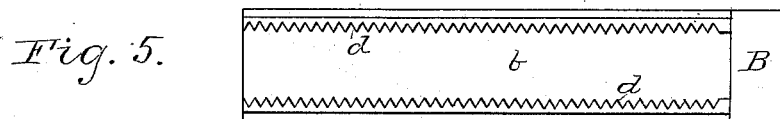
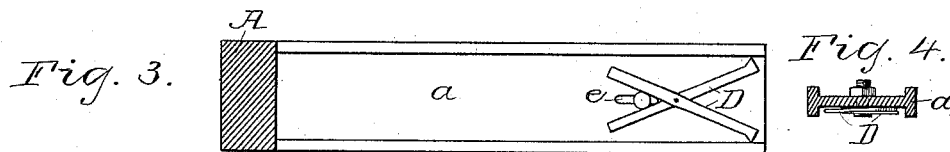
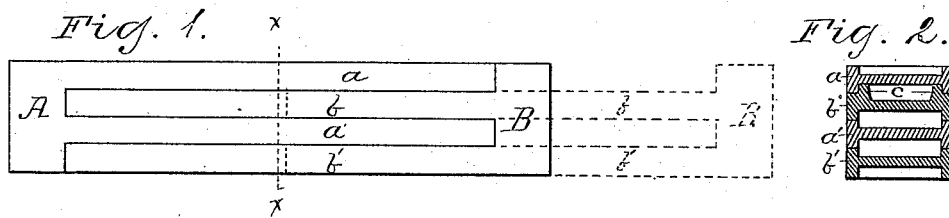


(No Model.)

F. H. DODD.
PRINTER'S FURNITURE.

No. 344,035.

Patented June 22, 1886.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FRANK H. DODD, OF HYDE PARK, ILLINOIS.

PRINTER'S FURNITURE.

SPECIFICATION forming part of Letters Patent No. 344,035, dated June 22, 1886.

Application filed January 26, 1886. Serial No. 189,790. (No model.)

To all whom it may concern:

Be it known that I, FRANK H. DODD, of Hyde Park, in the county of Cook and State of Illinois, have invented certain new and useful
5 Improvements in Printer's Furniture; 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
10 the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Heretofore it has been customary for printers when making up forms to cut such
15 lengths of furniture as they may need but have not got on hand. This cutting up of furniture necessitates a constant supply of material, which in large establishments is a considerable item.

The object of my invention is to provide an adjustable piece of furniture that is capable
20 of being lengthened or shortened within certain limits as desired.

25 In the drawings, Figure 1 is a side elevation of my invention. Fig. 2 is a vertical transverse section, taken on line *xx*, Fig. 1. Fig. 3 shows an underneath view of the upper bar of one of the parts, showing a device for
30 clamping the companion bar of the other part. Fig. 4 shows a transverse vertical section of the same. Fig. 5 shows a plan of the companion bar referred to in the description of Fig. 3.

35 Reference being had to the drawings, it will be noticed that my invention consists of two parts, each consisting of a head and having two parallel bars of corresponding length extending horizontally from them. Head A has
40 its upper bar, *a*, extended from it on the same plane as its upper surface. The lower bar, *a'*, is separate from the upper bar about the thickness of the side of said bar, and is located about the same distance above the plane of
45 the lower surface of said head. Head B, with its two bars *b* and *b'*, is the same as head A and bars *a* and *a'*, except that its position is reversed. These parts are intended to be brought together, so that the upper bar, *b*, of
50 one part will pass longitudinally between bars *a* and *a'* of the other part, and so that the bar *a'* of

the latter part will pass longitudinally between bars *b* and *b'* of the former. When closed, these parts make an almost solid piece of furniture, and, without affecting its strength by
55 drawing them apart, they can be elongated to a length nearly twice the length of the bars.

In order that as much metal may be saved as possible in the construction of my invention I prefer to depress the web connecting the
60 sides of the bars as shown in Fig. 2.

In order to prevent the parts from slipping apart laterally I provide longitudinal flanges
65 *c c*, which project vertically from the upper bar, *b*, as shown, so as to bear against the shoulders formed in the under adjacent surface of bar *a* by depressing or making thinner the web connecting the sides of said bar.

It might be found desirable to furnish some means for locking the two parts when the in-
70 vention has been adjusted to a certain length. This can be accomplished in many ways, but I prefer the one shown in Figs. 3, 4, and 5, which consist of two pawls, D, fulcrumed at or near their centers of length to the under
75 surface of bar *a*. These pawls D engage with racks *d* or serrations made in the shoulders of the bar *b*, immediately under it. These pawls are forced into engagement with the racks at any point desired by means of the head of a
80 small bolt, which can be adjusted longitudinally in slot *e* in said bar *a* and maintained in such adjusted position by means of a nut on the upper exposed screw-threaded end of said bolt.

85 What I claim as new is—

1. Printer's furniture consisting of two parts, each provided with a head, and two bars projecting from said heads, so located with reference to each other that one bar of one part
90 passes longitudinally between the two bars of the other.

2. Printer's furniture consisting of two parts, viz: head A, having bars *a* and *a'*, projecting horizontally and parallel to each other, and
95 head B, and bars *b* and *b'*, projecting horizontally therefrom and parallel to each other, said bar *b* being provided with vertical flanges *c c*, projecting therefrom, and said bar *a* having the web connecting the sides being made
100 thinner, so as to form shoulders against which said flanges abut.

3. Printer's furniture consisting of two parts,
viz: head A, having parallel bars *a* and *a'*, pro-
jecting horizontally therefrom, and having
pawls D, fulcrumed at or near their centers of
5 length to the under surface of bar *a*, and head
B, having the parallel bars *bb'*, projecting from
said head horizontally on planes alternating
with bars *a* and *a'*, said bar *b* having longi-
tudinal racks projecting from its upper sur-

face, which are engaged by said pawls, as set forth.

In testimony that I claim the foregoing as
my own I hereunto affix my signature in pres-
ence of two witnesses.

FRANK H. DODD.

Witnesses:

JAMES H. COYNE,
FRANK D. THOMASON.