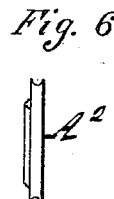
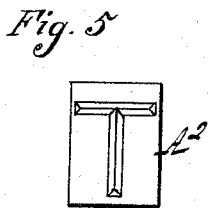
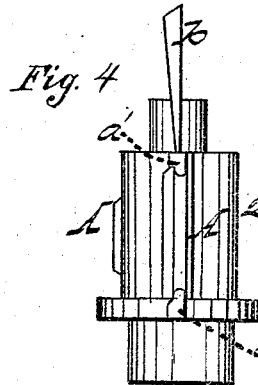
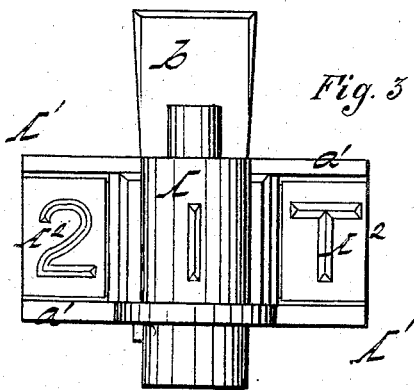
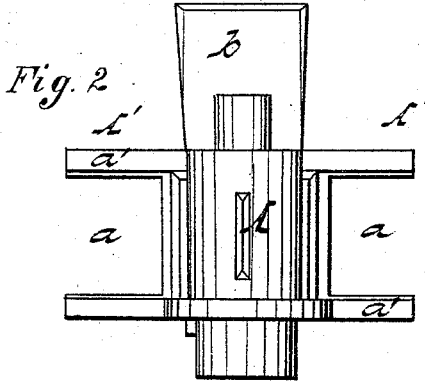
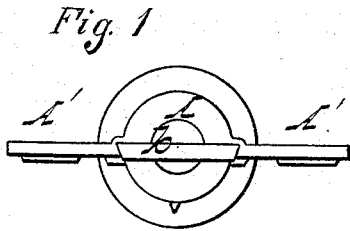


A. F. WHITING.
 PATTERNS FOR CASTING.

No. 184,194.

Patented Nov. 7, 1876.



WITNESSES

Thomas Bernard
 J. M. Hester

Andrew F. Whiting
 INVENTOR

Edson & Co.
 ATTORNEYS.

UNITED STATES PATENT OFFICE.

ANDREW F. WHITING, OF CRESTLINE, OHIO.

IMPROVEMENT IN PATTERNS FOR CASTING.

Specification forming part of Letters Patent No. **184,194**, dated November 7, 1876; application filed March 23, 1876.

To all whom it may concern:

Be it known that I, ANDREW F. WHITING, of Crestline, in the county of Crawford and State of Ohio, have invented certain new and useful Improvements in Patterns; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a plan view of my seal-pattern. Fig. 2 is a side elevation thereof with its removable plates removed. Fig. 3 is a similar view of the same with its removable plates in place. Fig. 4 is a view looking at it edgewise, and Figs. 5 and 6 are detached views of the removable plates.

Corresponding parts in the several figures are designated by like letters.

This invention relates to a certain improvement in patterns for casting seals for bolts; and it consists of a cylinder, from opposite sides of which extend arms or rails, between and upon which slide lettered or numbered plates, substantially as hereinafter more fully set forth.

In the annexed drawing, A refers to the pattern, having its wings A¹ A¹ constructed with the openings *a a* to receive the remova-

ble plates A² A², and by which the wings A¹ A¹ are provided with ways or arms *a' a'*, between and upon which may slide the removable plates A² A², to permit of the substitution, in lieu of the said plates, others by which seals may be cast from the same pattern, each differently numbered or lettered, the said plates having inscribed thereon letters or figures, or both. *b* is the sprue, which forms the gate to the mold of the pattern, through which to pour the liquefied metal.

The object of this construction of seal-pattern is obviously to stamp or mark the seal when cast to indicate the destination of the car to which it may be attached, and to denote, in the event of its surreptitious entrance, the place of the breaking of the seal.

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

The pattern consisting of the cylinder A, from opposite sides of which extend arms or rails *a' a'*, between and upon which slide lettered or numbered plates A² A², substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I hereunto affix my signature in presence of two witnesses.

ANDREW F. WHITING.

Witnesses:

C. W. JENNER,
C. A. SPENCER.