T. E. MURRAY.

SEAL FASTENING.

APPLICATION FILED OCT. 5, 1912.

1,054,440. Patented Feb. 25, 1913.

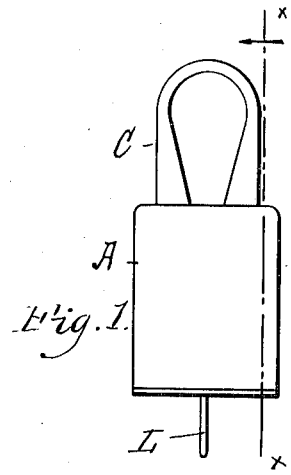

Fig. 1.

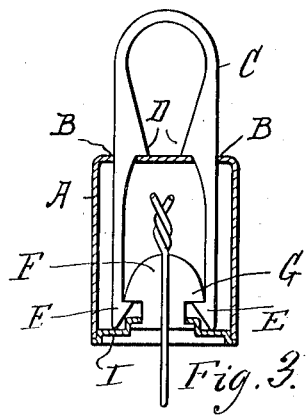

Fig. 3.

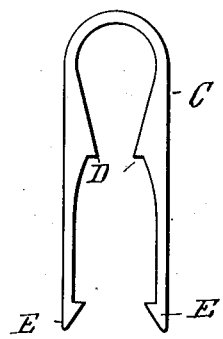

Fig. 4.

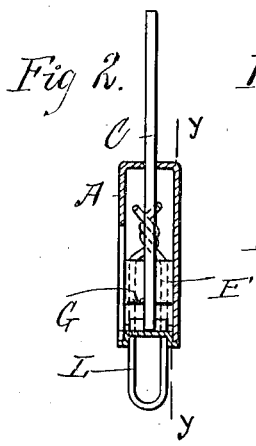

Fig. 2.

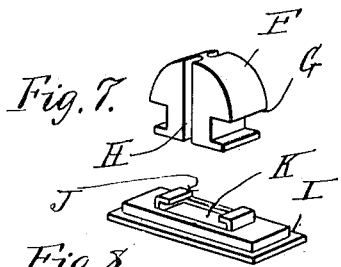

Fig. 7.

Fig. 8.

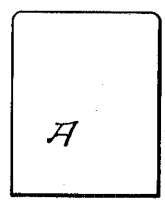

Fig. 5

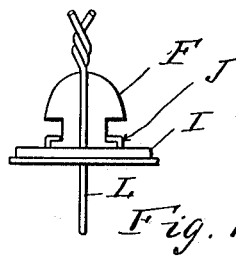

Fig. 10.

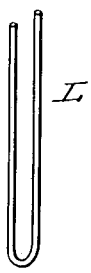

Fig. 9.

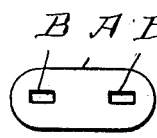

Fig. 6

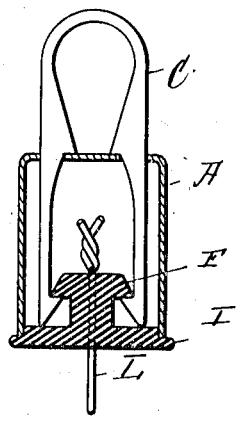

Fig. 11.

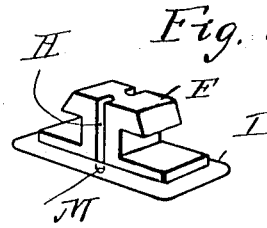

Fig. 12.

Witnesses:
Gertrude P. Porter.
May T. McHarry.

Inventor.
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By his Attorney
Paul Benjamin

UNITED STATES PATENT OFFICE.

THOMAS E. MURRAY, OF NEW YORK, N. Y.

SEAL-FASTENING.

1,054,440. Specification of Letters Patent. Patented Feb. 25, 1913.

Application filed October 5, 1912. Serial No. 724,030.

To all whom it may concern:

Be it known that I, THOMAS E. MURRAY, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Seal-Fastenings, of which the following is a specification.

The invention is a seal fastening, constructed more particularly to prevent access to the connected ends of a wire strap, and consists in the construction hereinafter set forth.

In the accompanying drawings—Figure 1 is a side elevation of my seal fastening, with the shackle in place. Fig. 2 is a section on the line x, x of Fig. 1. Fig. 3 is a section on the line y, y of Fig. 2. Fig. 4 shows the shackle separately. Fig. 5 shows the shell separately. Fig. 6 is a top view of the shell. Figs. 7, 8 and 9 respectively show the locking head, the closure, and the wire strap, the ends of which are twisted together within the shell. Fig. 10 shows assembled the parts represented separately in Figs. 7, 8 and 9. Fig. 11 is a section of a modified form of my fastening, and Fig. 12 shows the locking head and closure of said modified form, made of a single piece of porcelain or other fictile material.

Similar letters of reference indicate like parts.

The shell A, preferably of thin metal, is open on its lower side and in its upper side has two holes B, for the reception of the resilient arms of shackle C. Said shackle is shouldered on the inner side of each arm, as shown at D, and is provided with inwardly turned latches E at the end of each arm. The locking head F is preferably rounded on its upper side, and beneath said rounded portion has transverse grooves forming shoulders G. On each side of the head are vertical grooves H. The closure I, which is of metal, is received in the open side of the case, and is provided with an opening K, with flanged-over guides J on opposite sides thereof.

In assembling the parts, the lower flanges of head F are slid under guides J. The ends of the wire strap L, which is to be protected by the seal, are inserted through opening K and placed in grooves H, and are finally twisted together above head F, as shown in Fig. 10. The head and closure are then inserted in the shell A, and the shackle arms, introduced into the holes B, are pushed down until the latches E meet the top of head F and become separated and spring under the shoulders G, as shown in Fig. 3. The shoulders D of the shackle then bear on the top of the shell. The latches E prevent removal of the closure I and consequent access to the twisted ends of wire strap L.

Instead of making the closure and locking head separate, I may make them integrally of a single piece of porcelain, or other fictile material, as shown in Fig. 12. The grooves H then form continuations of holes M which extend through the closure and receive the wire strap. The strap L may be omitted, and the device used like an ordinary padlock, the shackle C then connecting eyes, staples, rings, or other objects, which it may be desired to fasten together.

I claim:

1. A seal fastening, comprising a shell having openings in one wall, a closure opposite said wall, a shouldered head on the inner side of said closure, having guide channels for the ends of a strap to be secured in said shell, and a shackle having resilient latch arms entering said wall openings and engaging the shoulders on said head.

2. A seal fastening, comprising a shell having openings in one wall, a closure opposite said wall, guides on the inner side of said closure, a shouldered head having side flanges entering said guides, and a shackle having resilient latch arms entering said wall openings and engaging the shoulders on said head.

3. A seal fastening, comprising a shell open at one end, a closure for said opening, a shackle having resilient latch arms entering said shell through openings in a wall thereof, a member within said shell engaging with said shackle arms, and a strap having its ends entering said shell through said closure and united together therein to form a loop extending over said member between said shackle arms.

4. A seal fastening, comprising a shell open at one end, a closure for said opening having a projection on its inner side, a shackle having resilient latch arms entering said shell through openings in a wall thereof and engaging with said projection, and a strap having its ends entering said shell through said closure and united together therein to form a loop extending over said projection between said shackle arms.

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

THOMAS E. MURRAY.

Witnesses:
GERTRUDE T. PORTER,
MAY T. MCGARRY.