

No. 804,183.

PATENTED NOV. 7, 1905.

R. ANDRIEU.

CLAMP FOR SECURING BLOCKS, TYPE, AND OTHER PRINTING MATTER IN FORMS.

APPLICATION FILED FEB. 13, 1905.

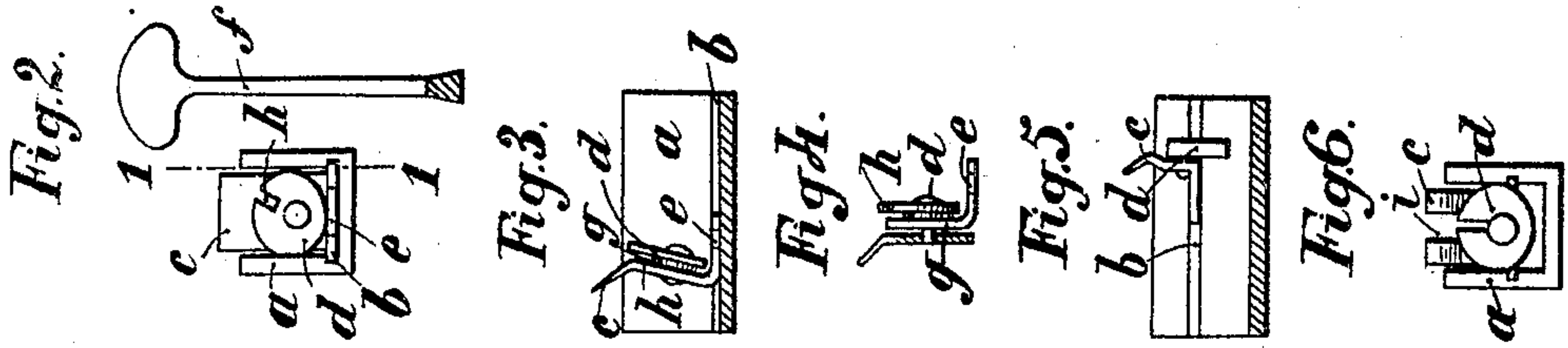
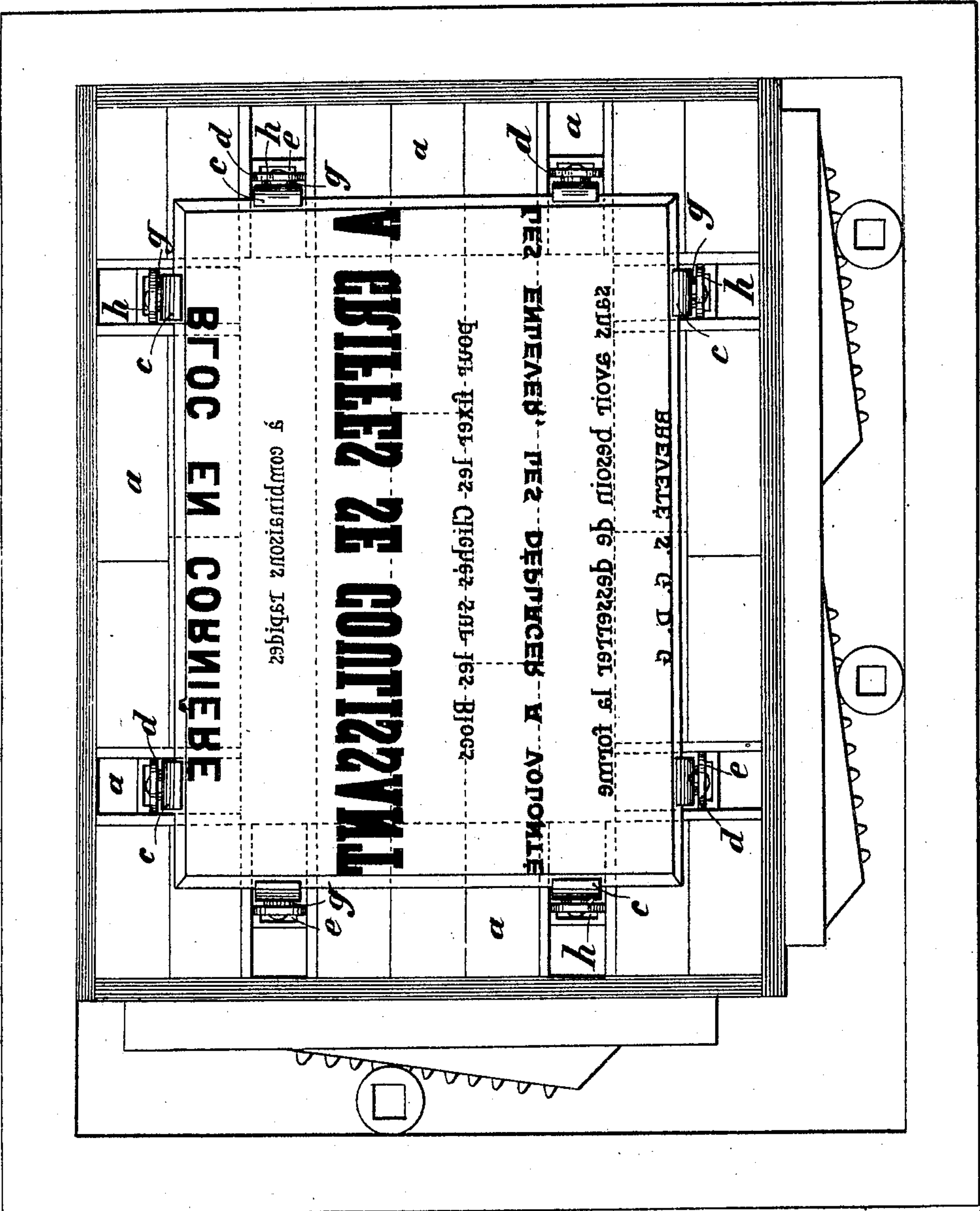


Fig. 1.



Witnesses:

James L. Norris, Jr.
C. D. Kessler

Inventor

René Andrieu

By James L. Norris,
Atty

UNITED STATES PATENT OFFICE.

RENÉ ANDRIEU, OF PARIS, FRANCE.

CLAMP FOR SECURING BLOCKS, TYPE, AND OTHER PRINTING MATTER IN FORMS.

No. 804,183.

Specification of Letters Patent.

Patented Nov. 7, 1905.

Application filed February 13, 1905. Serial No. 245,530.

To all whom it may concern:

Be it known that I, RENÉ ANDRIEU, engineer, a citizen of the French Republic, residing at Paris, Department of Seine, France, whose post-office address is 7 Passage de la Réunion, in the said city, have invented certain new and useful Improvements in Clamps for Securing Blocks, Type, and other Printing Matter in Forms, of which the following is a specification.

This invention has for its object to provide clamps capable of being rapidly arranged in various manners and provided with sliding claws or locks for fixing the blocks, types, or other printing matter in place in forms, the said clamps having the advantage that owing to the simplicity or their construction and the movability of the claws or locks the printing matter can be fixed, shifted, and removed without it being necessary to loosen the printing-forms. By these means putting of the printing matter into the press, "making ready," and proper "registering" can be effected in a perfect and very rapid manner.

In the accompanying drawings, Figure 1 is a plan of a printing-form with clamps holding a block in position. Fig. 2 is an end view of one of the improved clamps. Fig. 3 is a section on the line 1 1 of Fig. 2. Fig. 4 shows a modification of the improved clamps, and Figs. 5 and 6 show a further modification thereof in section and end view.

Each clamp consists of a channel-iron *a*, provided with grooves or slots *b*, in which the base of the claw or lock *c* is capable of sliding so as to permit of fixing, shifting, and releasing the printing matter, as required. The channel-irons *a* are preferably made of gaged lengths, in accordance with the so-called "Didot point system," so as to enable various combinations to be made in setting and fixing the printing matter. The claw or lock *c* is shown as being Z-shaped and provided with two holes, one hole being for receiving the center pin of the eccentric *d* and the other hole *e* being for imparting a to-and-fro motion to the claw or lock by means of a key *f*. Between the claw or lock *c* and eccentric *d* is a washer *g*, having a diameter smaller than that of the eccentric, so that space is left between the claw or lock and the eccentric, and the key *f* can be introduced into the said space for the purpose of imparting a to-and-fro mo-

tion to the claw or lock in cases where the hole *e* cannot be conveniently used for this purpose. The eccentric *d* is provided with a notch *h* for the introduction of the key *f*, so that by turning the eccentric, say a quarter of a turn either to the right or the left, the claw or lock *c* will be pressed against the walls of the channel-iron *a* to hold the printing matter in position or be loosened, as required.

Figs. 5 and 6 show a modification in which the claw or lock *c* is bent back at its upper part somewhat over the eccentric *d*, so as to permit of printing matter which may be outside it being brought nearer to the central block or printing matter, a notch *i* being provided in the head of the claw or lock *c* for the purpose of enabling the key *f* to be passed into the notch in the eccentric.

The improved clamps may be of any required height, size, width, and thickness, and of any suitable metal or material. The modified arrangement shown in Fig. 4 may be used instead of that hereinbefore described, the claw or lock proper in this case being made separately from and secured to the part which slides in the channels in the part *a*.

Having now particularly described and ascertained the nature of this invention, I declare that what I claim is—

1. A clamp of the character described, comprising a channel-iron provided with grooves, a locking member slidably mounted in said grooves, an eccentric rotatably mounted on said locking member and adapted to be turned into engagement with the walls of said channel-iron for securing the locking member in adjusted positions.

2. A clamp of the character described, comprising a channel-iron having parallel side walls, a locking member slidably mounted in said channel-iron, and an eccentric rotatably mounted on said locking member and adapted to be turned into engagement with the walls of said channel-iron to secure the locking member in adjusted positions.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

RENÉ ANDRIEU.

Witnesses:

PIERRE LEISSE,
MAX DE RIVAUD.