No. 889,539. PATENTED JUNE 2, 1908.

R. J. MORG.

HINGE.

APPLICATION FILED APR. 19, 1907.

*Fig. 1.*

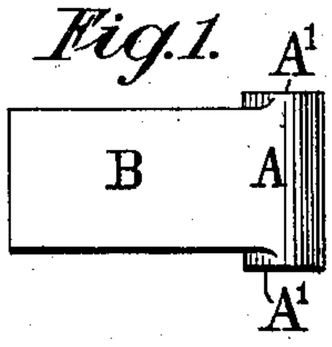



*Fig. 2.*

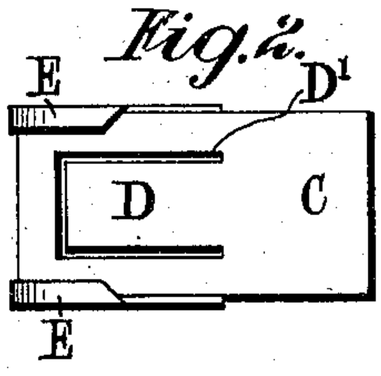



*Fig. 3.*

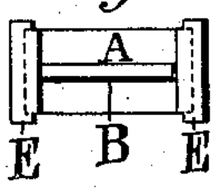



*Fig. 4.*

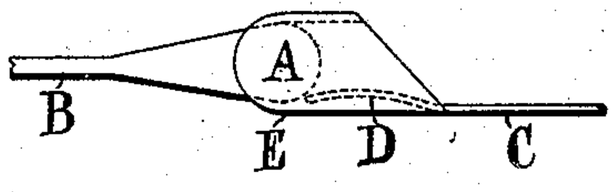



*Fig. 5.*

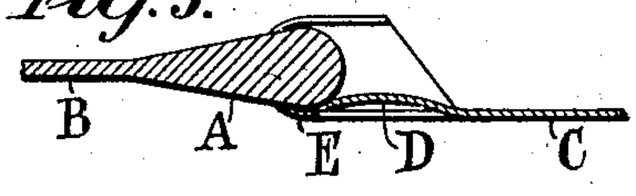



*Fig. 6.*

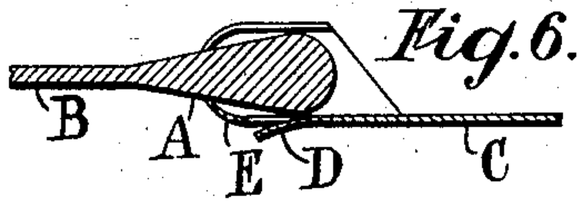
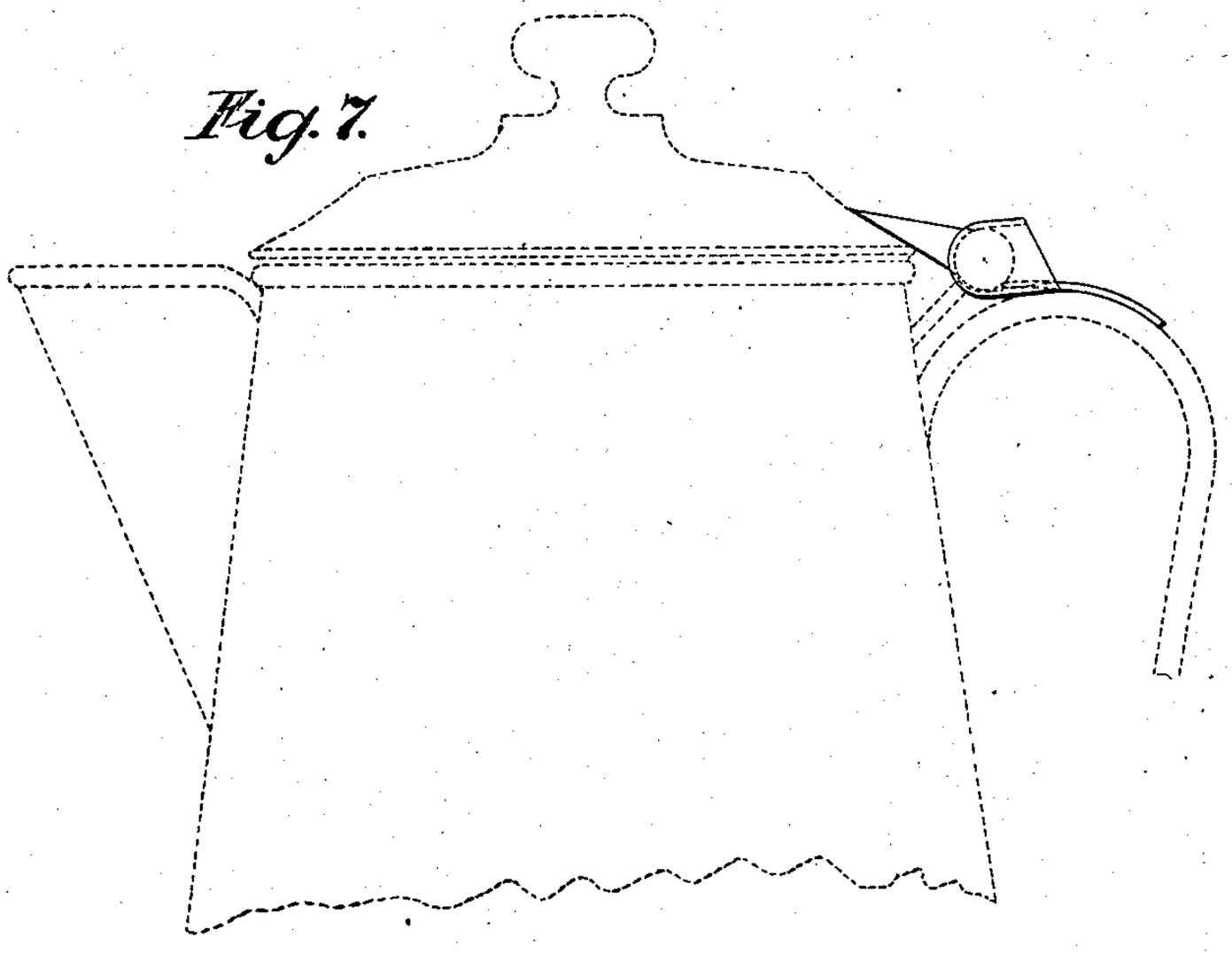



*Fig. 7.*



Witnesses:
A. H. Serrell
Chas. H. Smith

Inventor:
Richard J. Morg.
By Harold Serrell
Attorney.

# UNITED STATES PATENT OFFICE.

RICHARD J. MORG, OF NEW YORK, N. Y.

## HINGE.

No. 889,539. Specification of Letters Patent. Patented June 2, 1908.

Application filed April 19, 1907. Serial No. 369,103.

*To all whom it may concern:*

Be it known that I, RICHARD J. MORG, a citizen of the United States, residing at the borough of Manhattan, city, county, and State of New York, have invented an Improvement in Hinges, of which the following is a specification.

My invention relates to hinges and particularly to a slip joint hinge adapted for use in connecting lids or covers to containing vessels in such a manner that normally the lid or cover of a vessel may be swung to a sufficiently large angle to permit of conveniently filling the vessel and which at the same time permits the lid or cover to be readily removed from the body of the vessel for cleansing the same or for other purposes.

In carrying out my invention, my improved hinge preferably comprises two strap members, the one provided at one end thereof with suitable trunnions and adapted to be connected to the cover or lid of a vessel and the other member which is adapted to be connected to the body of the vessel is preferably provided with suitable bearings into and out of which the said trunnions may be passed against a means adapted to normally maintain the said trunnions in position within the said bearings, as will be hereinafter more particularly described.

In the drawing, Figure 1 is a plan view of the trunnion member of my improved hinge. Fig. 2 is a similar view of the bearing member. Fig. 3 is an end view of the parts in their normal positions. Fig. 4 is a side elevation of the same. Fig. 5 is a central longitudinal section of the parts forming my improved hinge showing the same in their operative positions. Fig. 6 is a similar view showing the position the parts assume when one is seated within the other, and Fig. 7 is an elevation illustrating the use of my improved hinge on a coffee-pot.

Referring particularly to the drawing, B designates a strap member adapted to be secured in any suitable manner to the lid or cover of a vessel and provided at the opposite sides of the end A with trunnions $A^1$. C designates a strap member likewise adapted to be connected in any suitable manner to a body portion or handle of a coffee-pot as illustrated in Fig. 7, or any other containing vessel.

One end of the strap member C is provided with slide-ways E adapted to receive the trunnions $A^1$ and in the base of the slide-ways E are suitable bearings in which the trunnions $A^1$ work. The strap member C is also provided with a spring D preferably made integral therewith by cutting the strap member C as indicated at $D^1$; this spring D being so formed and the parts so adjusted that by passing the trunnions into the slide-ways E and seating the same in the bases of these slide-ways, the end A of the strap member B is caused to be snapped over the spring D, the end of which latter and the trunnions $A^1$ are seated within the bearings aforesaid and bear against the end A of the strap member B to maintain the same with the trunnions $A^1$ in their operative positions within the said bearing at the bases of the slide-ways E.

It will be apparent from the foregoing description, that when the parts of the hinge are in their operative position, the lid of a vessel may be opened to a sufficient extent for all practical purposes and may as readily be removed from the vessel by passing the trunnions along the slide-ways E, thereby forcing the end A of the strap member B over the spring D.

I claim as my invention:

1. A hinge comprising two strap members, trunnions at one end of one of said strap members, side and end bearings at one end of the other strap member adapted to receive the said trunnions, and a spring cut from the metal of the latter strap member for normally maintaining the said trunnions in position in the said bearings.

2. A hinge comprising two strap members, the one provided with trunnions at one end thereof and the other with slideways having bearings at the bases thereof adapted to receive the said trunnions, and a yielding stop for holding the trunnions in position.

3. A hinge comprising two strap members, the one provided with trunnions at one end thereof and the other with slide-ways having bearings at the bases thereof adapted to receive the said trunnions, and a spring connected to the said other strap member and adapted at its extremity to normally bear against the end of the first aforesaid strap member adjacent to the trunnions thereon to maintain the same in position within the said bearings.

RICHARD J. MORG.

Witnesses:
OTELIA E. ALESSIO,
MYRTLE F. BULSON.