

J. E. THOMSON.
Seal-Bolts.

No. 144,370.

Patented Nov. 4, 1873.

Fig. 1.

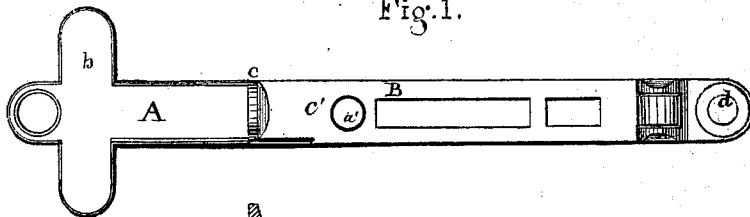


Fig. 2.

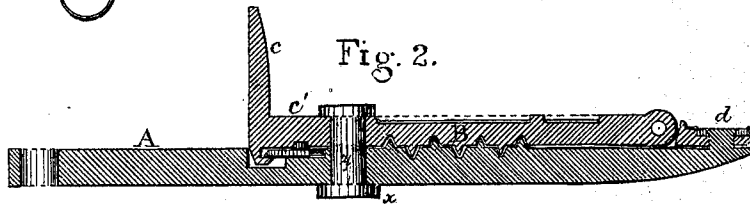


Fig. 3.

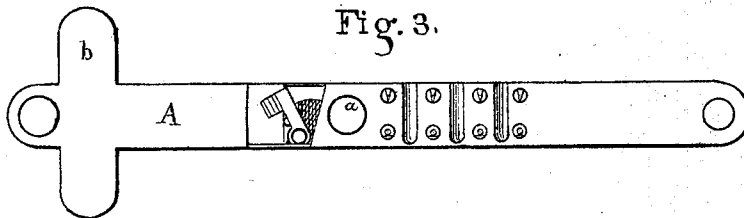


Fig. 4.



Fig. 6.

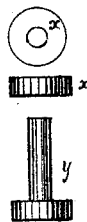
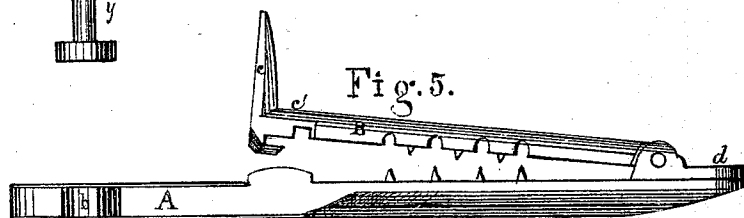


Fig. 5.



Attest
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UNITED STATES PATENT OFFICE.

JAMES E. THOMSON, OF BUFFALO, NEW YORK.

IMPROVEMENT IN SEAL-BOLTS.

Specification forming part of Letters Patent No. **144,370**, dated November 4, 1873; application filed April 22, 1873.

CASE B.

To all whom it may concern:

Be it known that I, JAMES E. THOMSON, of Buffalo, Erie county, New York, have invented a new and Improved Seal-Lock; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 is a plan of the lock. Fig. 2 is a vertical section. Figs. 3 4 5 6 are details to be referred to.

In order that those skilled in the art may make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A is the bolt-piece, made of metal, either stamped or cast in the shape shown, and having in it a hole, *a*, and an enlargement or head, *b*, at its end. If desirable, the head *b* may have a transverse rib (not shown) upon it in order to strengthen it. A piece of metal, B, is bent, with a portion, *c*, at right angles to the portion *c'*. The two pieces A and B are joined together, at *d*, by a rivet, so that the piece B can revolve. A hole, *a'*, corresponding in size to the hole *a*, is made in the piece B, and at the same distance from the pivot *d* as the hole A. The lock being open, as in Fig. 5, the end *c* of the piece B is run through the staple, and the head *b* brought up till it bears against the staple. The piece B is then moved around until it lays on top of the bolt-piece A, when the right-angled portion *c* will bear against, or almost so, the side of the staple. The hole *a'* will then be found to be exactly over the hole *a*. I put a paper seal, *e*, between the two pieces A and B, and then proceed to fasten the lock, as follows:

I have soft-metal rivets or seals *y*, made as shown in Fig. 6, and soft-metal washers *x*, also shown in Fig. 6. I push the rivet through the holes *a a'*, one lying immediately over the other; and in so doing, I pass the rivet through the paper seal between the pieces A and B. A washer, Fig. 6, is then placed over the point of the rivet, and both ends of the rivet are subjected to pressure by a suitable tool bearing any proper design for a stamp. This pressure upsets the small end of the rivet and the edge of the washer; and in a manner merges them and secures the lock, leaving a large head on the rivet on both sides of the lock, to bear the imprint from the upsetting-tool. In this condition the bar cannot be removed from the staple without breaking it or defacing both the soft-metal and paper seals. In detail, for holding and mutilating the paper seal, I use substantially the same devices described and shown in my application for seal-lock filed of even date with this.

I do not claim, broadly, the combination of the bar B as a seal-cover with the piece A, that being covered in Letters Patent issued to me September 23, A. D. 1873; but

What I do claim as new, and desire to secure by Letters Patent, is—

The headed bolt-piece A, having a seal-opening, *a'*, in combination with the bar B, having a portion bent at right angles, and a seal-opening, *a'*, substantially as and for the purpose set forth.

JAS. E. THOMSON.

Witnesses:

R. K. EVANS
C. NASH.