

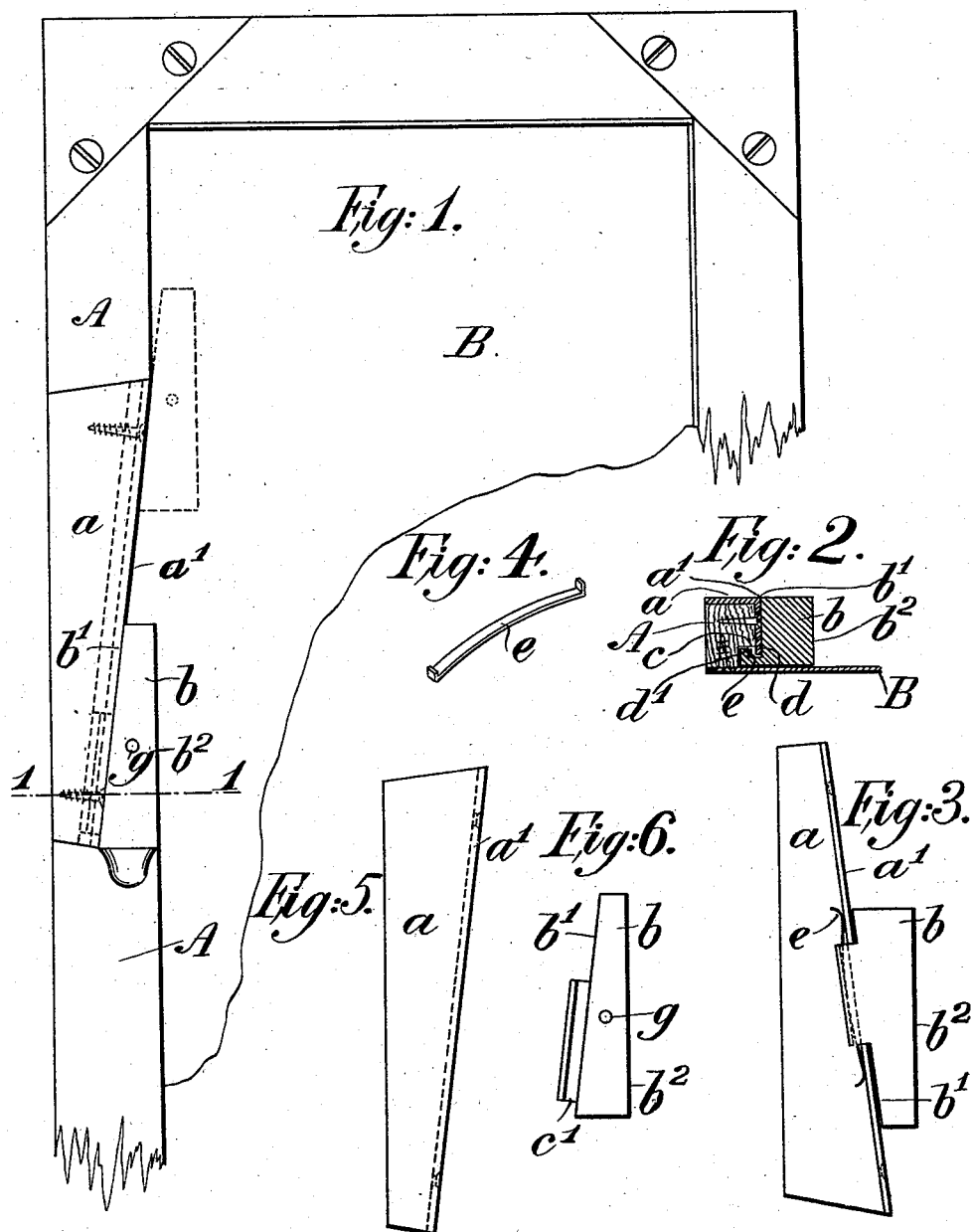
(No Model.)

F. ROSS.

APPARATUS FOR SECURING TYPE OR MATTER IN PRINTERS' GALLEYS.

No. 531,568.

Patented Dec. 25, 1894.



Witnesses.
Thos. A. Green
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UNITED STATES PATENT OFFICE.

FRANK ROSS, OF LONDON, ENGLAND, ASSIGNOR TO THOMAS WHITE SMITH,
OF SAME PLACE.

APPARATUS FOR SECURING TYPE OR MATTER IN PRINTERS' GALLEYS.

SPECIFICATION forming part of Letters Patent No. 531,568, dated December 25, 1894.

Application filed July 16, 1894. Serial No. 517,709. (No model.) Patented in England October 13, 1893, No. 19,265.

To all whom it may concern:

Be it known that I, FRANK ROSS, a subject of the Queen of Great Britain, residing at 63 Ballance Road, Homerton, in the city of London, England, have invented new and useful Improvements in Apparatus for Securing Type or Matter in Printers' Gallies, (for which I have obtained Letters Patent in Great Britain, No. 19,265, dated October 13, 1893,) of which the following is a specification.

The invention is designed to facilitate the operation of securing temporarily the type, or assembled printing surfaces, in printers' galleys and to avoid the necessity for the use of quoins and side sticks for the purpose.

The invention consists, in a printer's galley of the construction and combination of normally inseparable interlocking sliding parts having inclined shaped meeting edges, with intervening spring between the meeting faces, as will be described; also in the construction and combination of normally inseparable interlocking sliding parts having inclined shaped meeting edges, as will be described; also, in a printer's galley for securing type therein, the combination of a series of locking devices each consisting of an inclined faced plate, normally affixed to the galley, and interlocked by grooves and projections to and capable of co-operation with a sliding reversely inclined faced plate, with interposed spring as will be described.

In the drawings Figure 1 shows a plan view of a portion of a printer's galley with my invention applied. Fig. 2 is a sectional view taken on the line 1—1 Fig. 1. Fig. 3 shows an under side view of the invention, and Fig. 4 shows in detail a spring to be described. Figs. 5 and 6 show plan views of the plates *a* and *b* respectively.

In carrying out my invention the type set up into form are placed in the galley and any space that may be left between the form and the side of the galley is filled up with furniture in the usual manner and upon the wall *A*, of the galley *B*, at suitable distances, I have affixed devices each consisting of two

pieces *a—b*; but the number of parts may be varied—one (*a*) fixed, and the other (*b*) movable, connected together either as here shown by interlocking grooves *c, c'* and projections *d, d'*, or it may be by slots and flanges or equivalent connections. (Preferably I make the connection with a certain amount of play between the two parts and interpose a spring *e*, or springs, which also serve to compensate for wear.) The meeting faces *a', b'* of these two pieces *a, b*, are inclined to the face *b²* of the part *b* next the types and the interposed furniture, while to prevent any interference with the printer's composing operations, these parts are made flush with the wall of the galley, as shown in Fig. 1.

As soon as the parts to be secured are in position and only a limited space is left, the sliding pieces *b* are moved along the faces *a'* of the fixed plates *a*, and the effect is that the inclined planes *a', b'* cause the slides *b* to protrude (see dotted position Fig. 1) and they become wedged in between the printers' type and the parts *a* attached to the galley wall *A*, and all is quickly and securely locked together sufficiently for transport.

A small hole *g*, or it may be holes, may be made in the slide *b* to facilitate introduction of any tool to enable the slide to be more readily forced along.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. In a printer's galley, the combination of two blocks having their adjacent faces reversely inclined and provided with interlocking L shaped projections, and an expansion spring interposed between said projections and exerting a constant pressure to force said blocks together, substantially as described.

2. In a printer's galley, the combination of the block *a* inserted in one of the side walls of the galley and grooved upon its under side as at *c*, the plate *a'* secured to the inner side of said block and projecting down in front of said grooved portion, the block *b* provided at its lower edge with an inwardly and up-

wardly projecting lip *d'* interlocking with the
groove and plate on the block *a*, the adjacent
faces of said blocks being reversely inclined,
and an expansion spring *e* interposed between
5 the plate *a'* and lip *d'*, substantially as shown
and described.

In testimony whereof I, the said FRANK

ROSS, have hereunto set my hand this 2d day
of July, 1894.

FRANK ROSS.

Witnesses:

FREDERICK CHIPP,
GERALD F. BIRD.