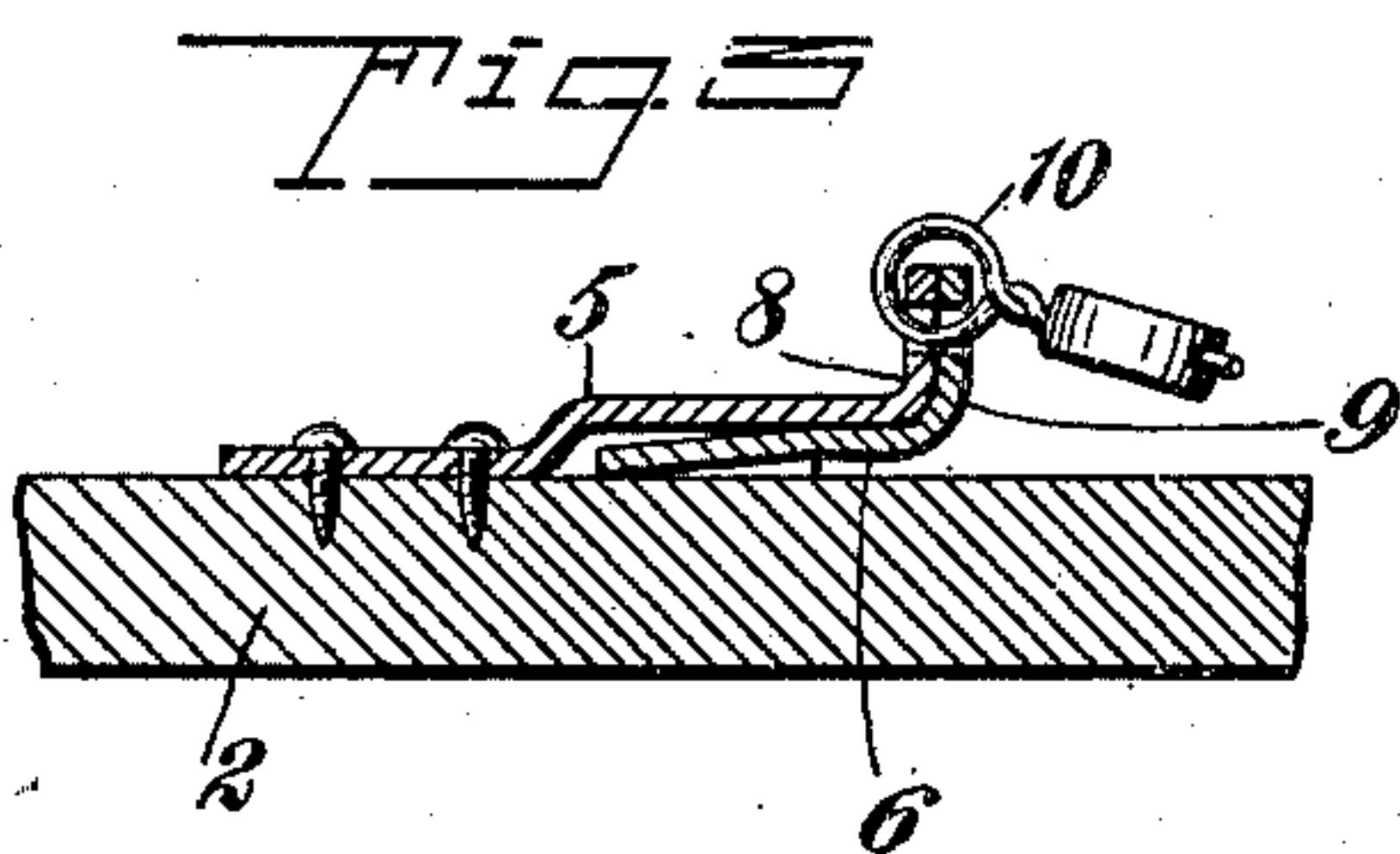
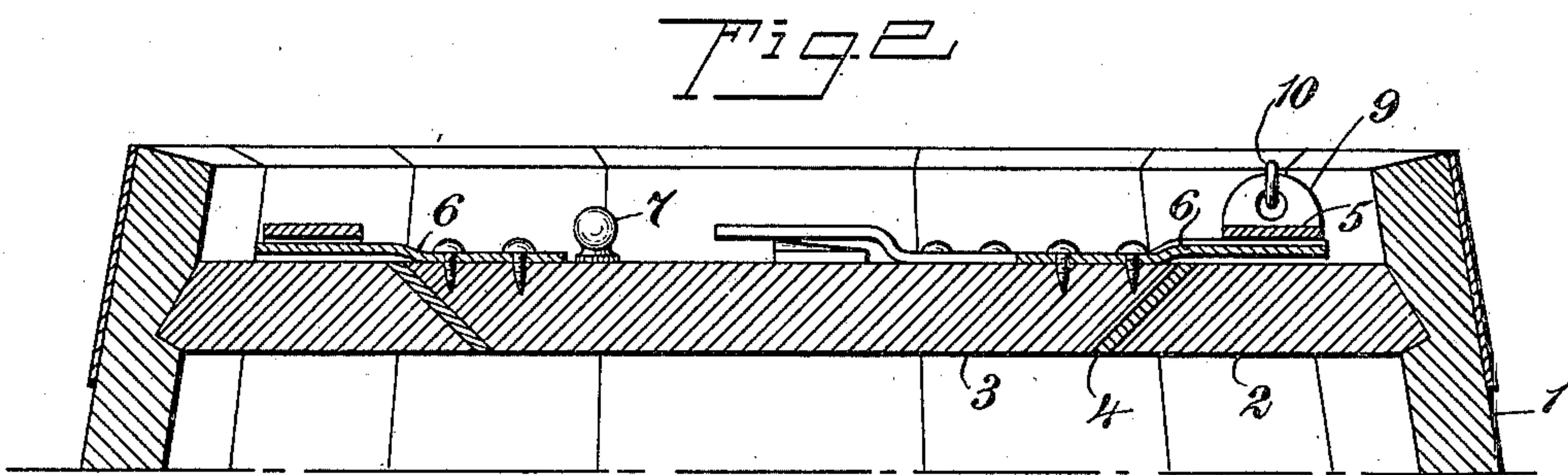
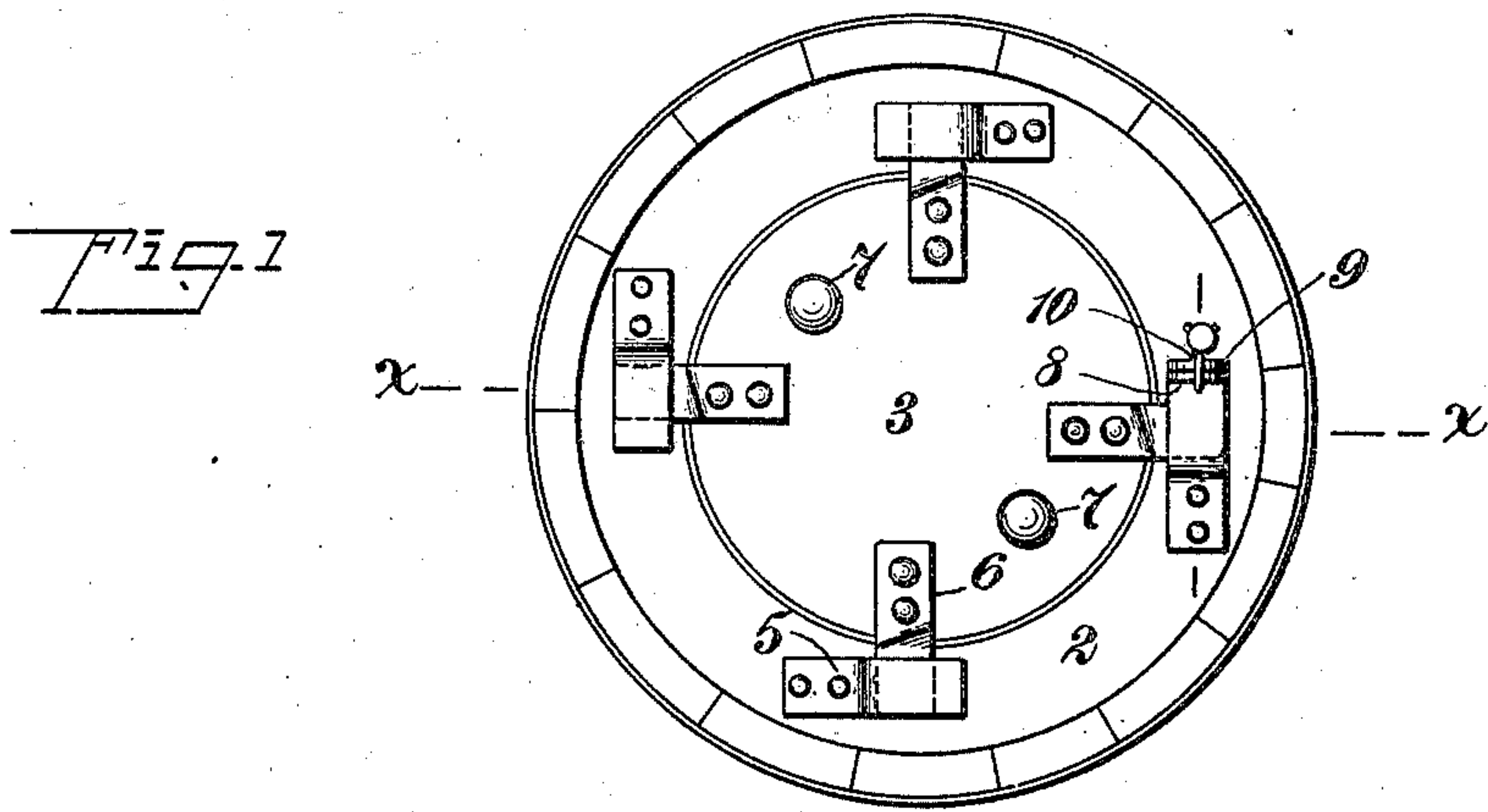
No. 708,412.

Patented Sept. 2, 1902.

E. C. SHEARS.
BARREL HEAD FASTENING.

(Application filed Jan. 9, 1902.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWARD CROSSMAN SHEARS, OF LAKOTA, NORTH DAKOTA.

BARREL-HEAD FASTENING.

SPECIFICATION forming part of Letters Patent No. 708,412, dated September 2, 1902.

Application filed January 9, 1902. Serial No. 89,011. (No model.)

To all whom it may concern:

Be it known that I, EDWARD CROSSMAN SHEARS, a citizen of the United States, and a resident of Lakota, in the county of Nelson and State of North Dakota, have invented a new and Improved Barrel-Head Fastening, of which the following is a full, clear, and exact description.

This invention relates to improvements in barrel-head fastenings; and the object is to provide a head and fastenings that may be removed or inserted without breaking or otherwise damaging the barrel-staves, and, further, to provide, in connection with a fastening, a means for attaching a seal.

I will describe a barrel-head fastening embodying my invention and then point out the novel features in the appended claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view showing a barrel-head, showing fastenings embodying my invention. Fig. 2 is a section on the line xx of Fig. 1 and on an enlarged scale. Fig. 3 is a sectional detail showing the seal-attaching devices, and Figs. 4 and 5 are perspective views of interlocking plates employed.

Referring to the drawings, 1 designates a barrel substantially of the usual construction, and the head consists of two members 2 3, the member 2 being in the form of a ring and engaging in the chime of the barrel, while the member 3 is arranged to engage in the ring portion. The wall of the member 3 is inclined or beveled, as is also the inner wall of the ring member 2, and to provide a water and air tight joint I may employ a bushing 4 of cork or other material not affected by moisture or acids, such as vinegar.

Attached to the ring member 2 at suitable intervals are keeper-plates 5, and attached to the member 3 are the locking-plates 6, designed to engage the keeper-plates 5. The upper surfaces of the plates 6, which engage with the under surfaces of the plates 5, are beveled or inclined, so that when the cover portion 3 is turned with the plates 6 underneath the plates 5 the said member 3 will be forced into tight connection with the ring member 2. For convenience in rotating the member 3 and for lifting it out of position I provide it with handles 7. For locking the head member 3 in position during transportation or the like I provide one of the plates 5 and its engaging plate 6 with upwardly-extended ends 8 9, which are provided with openings to receive a sealing-wire 10, as clearly indicated in Fig. 3.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

In a barrel-head fastening a ring-like member secured to a barrel, and a member removably engaging with the ring-like member, locking-plates attached to the ring-like member, and plates attached to the removable member and adapted to engage the under sides of the first-named plates, the said plates secured to the removable member having inclined upper surfaces, one interlocking pair of plates having their ends turned upward and perforated to receive a sealing-wire, substantially as specified.

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

EDWARD CROSSMAN SHEARS.

Witnesses:

C. N. FRICH,

S. A. FLOREN.