

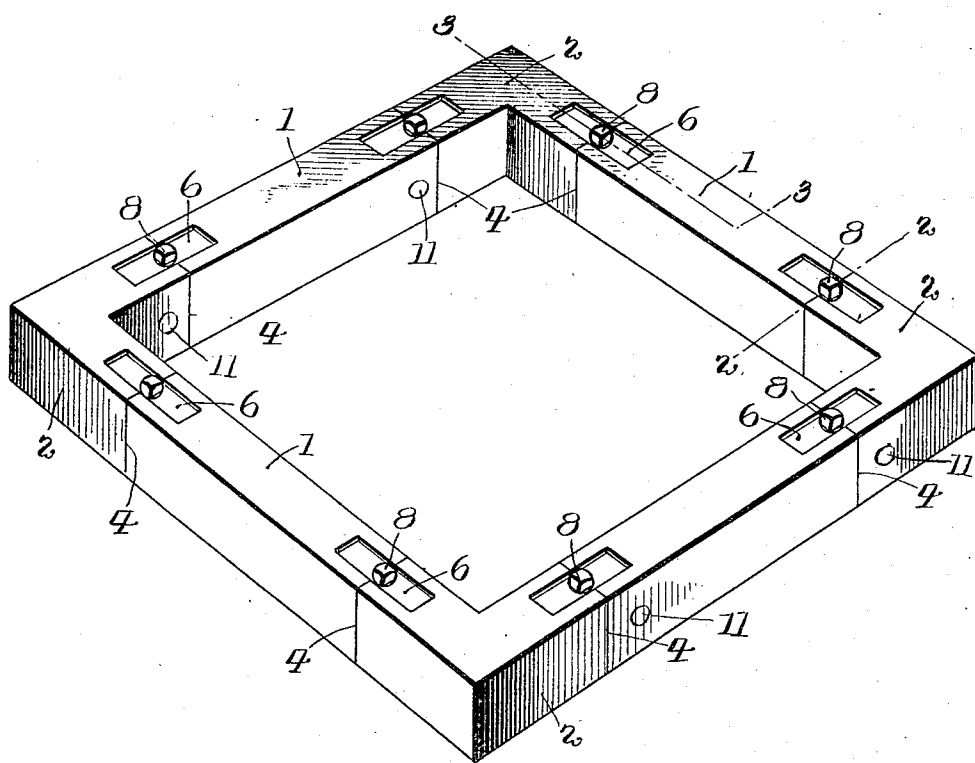
L. C. HAY & W. S. MARDER.
STEEL SPACING FURNITURE FOR PRINTERS.
APPLICATION FILED MAY 26, 1915.

1,283,750.

Patented Nov. 5, 1918.

2 SHEETS—SHEET 1.

Fig. 1.



Witness
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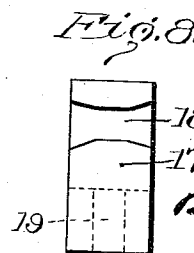
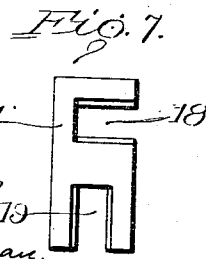
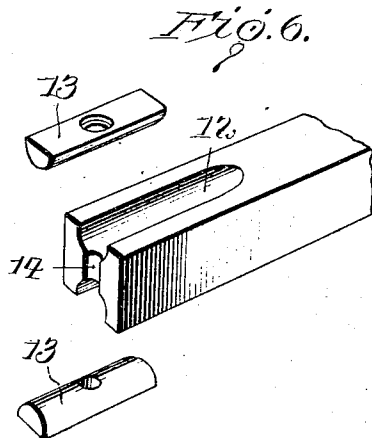
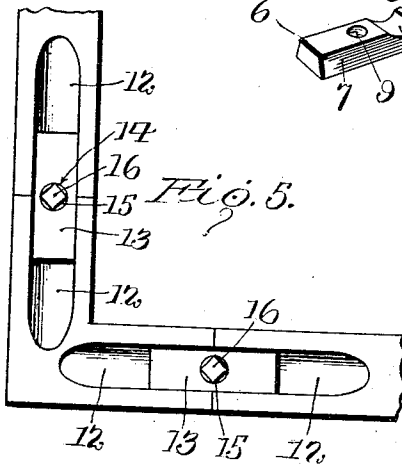
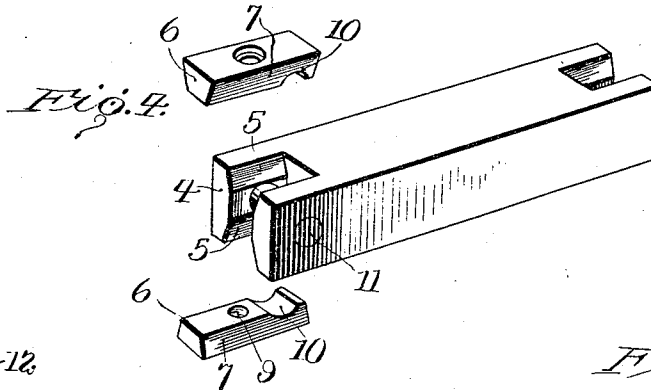
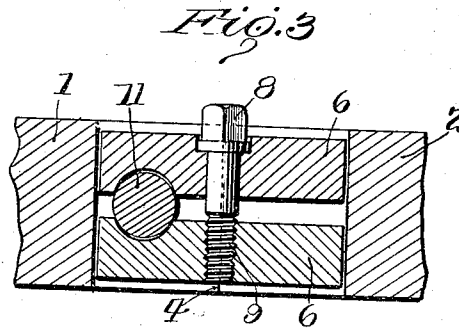
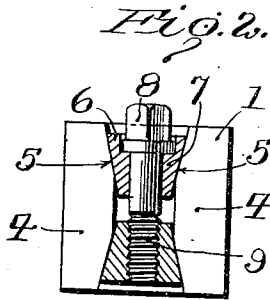
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

LEVI C. HAY, OF JERSEY CITY, AND WALTER S. MARDER, OF PLAINFIELD, NEW JERSEY, ASSIGNORS TO AMERICAN TYPE FOUNDERS COMPANY, OF JERSEY CITY, NEW JERSEY, A CORPORATION OF NEW JERSEY.

STEEL SPACING FURNITURE FOR PRINTERS.

1,283,750.

Specification of Letters Patent.

Patented Nov. 5, 1918.

Application filed May 26, 1915. Serial No. 30,595.

To all whom it may concern:

Be it known that we, LEVI C. HAY, a citizen of the United States, residing at Jersey City, Hudson county, and State of New Jersey, and WALTER S. MARDER, a citizen of the United States, residing at Plainfield, Union county, and State of New Jersey, have invented and discovered certain new and useful Improvements in Steel Spacing Furniture for Printers, of which the following is a specification.

The present invention relates to a spacing furniture for printers' use and consists in the combinations and arrangements of elements hereinafter described and particularly set forth in the accompanying claims.

The invention has for its purpose to construct such furniture from units or sections that may be readily assembled into the form of frames of sizes commensurate with the dimensions of the type forms set, thereby avoiding the requirement of keeping on hand the usual assortment of furniture stock necessary for this purpose.

A further object of the invention is to produce made-up furniture of units that may be readily assembled and disassembled, and having means for connecting and locking the same, which may be conveniently handled and in an easily performed operation.

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

Figure 1 is a perspective view of the furniture made up,

Fig. 2 a transverse sectional view thereof taken on the line 2—2,

Fig. 3 a similar view taken on the line 3—3,

Fig. 4 a detail perspective view of one of the furniture units and illustrating the connecting and locking means,

Fig. 5 a top plan view of a modified form of section,

Fig. 6 a view corresponding to Fig. 4 of the modified form, and

Figs. 7 and 8 elevational views of a modified form of corner piece.

Referring to the construction in further detail and wherein like reference characters indicate corresponding parts in different views, the structure comprises a plurality of similar straight sections 1, and angle, or

corner, sections 2 connected and united by suitable fastenings in the form of a frame, as shown. Said sections 1 and 2 will be of various lengths to permit of easy adjustment of sizes for complete furniture.

The abutting ends 4 of the respective sections meet in close intimate contact to afford a rigid structure, and the end portions of each section are cut away to provide open key-ways, having relatively inclined surfaces 5 forming wedge elements adapted to cooperate with the fastening means for connecting the several sections.

The means for connecting and securing the several units of the frame consists of a pair of similar wedge blocks 6 that fit within the registering key-ways of adjoining sections, and whose faces 7 co-act with said wedge faces 5, and a bolt or pin 8 carried by one of the blocks 6 has screw engagement with the other at 9 for bringing said blocks together and rigidly securing the pair of sections together. The two blocks 6 are notched near one end, as at 10, to receive the stud 11 mounted on the section in the key-way, to hold said blocks in their respective section to the end of facility in assembling and securing the parts, as will be understood.

In the arrangement shown in Figs. 5 and 6, the respective ends of each section are formed with curved recesses or depressions 12 on opposite faces thereof to receive the complementary shaped pair of blocks 13, and that portion between said recesses and at the end is cut away so that each two adjoining sections form an opening at 14 to receive the screw-bolt, or tightening pin, 15 having a square head 16 for an adjusting key. The opening through the block 13 for said pin is countersunk so that the head of the pin will not project above the furniture.

The straight corner piece 17, shown in Figs. 7 and 8, is of relatively short length and has key-ways 18 and 19 therein similar to the key-ways 4 of the sections shown in Fig. 1. Said key-ways are disposed at relatively right angles and receive the wedge-blocks to connect the adjoining sections in the manner described above.

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 there-

fore we do not wish to be limited to such features except as may be required by the claims.

Having thus fully described our said invention, what we claim as new and desire to secure by Letters Patent, is:

1. In spacing furniture, a frame comprising straight and corner sections, and a locking device therefor located at each of the respective adjacent ends of said sections, substantially as set forth.

2. In spacing furniture, a frame comprising assembled straight and corner sections, members connecting the sections, and independent wedge locking devices securing said wedge members and the sections together, substantially as set forth.

3. In spacing furniture, a frame comprising straight and corner sections having registering key-ways, independent wedge members fitting in said key-ways, and locking devices connecting said wedge members and securing the sections together, substantially as set forth.

4. In spacing furniture, a frame comprising straight and corner sections having registering key-ways forming cam elements, wedge blocks engaging with said cam elements, and devices carried by the wedge

blocks for locking the same to secure said sections together, substantially as set forth.

5. In spacing furniture, a frame comprising straight and corner sections having open key-ways at the respective ends thereof, and the key-ways of adjacent blocks registering; wedge blocks wholly contained within said key-ways; and bolts having threaded engagement with said blocks to secure the frame sections together, substantially as set forth.

6. Spacing furniture for printers' forms, comprising sections, parts of which are angle corner sections and parts of which are straight sections, the several sections being adapted to fit together with their ends abutting to form hollow furniture and independent means for securing each of the abutting ends of said sections, substantially as set forth.

In witness whereof we have hereunto set our hands and seals at Jersey City, New Jersey, this 24 day of May, A. D., nineteen hundred and fifteen.

LEVI C. HAY.

WALTER S. MARDER. [L. s.]

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."