

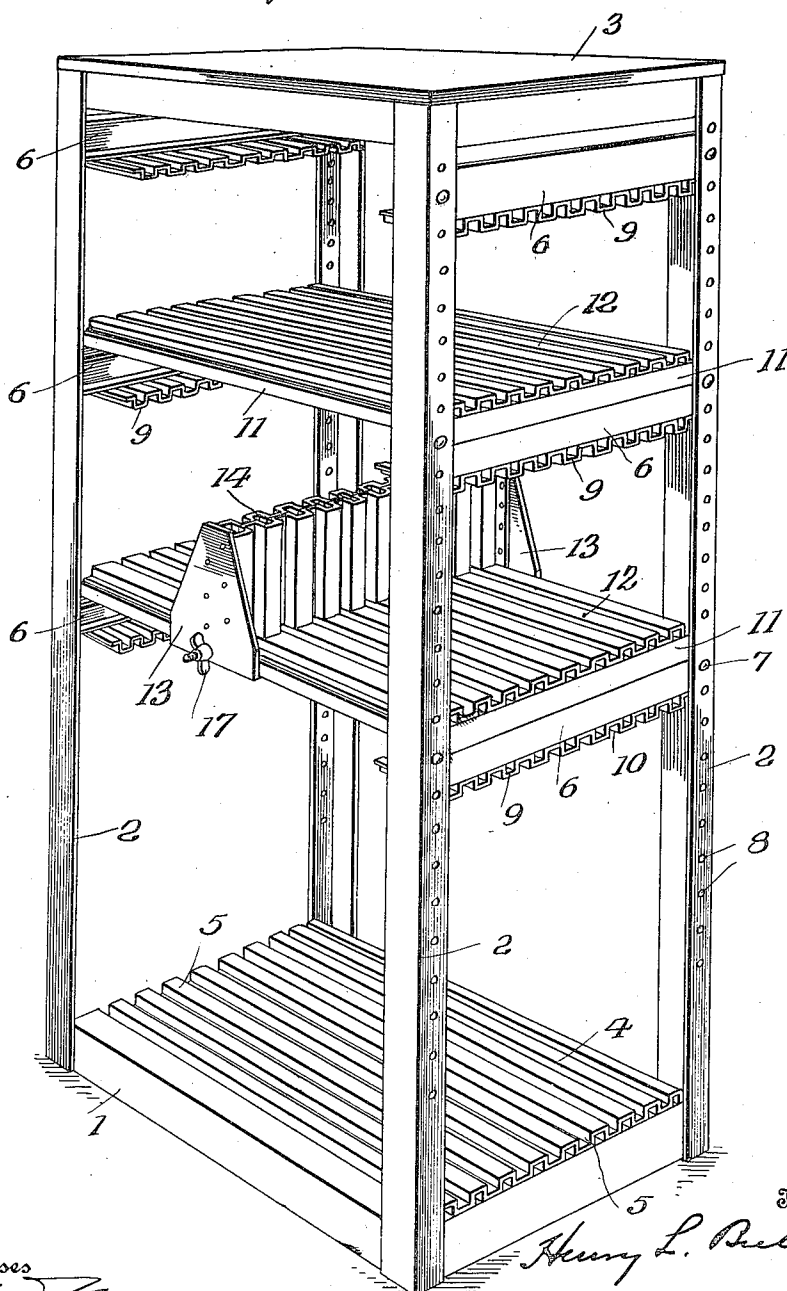
H. L. BULLEN.
CHASE RACK FOR PRINTERS' USE.
APPLICATION FILED AUG. 5, 1915.

1,272,207.

Patented July 9, 1918.

3 SHEETS—SHEET 1.

Fig. 1.



Witnesses
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3 SHEETS—SHEET 2.

Fig. 2.

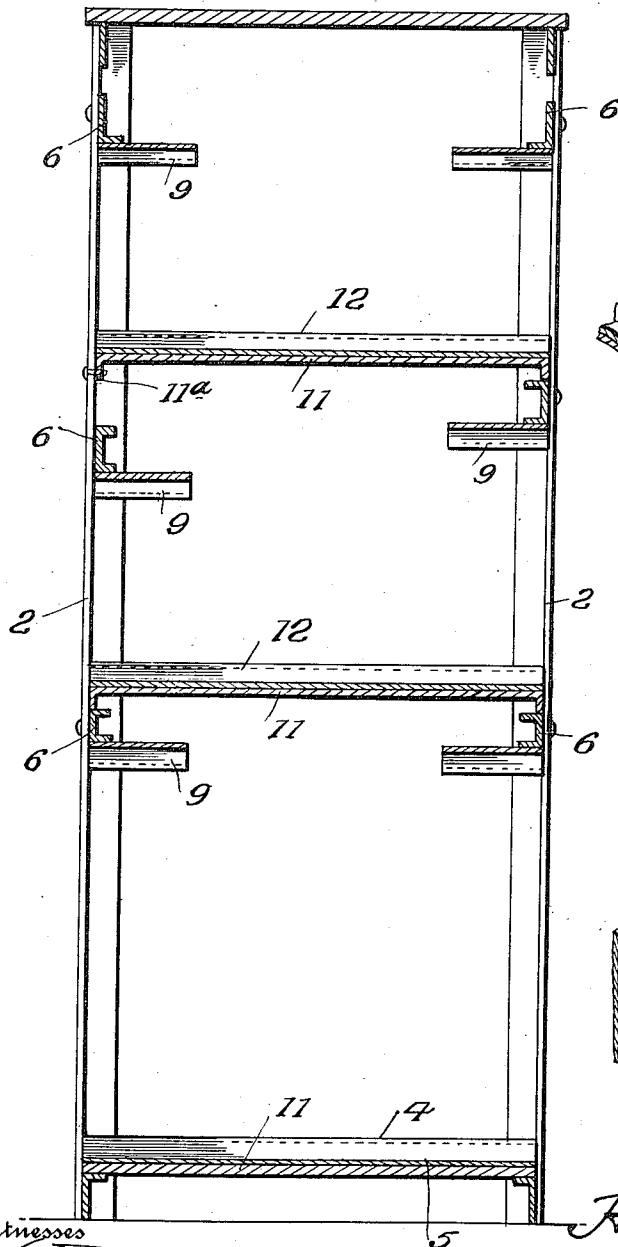


Fig. 3.

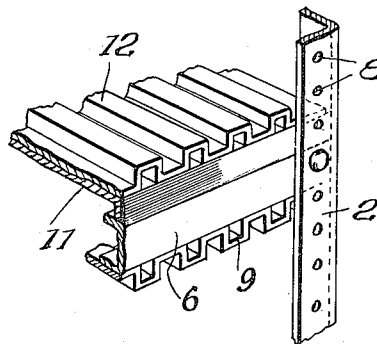
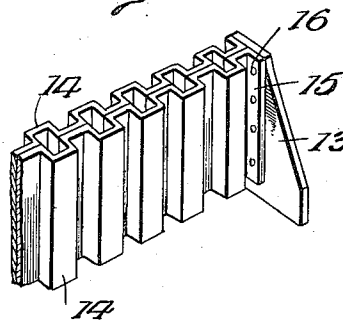


Fig. 4.



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3 SHEETS—SHEET 3.

Fig. 5.

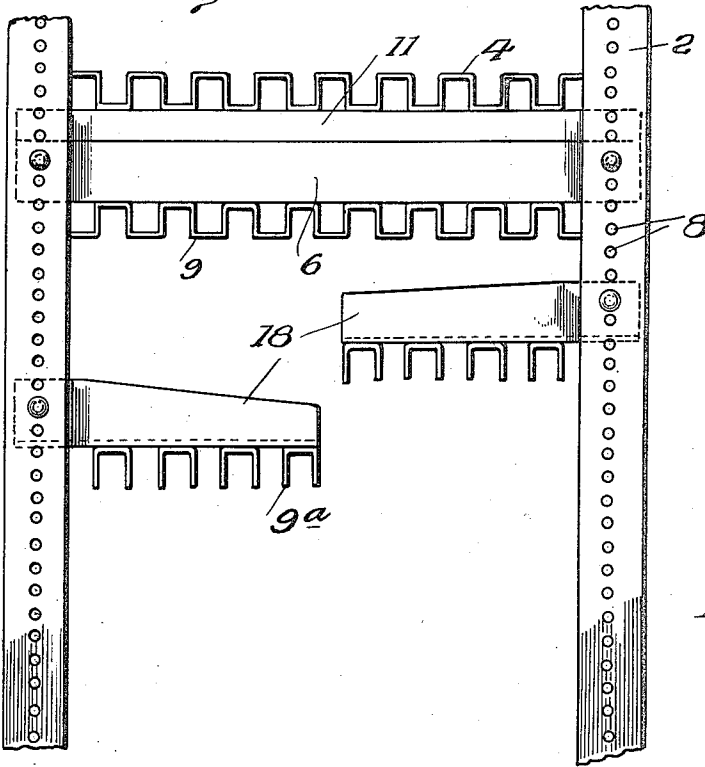


Fig. 6.

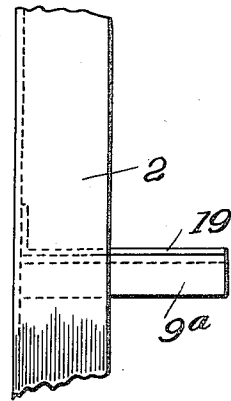


Fig. 7.

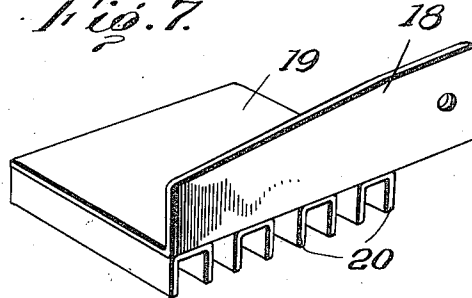
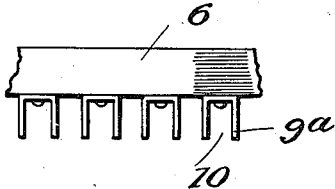


Fig. 8.



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UNITED STATES PATENT OFFICE.

HENRY L. BULLEN, OF NEWARK, NEW JERSEY, ASSIGNOR TO AMERICAN TYPE
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CHASE-RACK FOR PRINTERS' USE.

1,272,207.

Specification of Letters Patent.

Patented July 9, 1918.

Application filed August 5, 1915. Serial No. 43,840.

To all whom it may concern:

Be it known that I, HENRY L. BULLEN, a citizen of the United States, residing at Newark, Essex county, and State of New Jersey, have invented and discovered certain new and useful Improvements in Chase-Racks for Printers' Use, of which the following is a specification.

The present invention relates to furniture for printing office use and consists in the combinations and arrangements of parts hereinafter described and particularly set forth in the appended claims.

The invention has for its purpose to provide an adjustable chase rack adapted for holding chases of different sizes and in such relation that the forms held therein are prevented from rubbing against each other; and wherein all the chases of uniform size are assembled together for convenience of the stoneman in ascertaining at a glance what chases or dead forms in chases of any size are available.

The invention is shown by way of illustration in the accompanying drawings, wherein—

Figure 1 is a perspective view thereof,

Fig. 2 a longitudinal sectional view of the same,

Fig. 3 a fragmentary perspective view showing the support and adjustment feature for the platform,

Fig. 4 a fragmentary perspective view of the back guide,

Fig. 5 a front elevational view of the rack showing a modified form of top guide,

Fig. 6 a side elevation of the top guide,

Fig. 7 a detailed perspective view thereof, and

Fig. 8 a modified form of channel pieces for the continuous top guide illustrated in Fig. 1.

Referring to the construction in further detail and wherein like reference characters indicate corresponding parts, the structure consists of a frame having a base 1 and four corner posts 2 supporting the top 3, said posts and the base being of angle iron and sheet metal construction, and the frame is of that height convenient for placing and removing the chase racks by the average height man.

A support, such as a series of appropriate channel irons, or a corrugated metal sheet, 4 is mounted on the base 1, and the channels

5 thereof form the slide-ways to receive the chase racks and hold the contained forms therein in their proper spaced relation. A pair of cross-bars or top guides 6 is adjustably mounted the desired distance above base 1 on the corner post 2 by means of bolts or pins 7 passing through apertures 8 in said corner posts and registering apertures formed in the cross-members. Each cross-bar 6 is of iron of appropriate form and has secured to its underside a corrugated strip 9 or a series of channel irons 9^a (see Fig. 8) disposed with their channels 10 to correspond with the channels 5 of the support 4 to receive the chase racks and hold the same in erect position.

A platform 11 is supported by the pair of top guides 6 and itself carries another series of channel irons, or a corrugated sheet, 12 forming a support for an upper tier of chase racks, and for said platform there is a second pair of top guides 6 carrying corrugated strips 9, or channel pieces 9^a, and said top guides and strips are constructed and adjustably mounted on the corner posts of the frame in the manner described of the first pair of top guides.

A platform 11 is also mounted on the upper pair of cross-members 6 and supports the corrugated sheet, or channel irons, 12 forming a third support for another tier or set of chase racks, and in like manner said third support is provided with a pair of top guides 6^a carrying corrugated strips, or channel pieces, providing guides to receive the upper ends of the chase racks supported by their respective platforms.

The platforms 11 are adapted to be independently mounted on the frame to the end that the upper, or top, guides may be adjusted according to the dimensions of the chases, and for adapting the rack to hold chases of two different sizes on the same platform. In this instance, the chases of one size would be placed in and removed from the rack on one side, and all the chases of the other size would be assembled in the rack on the opposite side. The rack is shown adjusted for this purpose in Fig. 2, and where the top guides are not used to support the platform 11, said platform is secured to the corner posts by bolts passing through the apertures 8 of said posts and through flanges 11^a formed on either end of said platforms.

In Fig. 5 an arrangement is shown for holding chases of two different sizes on one side of the rack, and in this instance the top guide is made in two parts. Each part 18 has a relatively broad flange 19 to which is secured a plurality of channel irons 20 adapted to register with the corresponding channels of the lower guide as with the arrangement shown and described in Fig. 1. The top guides 18 are independently adjustable and adapted to be secured on the corner posts, and in all other respects the construction and manner of use are the same.

A back guide or support is provided to be mounted on either platform (see Fig. 1) and has for its purpose to receive the backs of the chase racks and hold the same in erect position and to maintain the proper distance between the forms contained in said racks and thereby avoid the disadvantages attending rubbing or other contact of said forms, as will be understood. This device is an extra attachment intended to hold sixteen, or fewer, chases of sizes so irregular that they could not be held by a full-length or half-length top guide.

The back support consists of a pair of side plates 13 of substantially triangular design, and two corrugated sheets or strips 14 disposed with their respective channels to register as shown in Fig. 4, and said sheets have flanged edges 15 for securing to the side plates by rivets 16, or otherwise. The back guide is movably mounted on the shelf and is provided with a pair of wing nuts 17 adapted to clamp against the side edges of the platform supporting plate and secure the back guide in set position.

From the foregoing it will be seen that the platforms, together with their appurtenances, may be adjusted at will to receive chase racks of different sizes, and that the chases of uniform size may be assembled together for the convenience of the stoneman to ascertain at a glance what chases or dead forms in the chases of any size are available. It will be further noted that the back support or guide is adjustable with the platform, since it is mounted thereon.

It is obvious that those skilled in the art may vary the details of construction and arrangement of parts without departing from the spirit of the invention, and therefore I do not wish to be limited to such features except as may be required by the claims.

Having thus fully described my said in-

vention, what I claim as new and desire to secure by Letters Patent, is:

1. In a chase rack for printers' use, the combination, of a frame structure having a base and corner posts, a channeled platform mounted on the base, guide members adjustably mounted on said corner posts having channels registering with the channels of the platform, a second channeled platform mounted on said guide members, and guide members adjustably mounted on said corner posts having channels registering with the channels of the second platform, substantially as set forth.

2. In a chase rack for printers' use, the combination, of a frame structure, a channeled platform vertically adjustable on the frame structure, a channeled back guide horizontally adjustable on said platform, and guide members adjustably mounted on the frame structure having channels registering with the channels of said platform and the back guide respectively, substantially as set forth.

3. In a chase rack for printers' use, the combination, of a frame having opposite entrances, a platform mounted on the frame and provided with channel-ways, and a pair of top guides independently and adjustably mounted on the frame at each entrance thereof, said top guides having each a plurality of channel-ways registering with the channel-ways of the platform, substantially as set forth.

4. In a chase rack for printers' use, the combination, of a frame constructed of sheet metal and having a base and corner posts, a platform mounted on the base having means forming channel-ways, a pair of cross-bars adjustably mounted on said corner posts, means secured to said cross-bars providing channel-ways registering with said platform channel-ways, a second platform having means providing channel-ways, and members mounted on the corner posts having each a plurality of channel-ways registering with the channel-ways of said second platform, substantially as set forth.

In witness whereof I have hereunto set my hand and seal at Newark, New Jersey, this 28th day of July, A. D. nineteen hundred and fifteen.

HENRY L. BULLEN. [L. s.]

Witnesses:

WADSWORTH A. PARKER,
CLARENCE C. WARDER.