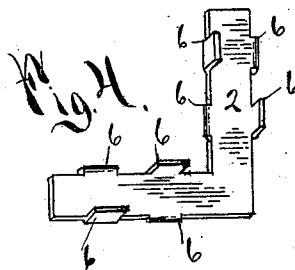
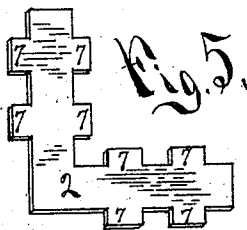
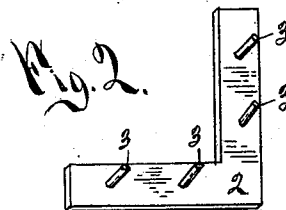
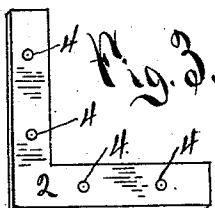
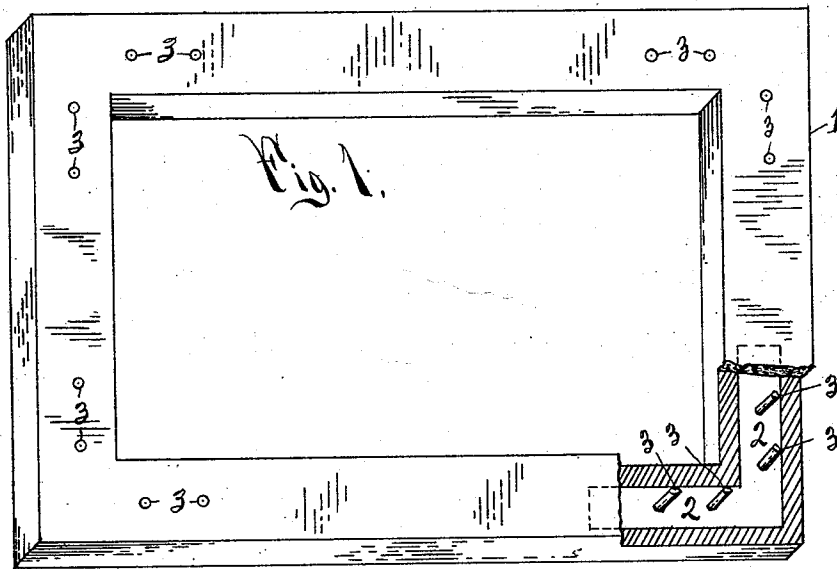


(No Model.)

E. B. DEWEY.
PRINTER'S CHASE.

No. 572,413.

Patented Dec. 1, 1896.



WITNESSES:

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PRINTER'S CHASE.

SPECIFICATION forming part of Letters Patent No. 572,413, dated December 1, 1896.

Application filed June 2, 1896. Serial No. 594,002. (No model.)

To all whom it may concern:

Be it known that I, EDWIN B. DEWEY, a citizen of the United States, residing in the city of Jamestown, county of Chautauqua, and State of New York, have invented certain new and useful Improvements in Printers' Chases; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

The common cast-iron printer's chase is found very unsatisfactory and objectionable for the reason that it is often broken by the great strain that is necessary to lock the form securely, and experience shows that the break nearly always occurs at the corner of the chase, as the strain there is from two ways. To overcome this difficulty is the object of my invention.

The improvement consists in strengthening the corners of the cast-iron chase by putting in a malleable, wrought, or steel core and running the cast metal around it, as will be fully understood by this specification and the accompanying drawings, in which—

Figure 1 is a plan view of a printer's chase containing my invention, having one corner broken away to show the corner-piece. Fig. 2 shows corner-piece ready for insertion. Fig. 3 shows metal corner before pins 3 3 are inserted. Fig. 4 shows a modification of corner-piece as stamped from the sheet-steel, the bosses 6 6 being the equivalents of pins 3 3. Fig. 5 shows a blank as first stamped out before the bosses are turned.

In manufacturing my chase I have a regular pattern of the size and outside form desired, with suitable openings in the flask to easily insert corner-pieces after the pattern is removed.

Fig. 2 represents a light malleable, wrought,

or steel corner-bracket having pins or bosses 3 3, that I set in each corner, the pins serving the purpose of holding the flat corner-piece at just the right position in the mold so that the metal will flow all around it, and also strengthening the corner in all directions, as will be readily understood. Instead of the corner-piece shown in Fig. 2 being malleable it may be of wrought steel or other metal, having pins or other suitable bosses, as shown in Fig. 4, but I prefer it malleable or wrought, as it is strong and tough and less liable to break by any sudden blow or extra strain and is easily manufactured.

Fig. 3 shows flat corner-piece with pins left out, leaving openings 4 4.

Fig. 4 shows a modification of corner-piece 2 and pins 3 3, it being shown as stamped from the sheet-steel with the bosses or lugs turned to serve the purpose of pins 3 3, Fig. 5 showing the blank as first stamped before the bosses or lugs are turned. This modification is better only because it can be made quicker and cheaper.

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

In a cast printer's chase, the combination made by placing in the molds a right-angle piece of malleable or wrought steel or iron at each corner, said corner-piece having pins or their equivalent to hold the piece in position in the mold for the molten metal to flow around the same, substantially as shown and for the purpose set forth.

In testimony that I claim the foregoing I hereby sign my name in the presence of two witnesses.

EDWIN B. DEWEY.

In presence of—

CHAS. W. DAVIS,
GEORGE WEISS.