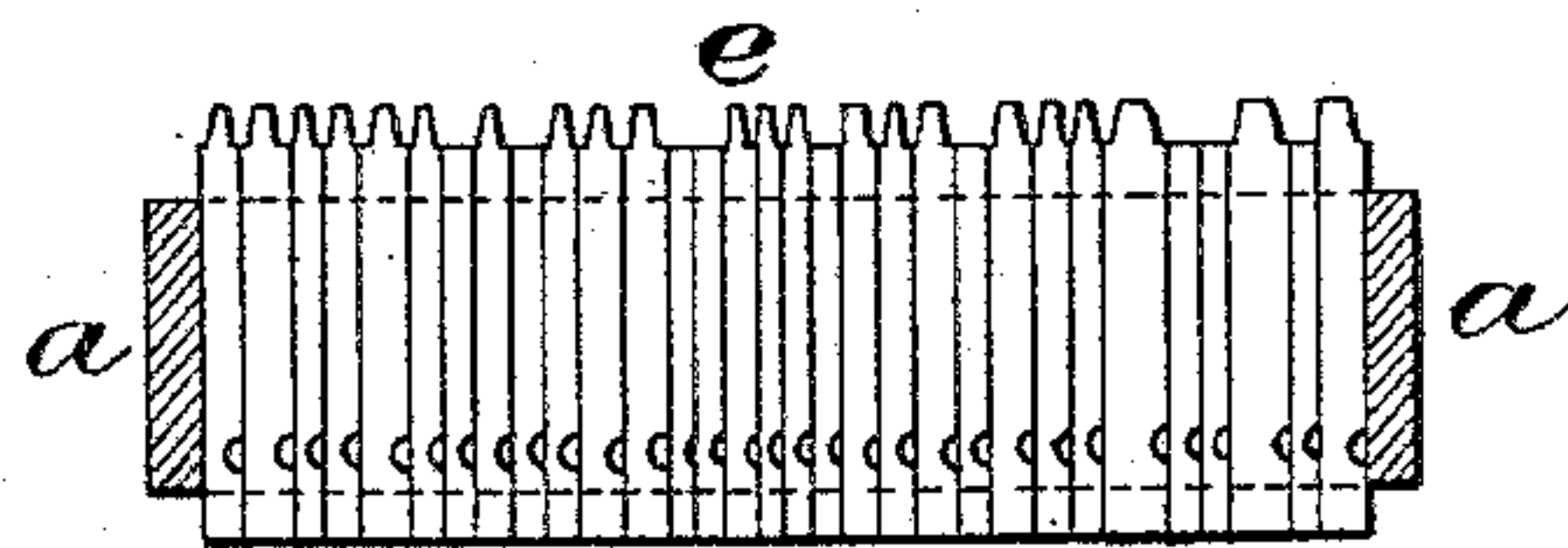
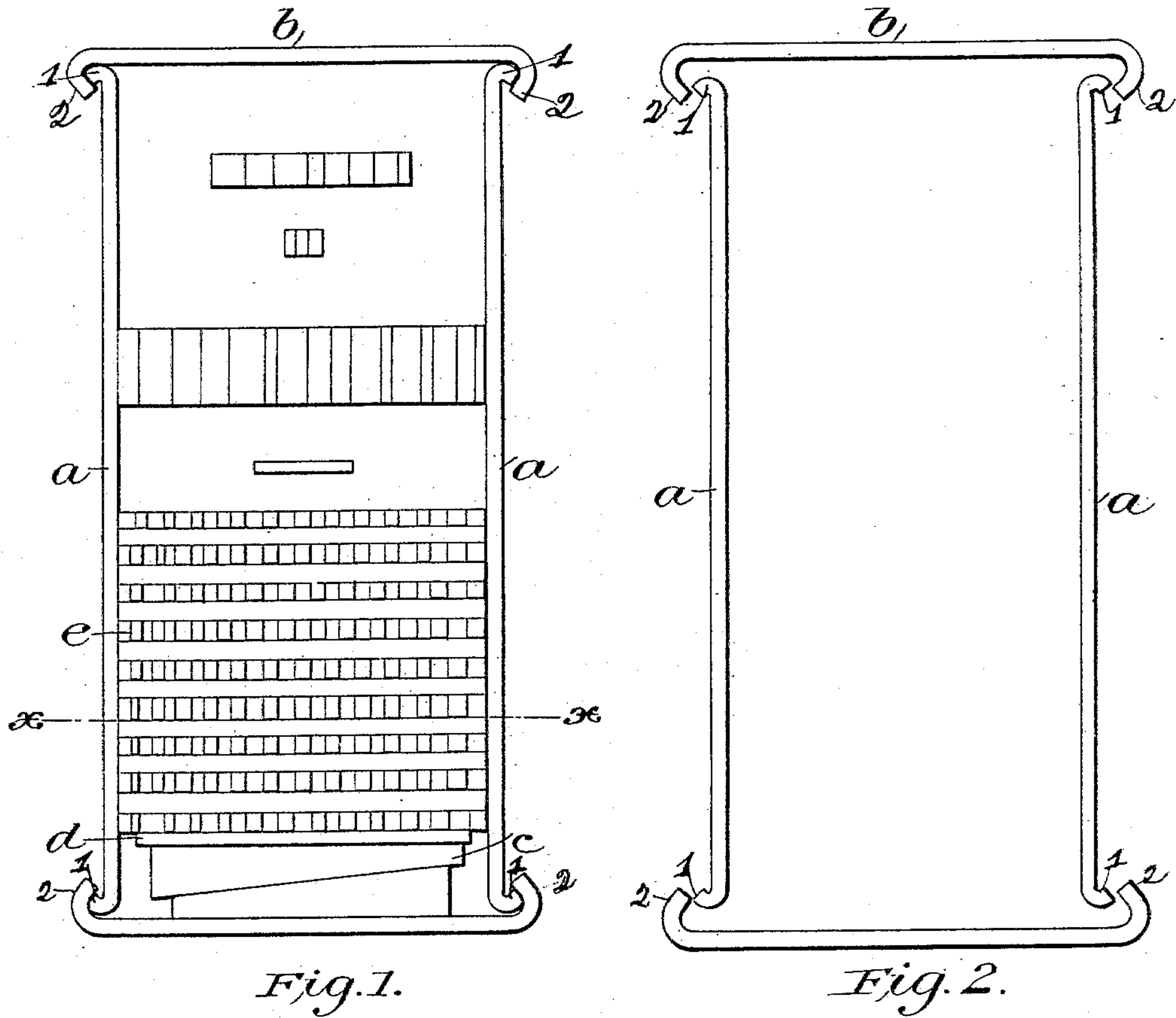


(No Model.)

B. B. BLACKWELL.  
PRINTER'S CHASE.

No. 596,954.

Patented Jan. 4, 1898.



Fredk. B. Murrell.

G. A. Vache

Witnesses.

Benj. B. Blackwell

Inventor.



# UNITED STATES PATENT OFFICE.

BENJAMIN B. BLACKWELL, OF JAMAICA, NEW YORK.

## PRINTER'S CHASE.

SPECIFICATION forming part of Letters Patent No. 596,954, dated January 4, 1898.

Application filed March 1, 1897. Serial No. 625,686. (No model.)

*To all whom it may concern:*

Be it known that I, BENJAMIN B. BLACKWELL, a citizen of the United States, residing at Jamaica, county of Queens, State of New York, have invented certain new and useful Improvements in Printers' Chases, of which the following is a specification.

My invention relates to an improved chase for printers' use; and it has for its object the production of a sectional chase wherein a type-form may be securely locked both longitudinally and laterally, by means of a single quoin.

The invention will first be described in connection with the accompanying drawings, and then pointed out in the claims.

Figure 1 of the drawings is a plan view of my sectional chase, showing a type-form locked therein ready for the press. Fig. 2 is a plan view of the sections composing the chase. Fig. 3 is a transverse sectional view taken on the line *x x*, Fig. 1.

Referring to the drawings, *a a* represent the side bars of the chase, which are preferably made of steel and rectangular in cross-section. The ends of these respective bars are inclined outward at an obtuse angle, as at 1, for a purpose hereinafter mentioned.

*b b* represent the end bars, which are likewise preferably made of steel and rectangular in cross-section, the ends of these bars being inclined inward at an oblique angle, as at 2.

A preferable method of inclining the ends of the several bars of the chase is by bending them into proper shape, as shown; but the accomplishment of this end by other means would be within the scope of my invention.

In assembling the sections of the chase for use, the type-form *e* being placed upon a stone, table, or the bed of the press, the side bars are first placed against the sides of the form, after which the end bars are placed in position so that their inwardly-turned ends will overlap the outwardly-inclined ends of the side bars, it being understood that the side bars are somewhat longer than the form. A quoin *c* is next placed against the inner surface of the end bar, preferably at the foot of the form, when the space between the quoin and the form is filled by a metal follower *d*. The quoin, which may be of any suitable construction, is then gradually tight-

ened, which act naturally forces the end bars slightly backward, and in this movement their inwardly-turned ends 2 bear with a wedging action on the outwardly-inclined ends 1 of the side bars, pressing these bars inward against the form, which inward pressure of the side bars gradually increases until the quoin has been fully tightened. It will be seen that the form thus becomes locked on all sides simultaneously by means of a single quoin. However, it will be evident that in case of large forms a plurality of quoins bearing on the follower would be advisable.

The chase-sections may be made in standard lengths suitable for forms of various sizes.

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

1. A chase comprising independent side and end sections, each side section being formed on its outer side with inclines projecting at an obtuse angle from the plane of the section, the end sections being so shaped as to overlap the ends of the side sections and engage with the faces of said inclines, whereby pressure exerted against the end sections from within the chase will force the side sections inward with a wedging action.

2. A chase comprising independent side and end sections, the ends of the side sections being inclined outward at an obtuse angle, and the end sections having their ends inclined inward at an oblique angle, and adapted to overlap the ends of the side sections, whereby pressure exerted against the end sections from within the chase will force the side sections inward with a wedging action.

3. As an article of manufacture, a printer's sectional chase comprising side sections having their ends bent outward so that they lie in a plane which cuts the sections at an obtuse angle, and end sections having their ends bent inward at an oblique angle and adapted to overlap the ends of the side sections, substantially as described and for the purpose stated.

BENJAMIN B. BLACKWELL.

Witnesses:

CHAS. B. BARTRAM.

FRED. E. MURRELL.