

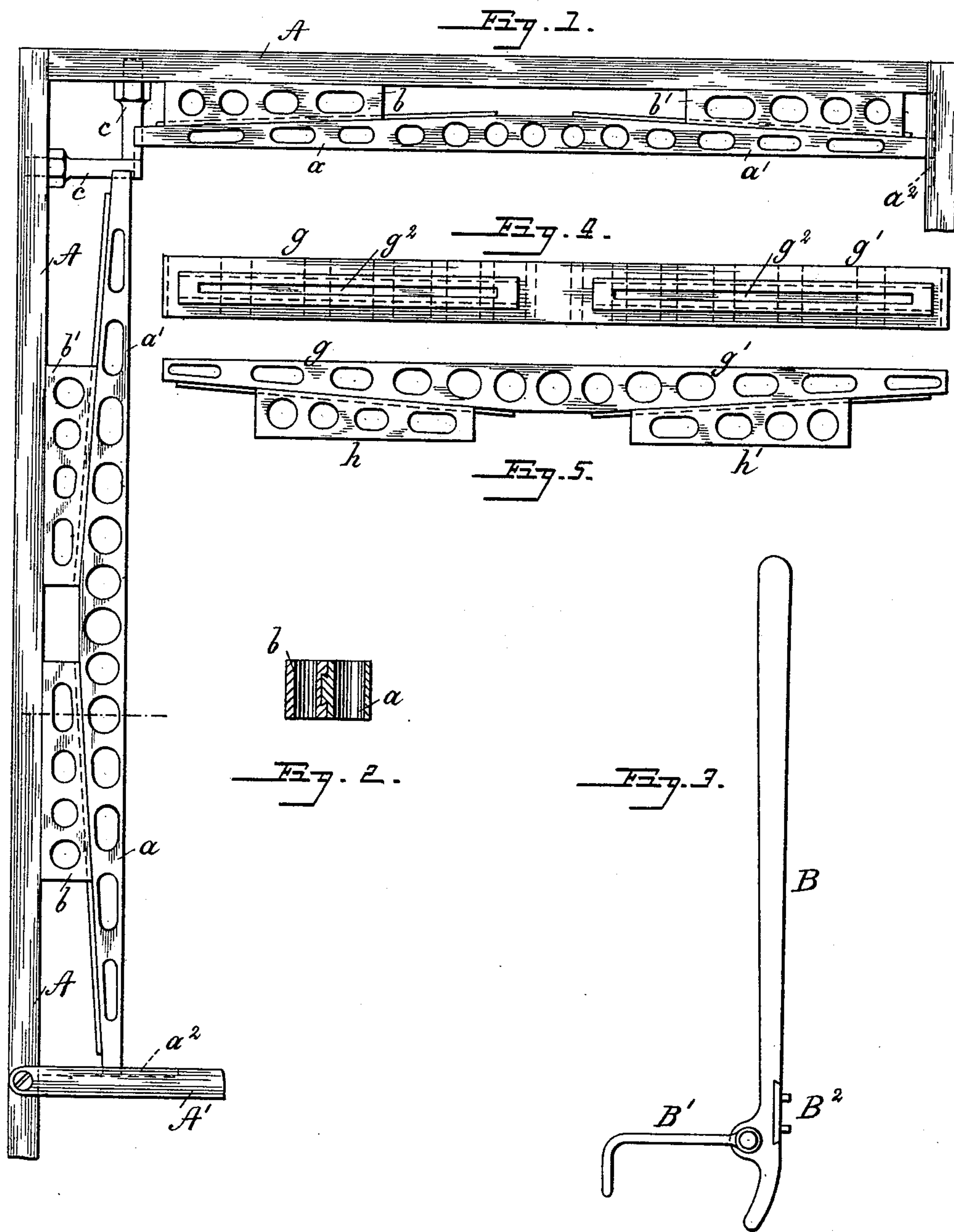
(No Model.)

M. PROTSCHKO.

PRINTER'S CHASE.

No. 368,234.

Patented Aug. 16, 1887.



Witnesses:
Anthony Steffen
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Inventor:
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UNITED STATES PATENT OFFICE.

MICHAEL PROTSCHKO, OF BUDA-PESTH, AUSTRIA-HUNGARY.

PRINTER'S CHASE.

SPECIFICATION forming part of Letters Patent No. 368,234, dated August 16, 1887.

Application filed June 21, 1886. Serial No. 205,837. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL PROTSCHKO, of the city of Buda-Pesth, in the Kingdom of Austria-Hungary, have invented certain new and useful Improvements in Printers' Chases, and of which I declare the following to be a specification.

My invention relates to improvements in printers' chases for securely locking the form in an easy, rapid manner; and it consists in the application of several combined and single wedges, which, when drawn tight, will produce a firm locking of the form. These wedges are either connected to the chase and guided in the same or can be applied to the ordinary chases now in use without being fixed to the same.

In order to drive the wedges home I employ a special key, which is so applied to the perforations of the wedges that the same can be driven tight. Each two wedges are connected to each other by a dovetail tongue and groove, and the loose pairs of wedges are further connected to each other by means of a suitable screw in such manner that they are continuously held together without diminishing their movement.

Figure 1 is a top view of a chase with my improved locking device applied to the same. Fig. 2 is a section of Fig. 1. Fig. 3 is an elevation of the wedge, key, or driver. Fig. 4 is an elevation, and Fig. 5 a top view, of a double wedge.

In the chase A, the one side, A', of which can be opened, I arrange on each side of the same two wedges, *b b'*, provided with dovetailed grooves, in which a corresponding tongue of a double wedge, *a a'*, gears, which is composed of one piece, and is guided at the one end in a groove, *a²*, in the chase, and at the other in a groove in a bolt or bearing, *c*, two of which latter are arranged at a right angle to each other in the corner of the chase. It will be evident that when the wedges *b b'* are driven toward each other the double wedges will be

pressed inward of the chase and the form securely locked.

The wedges are driven tight by means of the key or driver, Fig. 3, consisting of a lever, B, to which a movable hook, B', is bolted, and which is at its rear side provided with two projecting pins or pegs, B². In order to operate on the wedges the foot of the lever B can be placed in one of the openings in the wedge *a a'* and the hook B' in one of the openings or borings in one of the wedges *b b'* and the lever depressed, whereby the wedge *b* or *b'* is forced inward when locking and outward when unlocking the form, or one of the pins or pegs B² can be inserted in the opening of the one wedge and the other in the opening of the other wedge and the key given a turn on the horizontal plane.

The like constructions shown in Figs. 4 and 5 represent a double wedge, *g g'*, on which two wedges, *h h'*, glide by means of the dovetailed tongue and groove, and which are retained on the same by stops in the groove *g²*. These constructions can, as aforesaid, be applied to all kinds of chases, from which they can be removed after use.

It is evident that instead of employing the two grooved bolts *c c* a piece of metal can be inserted in the corner of the chase for a like purpose, and can be, if desired, of two thicknesses screwed together, so as to facilitate the removal of the wedges should this prove requisite.

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

The combination, in a printer's chase, of the double wedge *a a'* and *b b'* with the bolts *c c*, substantially as described and shown.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

MICHAEL PROTSCHKO.

Witnesses:

JULIUS SWINBOE,
LUDVIG WANDRE.