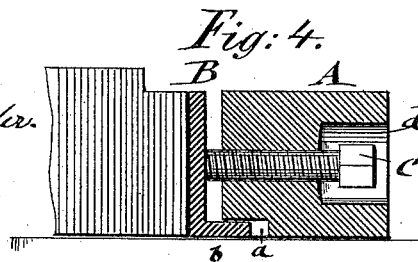
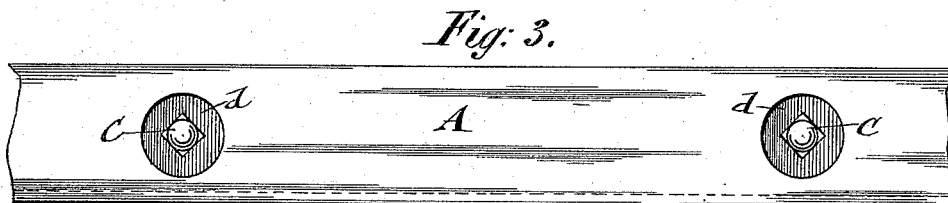
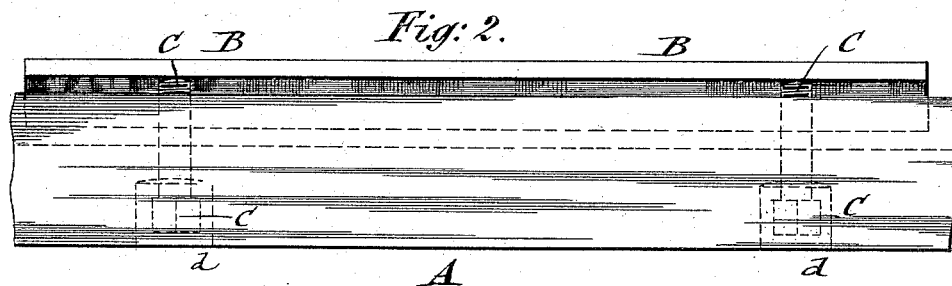
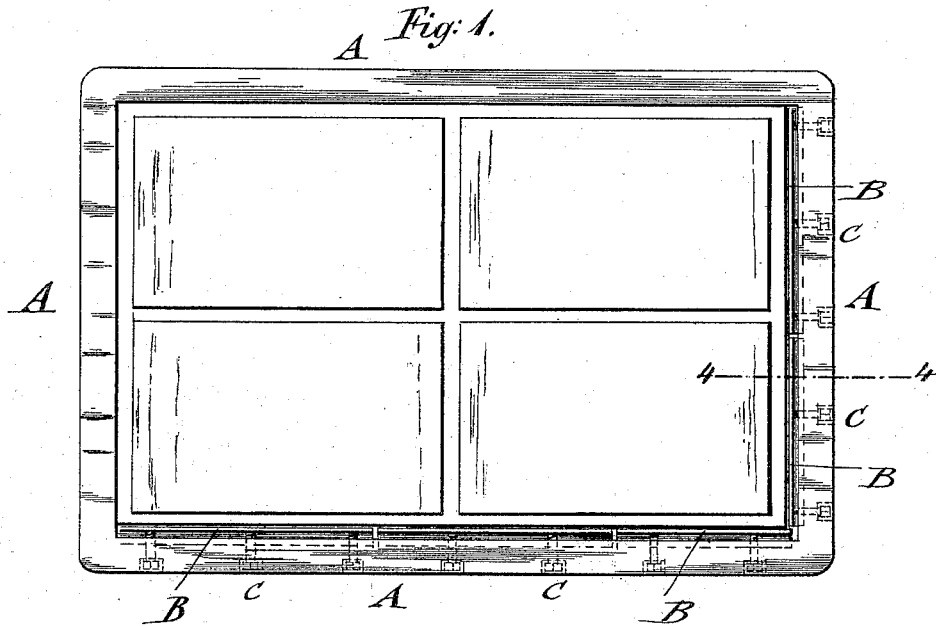


(No Model.)

F. WESEL.
LOCK-UP FOR PRINTERS' CHASES.

No. 493,848.

Patented Mar. 21, 1893.



WITNESSES:

Charles Schroeder

William Dühm

INVENTOR

Friedrich Wesel

BY *Lopez & Raegen*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

FERDINAND WESEL, OF NEW YORK, N. Y.

LOCK-UP FOR PRINTERS' CHASES.

SPECIFICATION forming part of Letters Patent No. 493,848, dated March 21, 1893.

Application filed June 11, 1892. Serial No. 436,330. (No model.)

To all whom it may concern.

Be it known that I, FERDINAND WESEL, a citizen of the United States, and a resident of the city, county, and State of New York, have
5 invented certain new and useful Improvements in Lock-Ups for Printers' Chases, of which the following is a specification.

This invention relates to an improved lock-up for printers' chases which are adapted for
10 locking up larger forms for which the ordinary quoins cannot be used, and by which still a very strong and reliable locking of the forms can be obtained: and the invention consists of a printer's chase provided with a recess
15 at its inner bottom-edge and with an L-shaped adjustable locking-bar that is applied to the form by means of set-screws, the heads of which are located in recesses in the exterior wall of the chase, said locking-bar being
20 guided in the recess of the chase and used without coins for locking up forms of larger size.

In the accompanying drawings, Figure 1 is a plan view of a printer's chase with my improved lock-up. Fig. 2 is a top-view of a portion
25 of the same, drawn on a larger scale. Fig. 3 is a side-view of Fig. 2, and Fig. 4 is a vertical transverse-section on line 4 4, Fig. 1 also on a larger scale.

30 Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a printer's chase which is provided at two adjacent sides with a locking-bar B of L-shaped
35 cross-section, the lower flange *b* of which is guided in a recess *a* at the inner corner of the wall of the chase, as shown clearly in Fig. 4. The L-shaped locking-bar B is adjusted to the required distance from the chase by means
40 of set-screws C that pass through the wall of the chase and the heads of which are located

in recesses *d* in the outside of the chase, so that the heads of the screws do not project beyond the exterior face of the chase and cannot interfere with the use of the same. 45 Whenever a form of larger size is to be locked into the chase, so that the use of the quoins is not possible, it is locked up by means of the locking-bars B which are adjusted to the form by means of set-screws C. Owing to the
50 L-shaped cross-section of the locking-bar B, the strength of the same is considerably increased and the bending of the same and consequently the inaccurate or unreliable locking of the form prevented. 55

A chase can be used with the auxiliary lock-up without quoins and will prevent the lifting up of the type, as the bottom flange abuts against the recessed corner of the chase.

The locking-bar forms a very useful and
60 convenient attachment to printers' chases, so that they are adapted to a greater extent for the different uses to which they are applied in printing offices.

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

The combination, with a printer's chase having a recess at its inner lower edge, of an L-shaped locking-bar extending along the inner
70 wall of the chase, and set-screws passing through the wall of the chase for the purpose of adjusting the locking-bar, substantially as set forth.

In testimony that I claim the foregoing as
75 my invention I have signed my name in presence of two subscribing witnesses.

FERDINAND WESEL.

Witnesses:

PAUL GOEPEL,
CHARLES SCHROEDER.