

No. 837,781.

PATENTED DEC. 4, 1906.

G. BLOCK.
HINGE FOR COVERS OF VESSELS.
APPLICATION FILED JULY 31, 1906.

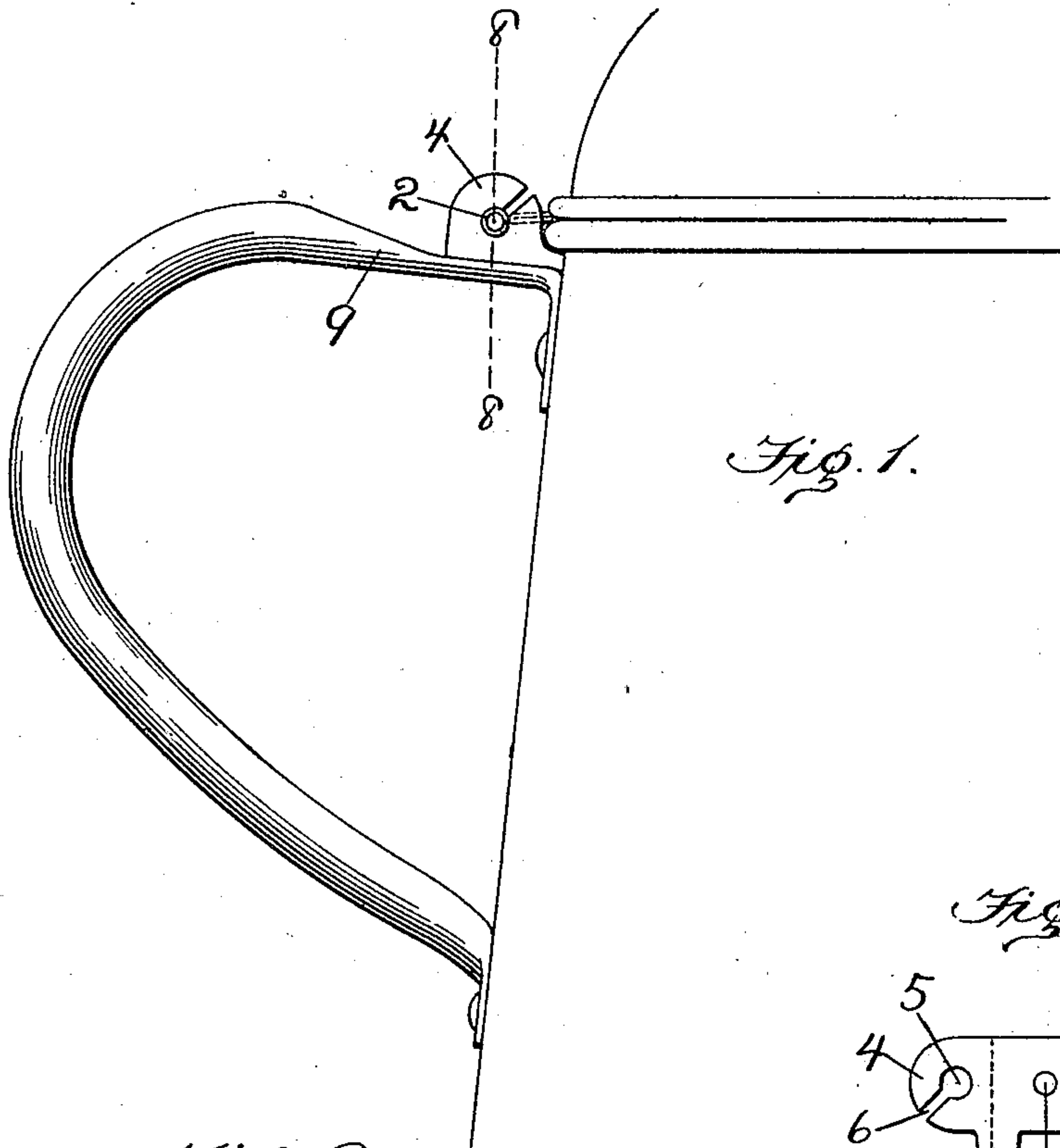


Fig. 1.

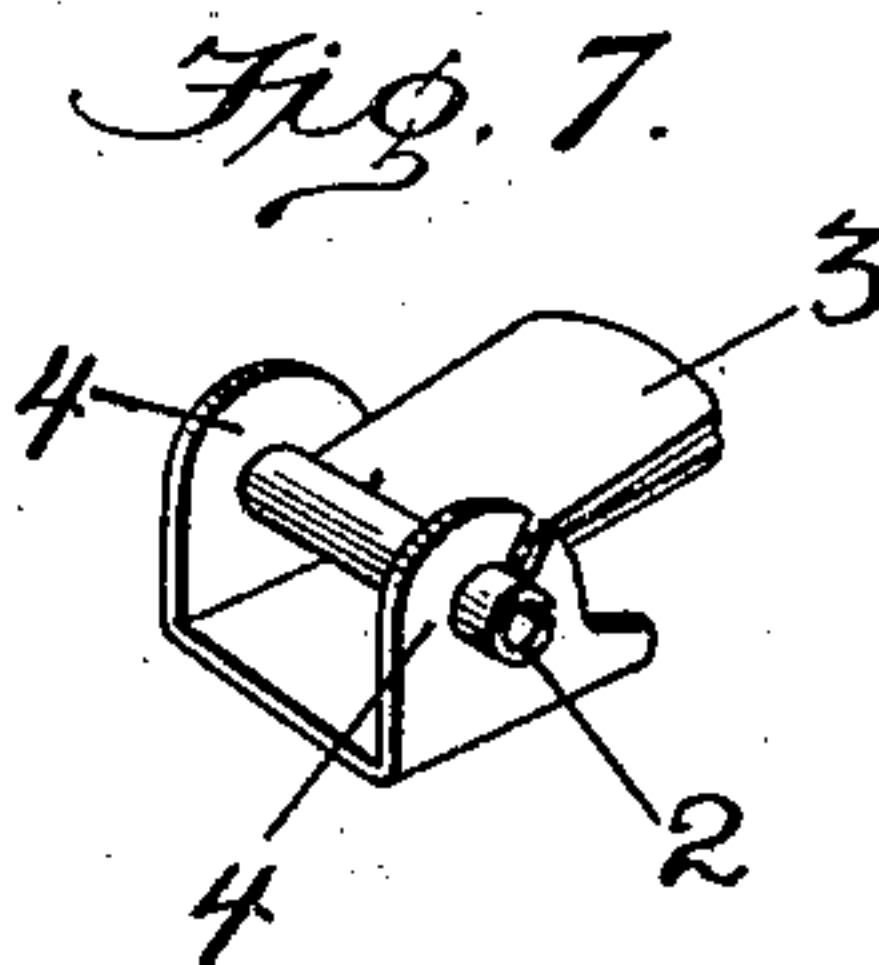
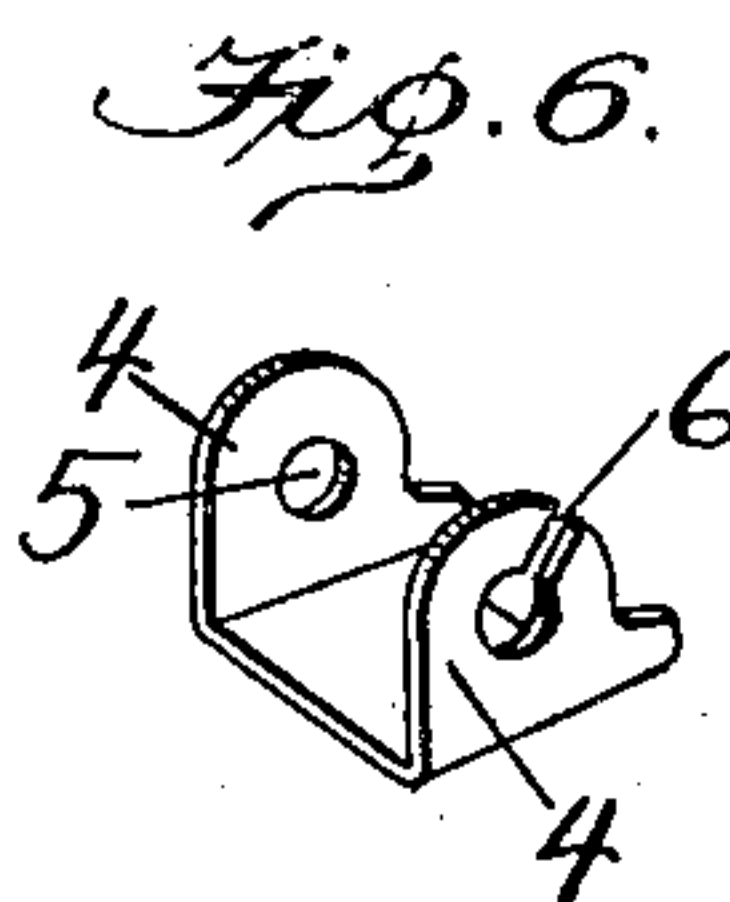
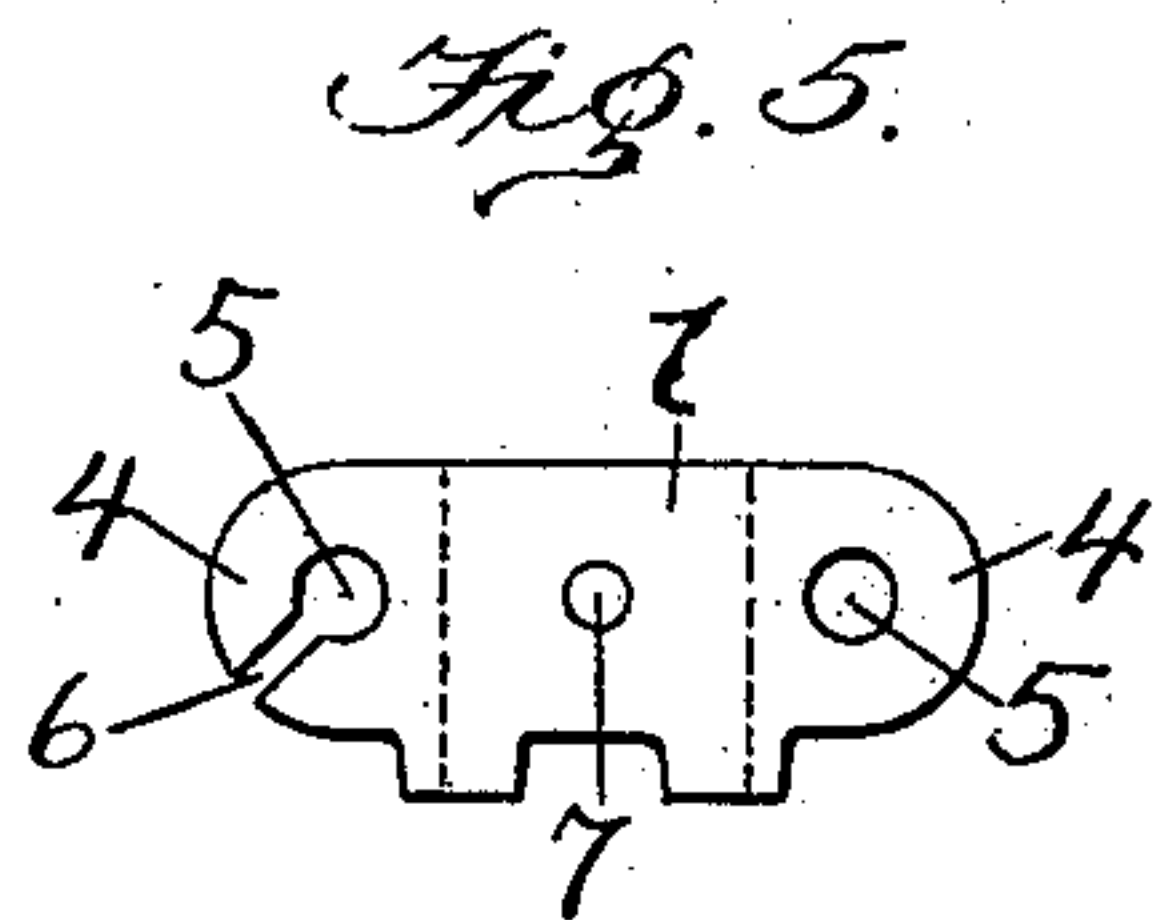
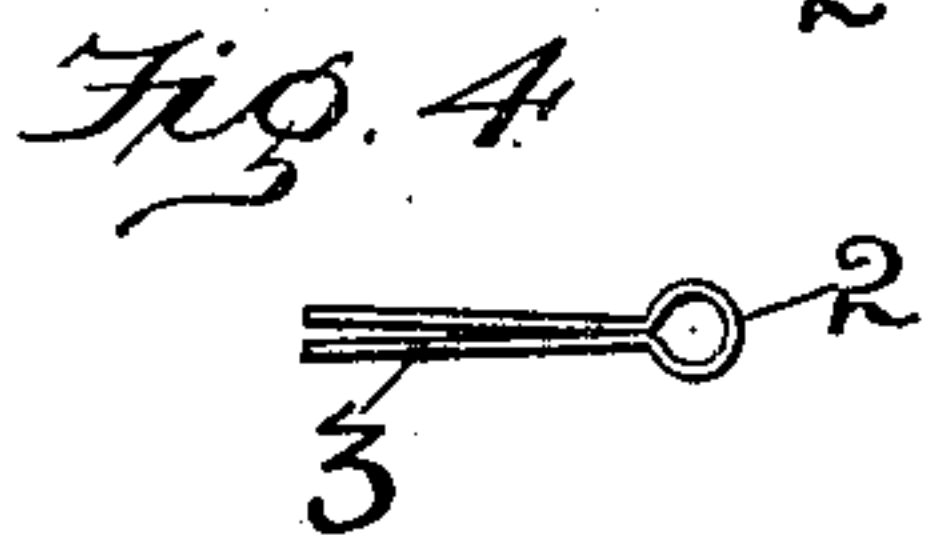
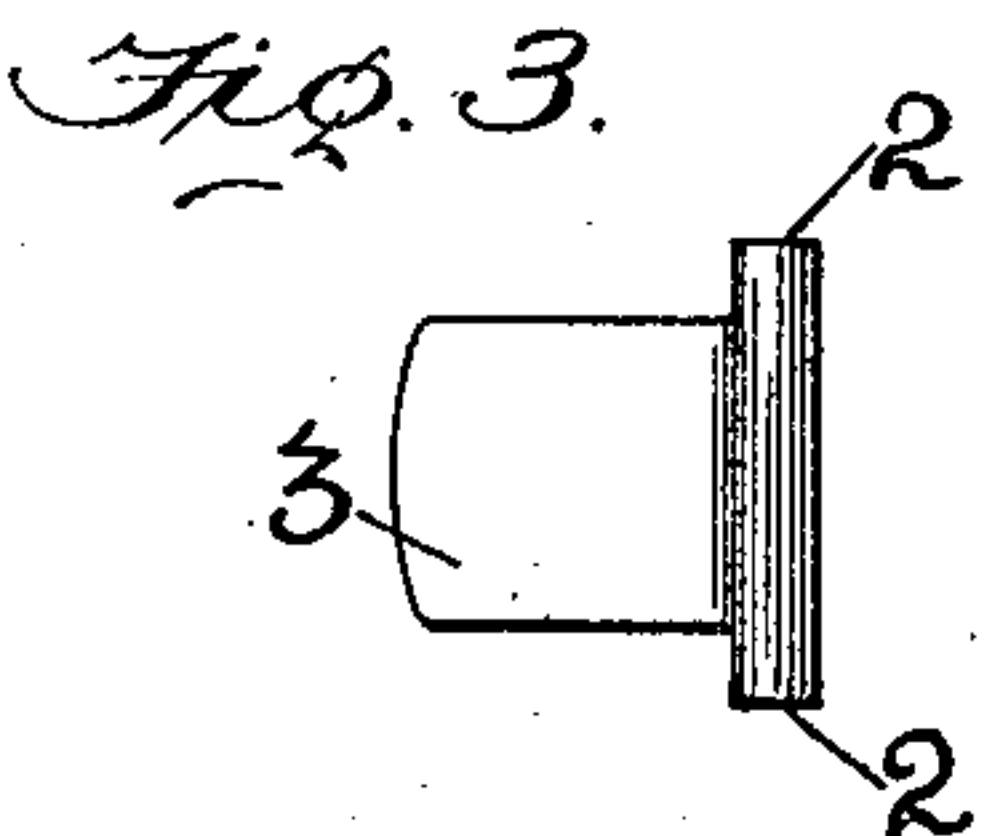
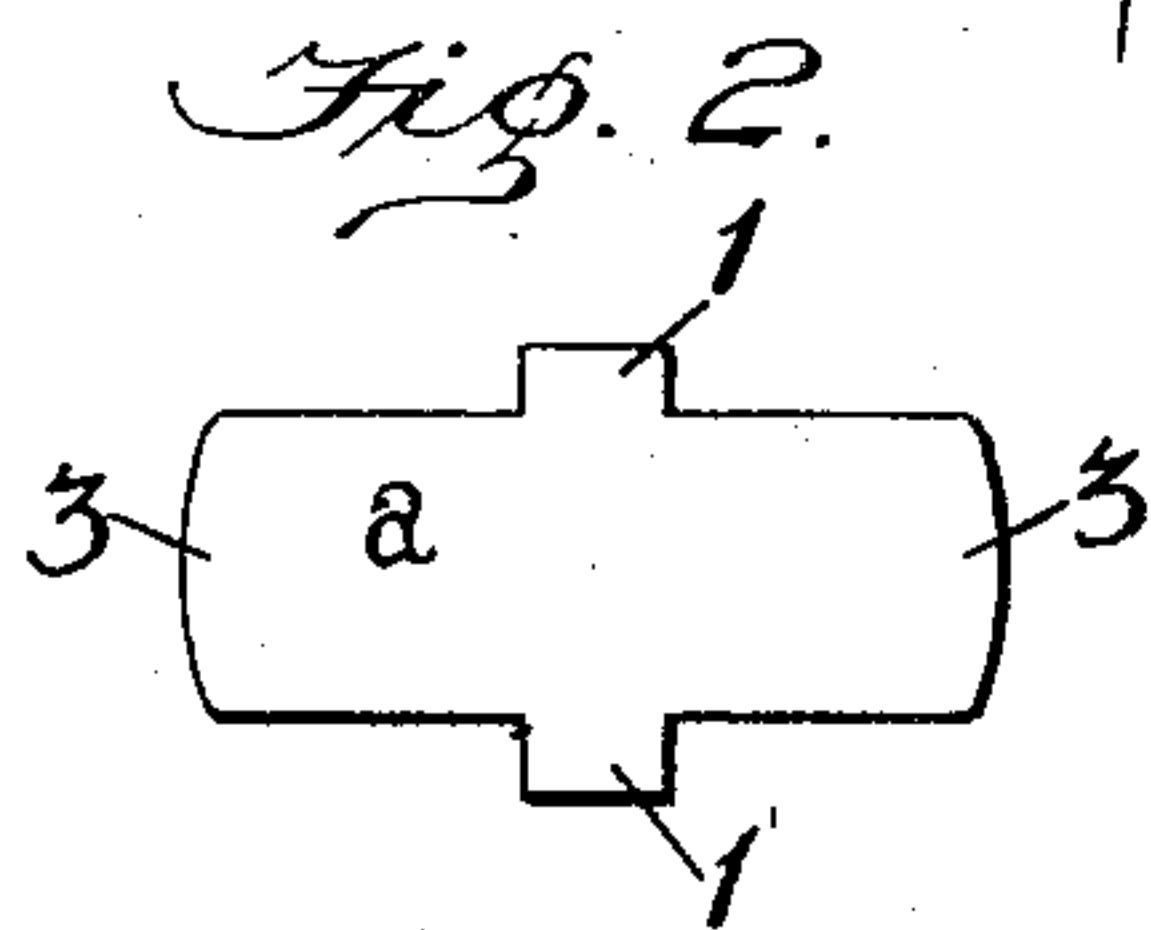
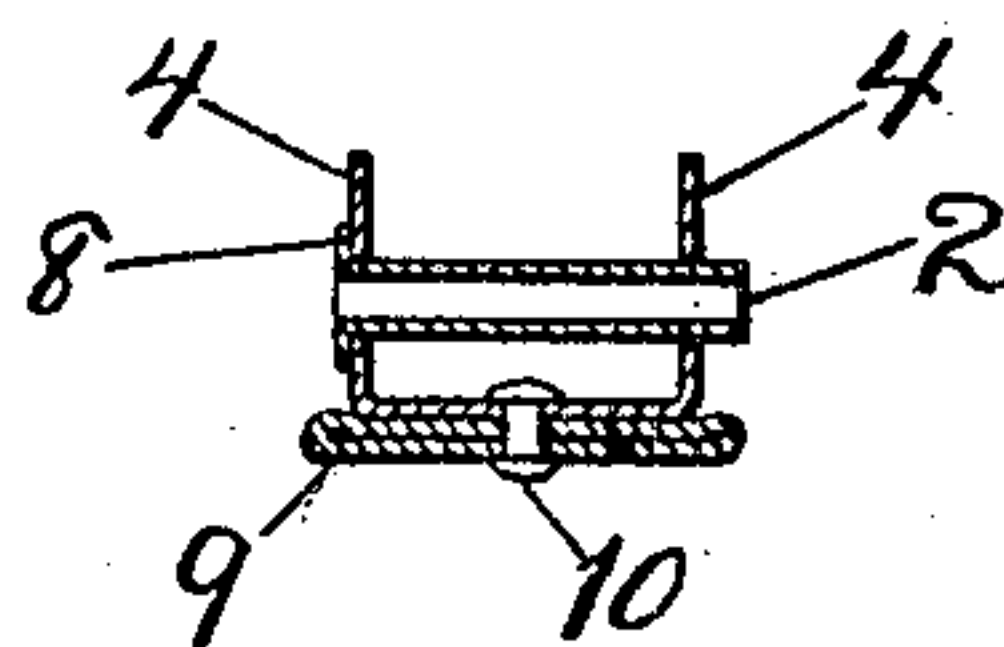


Fig. 8.



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UNITED STATES PATENT OFFICE.

GOTTHOLD BLOCK, OF NEW YORK, N. Y., ASSIGNOR TO NATIONAL ENAMELING AND STAMPING COMPANY, A CORPORATION OF NEW JERSEY.

HINGE FOR COVERS OF VESSELS.

No. 837,781.

Specification of Letters Patent.

Patented Dec. 4, 1906.

Application filed July 31, 1906. Serial No. 328,529.

To all whom it may concern:

Be it known that I, GOTTHOLD BLOCK, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Hinges for Covers of Vessels, of which the following is a specification.

This invention relates to an improved hinge made wholly of two pieces of sheet metal and without a pintle-pin. The hinge is of a type adapted especially for securing covers to tea and coffee pots.

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

Figure 1 shows a side view of the hinge in connection with a coffee-pot, its cover, and handle. Fig. 2 is a view of the sheet-metal blank from which the swinging part of the hinge is made. Figs. 3 and 4 are views of the swinging part of the hinge which has been formed from the blank shown in Fig. 2. Fig. 5 is a view of the sheet-metal blank from which the stationary part of the hinge is made. Fig. 6 is a perspective view of the stationary part of the hinge formed from the blank shown in Fig. 5. Fig. 7 is a perspective view of the complete hinge. Fig. 8 is a sectional view of the two hinge parts and also the end of the handle, taken on the line 8 8 in Fig. 1.

Referring to the drawings, it will be seen that the hinge is made of two blanks *a b* of sheet metal. The swinging part of the hinge is formed from the blank *a*, and the stationary part is formed from the blank *b*.

The blank for the swinging part has at each of its two longer sides a central tang 1. When this blank is folded to bring its two ends 3 together, as in Figs. 3 and 4, the central part, including the two tangs, is rounded in the form of a tube whose ends project and constitute trunnions 2. When thus folded, the flat ends 3 are in contact, or nearly so.

The blank *b* for the stationary part of the hinge has its ends rounded, as at 4. Each end has a hole 5, and one end has a slot 6 cut from said hole 5 to the rounded edge. At the center is a hole 7 for a rivet. Both of the rounded ends 4 are bent at a right angle with respect to the center part. The space between the two bent-up ends 4 is of width to exactly receive the width of the flat ends 3 of

the swinging part, and the holes 5 are of size to receive the trunnions.

It will now be understood that a person may easily take one of the swinging parts after the trunnions have been formed, as in Fig. 3, and insert one trunnion into the hole 5 of that rounded end which has the slot 6. The two flat ends 3 will have their edges presented to the slot 6 and will pass through said slot, and then the same trunnion may finally be entered into the hole 5 of the solid rounded end. This position of the parts leaves the two trunnions in the two holes 5 and will permit the flat ends 3 to swing freely, as indicated in Fig. 7.

By expanding the end of the tubular trunnion 2 on the outside of the solid rounded end 4, and thereby forming a flange 8 on said trunnion end, as seen in Fig. 8, the swinging part of the hinge will be retained and it will be impossible to detach it.

If the stationary part of the hinge is to be secured to the handle 9 of a tea or coffee pot close to the body of the vessel, as in the drawings, a rivet 10 is secured in the central hole 7, and said rivet also passes through a hole in the handle, as indicated in Fig. 8. The handle itself is secured to the body of the vessel.

The flat ends 3 of the swinging part of the hinge are to be secured to the cover of the vessel.

It will be seen that this hinge will securely attach the cover to the vessel and allow the cover to swing.

It is to be understood that the hinge may be applied in any preferred way and that the stationary part of the hinge may be secured differently from that here shown.

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

1. A hinge to connect covers to vessels comprising two parallel projecting ends each having a pivot-hole and one end provided with a slot extending from the pivot-hole to the outer edge, and a free end adapted to pass edgewise through the said slot and having tubular trunnions which rest in said pivot-holes, said free end attached to the cover of a vessel.

2. A hinge comprising two parts—a stationary part having a central portion and two ends projecting therefrom at a right

angle and each end having a pivot-hole and one end provided with a slot extending from the pivot-hole to the outer edge; and a swinging part having a free end and tubular trunnions
5 which take in the said pivot-holes.

3. A hinge comprising two parallel projecting ends each having a pivot-hole and one end provided with a slot extending from the pivot-hole to the outer edge, and a free
10 end adapted to pass edgewise through the said slot and having tubular trunnions which rest in said pivot-holes, whereby the free end may swing.

4. A hinge comprising two parallel pro-

jecting ends each having a pivot-hole and one end provided with a slot extending from the pivot-hole to the outer edge, and a swinging part folded with its two ends together and at said fold a rounded tubular formation whose ends project and serve as trunnions
20 which rest in said pivot-holes.

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

GOTTHOLD BLOCK.

Witnesses:

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