

March 31, 1936.

D. BEFERA

2,036,113

COLLAPSIBLE AND ADJUSTABLE STEEL STAND

Filed Feb. 19, 1935

2 Sheets-Sheet 1

Fig. 1.

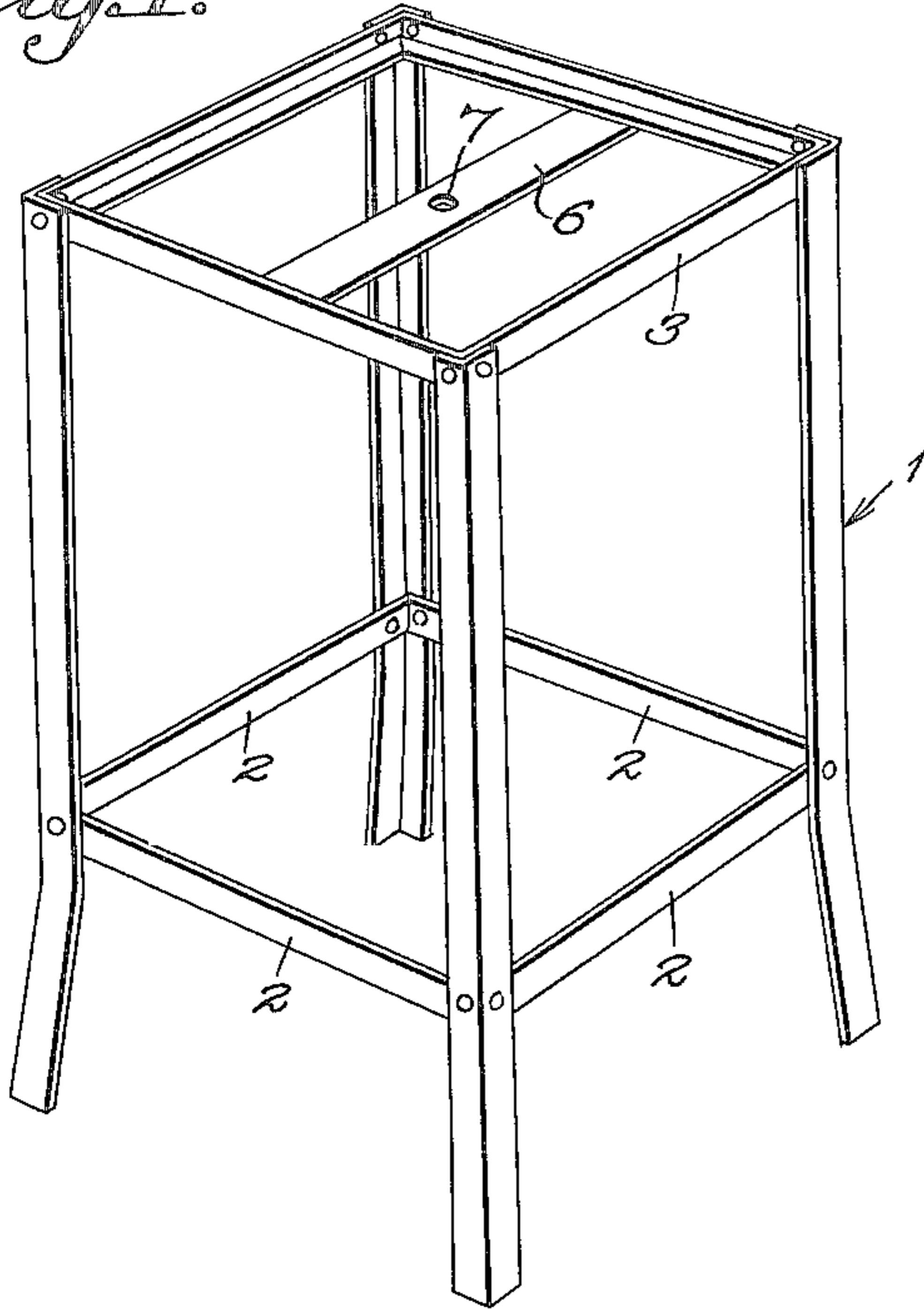


Fig. 2.

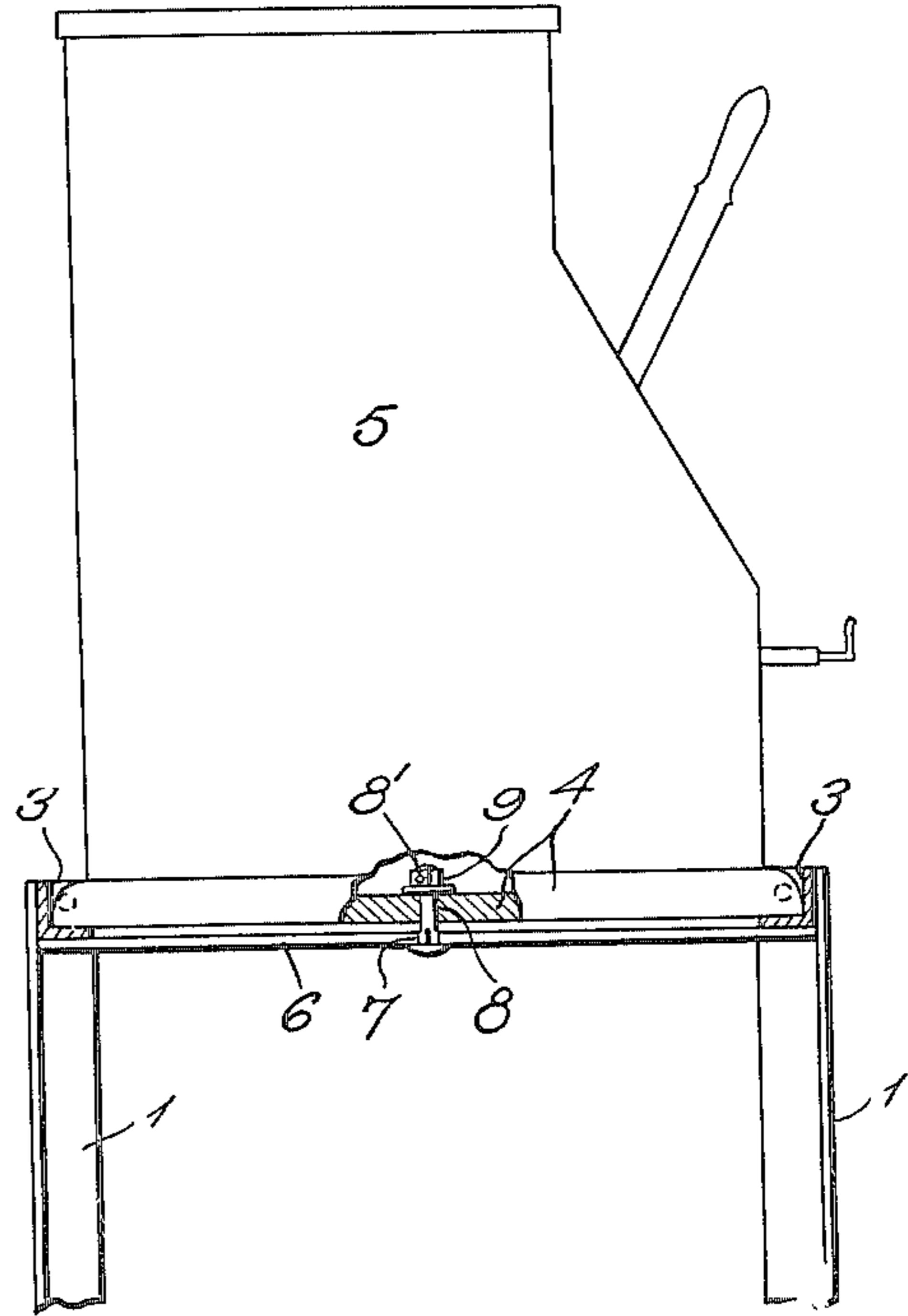


Fig. 3.

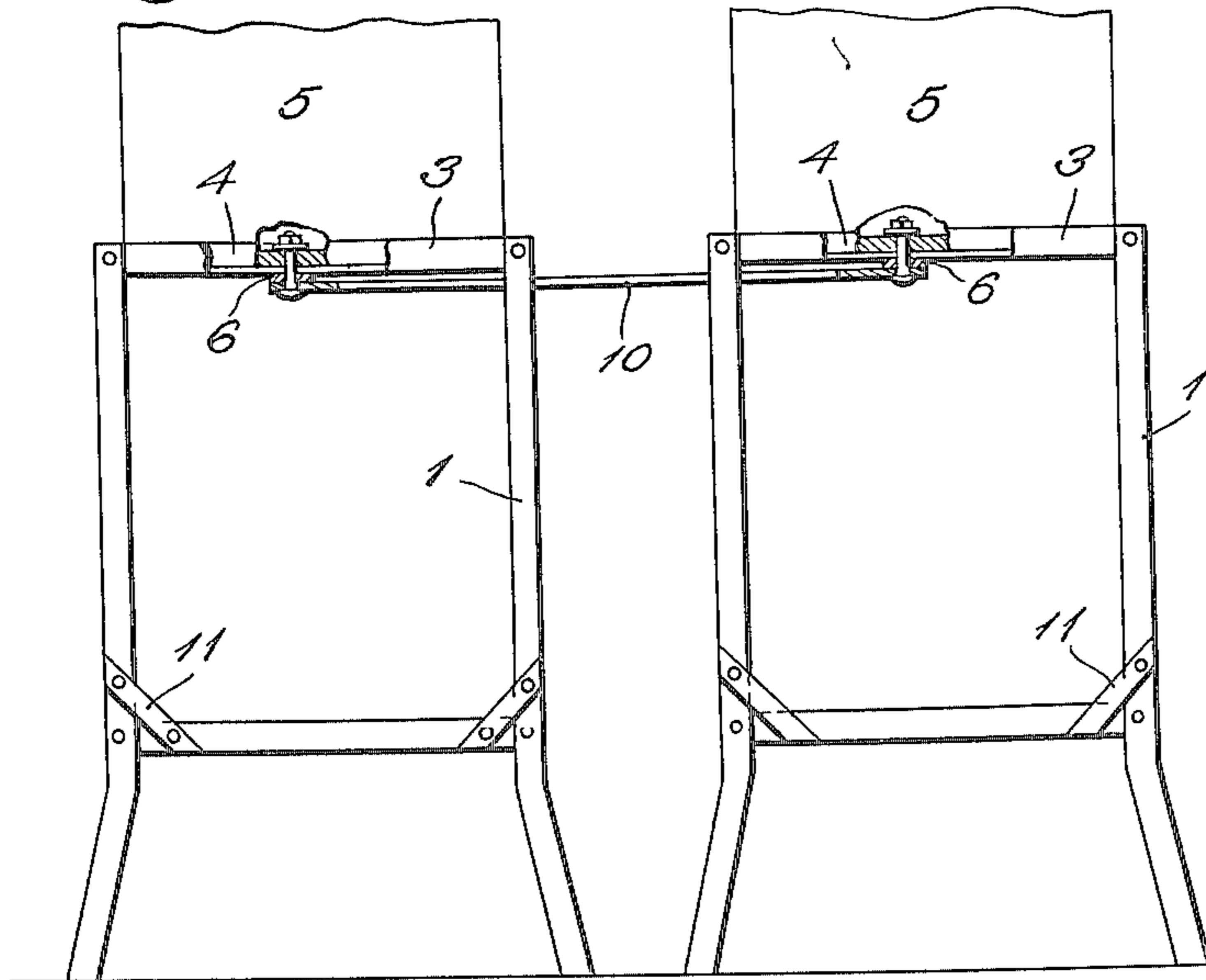
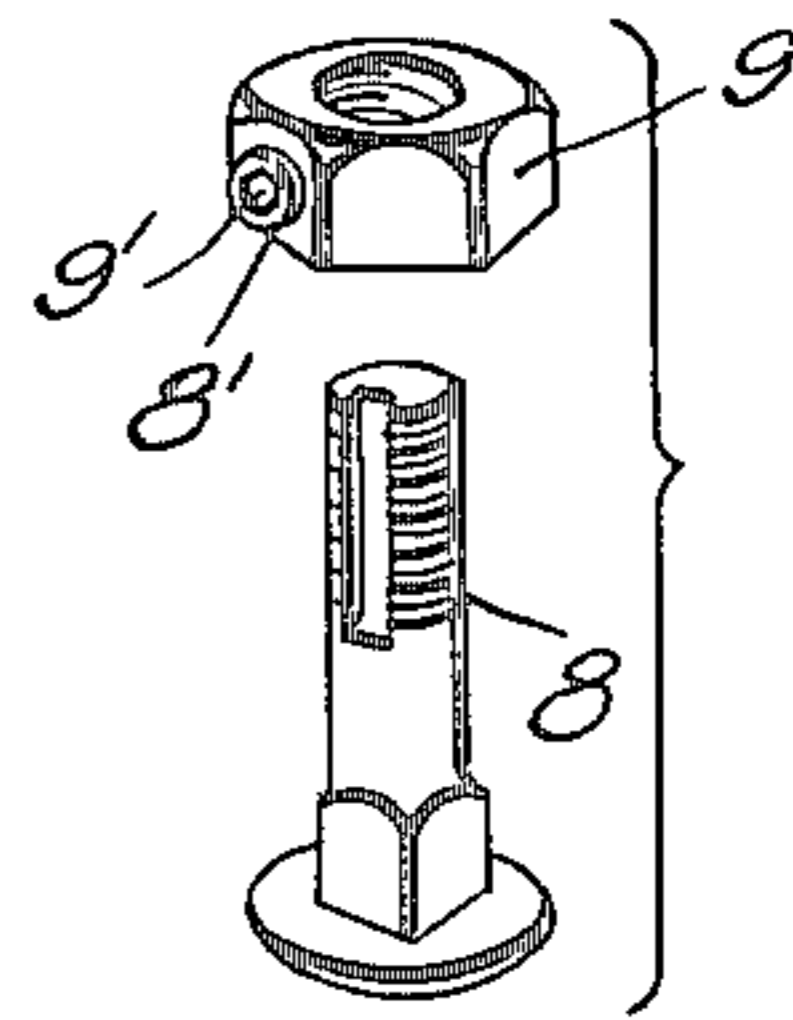


Fig. 9.



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Fig. 4.

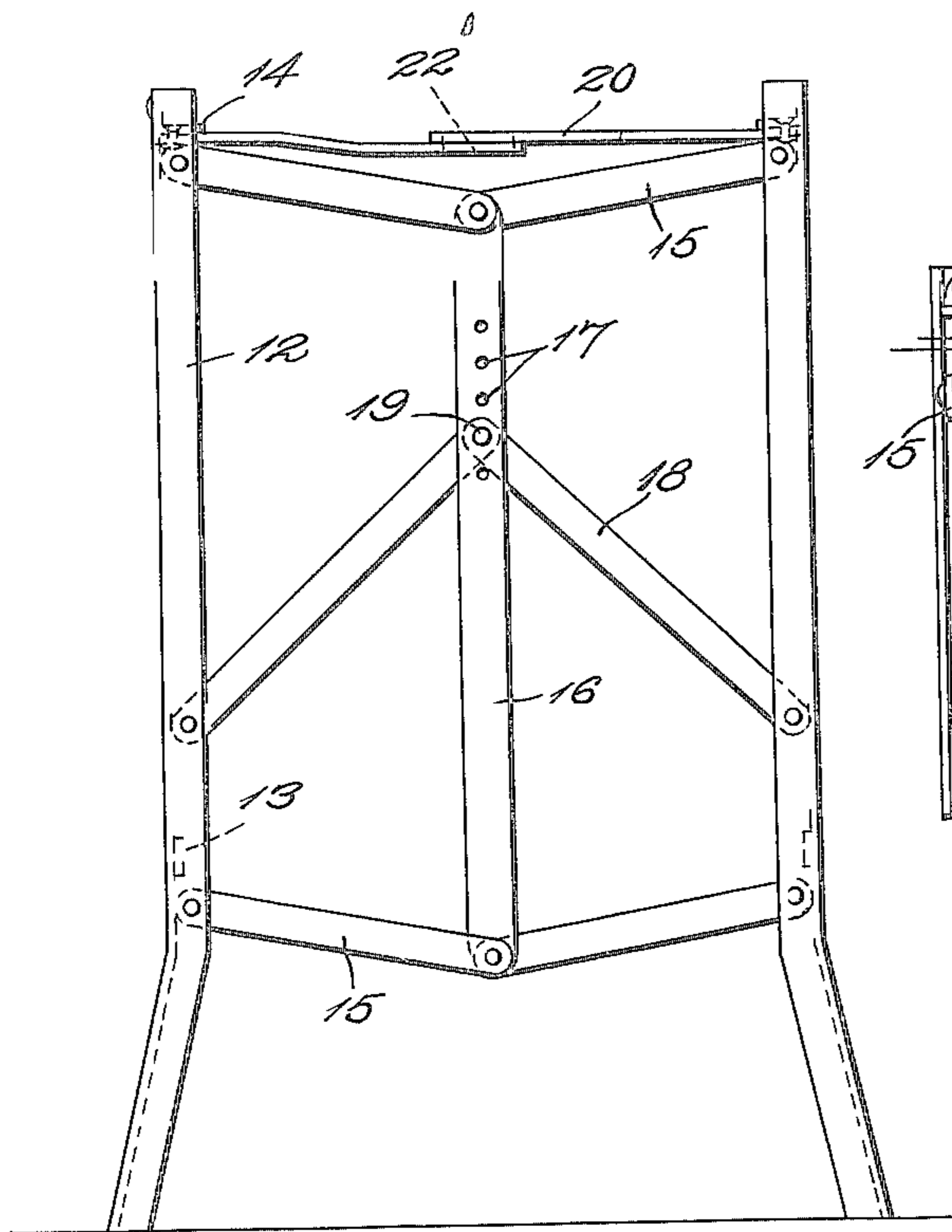


Fig. 5.

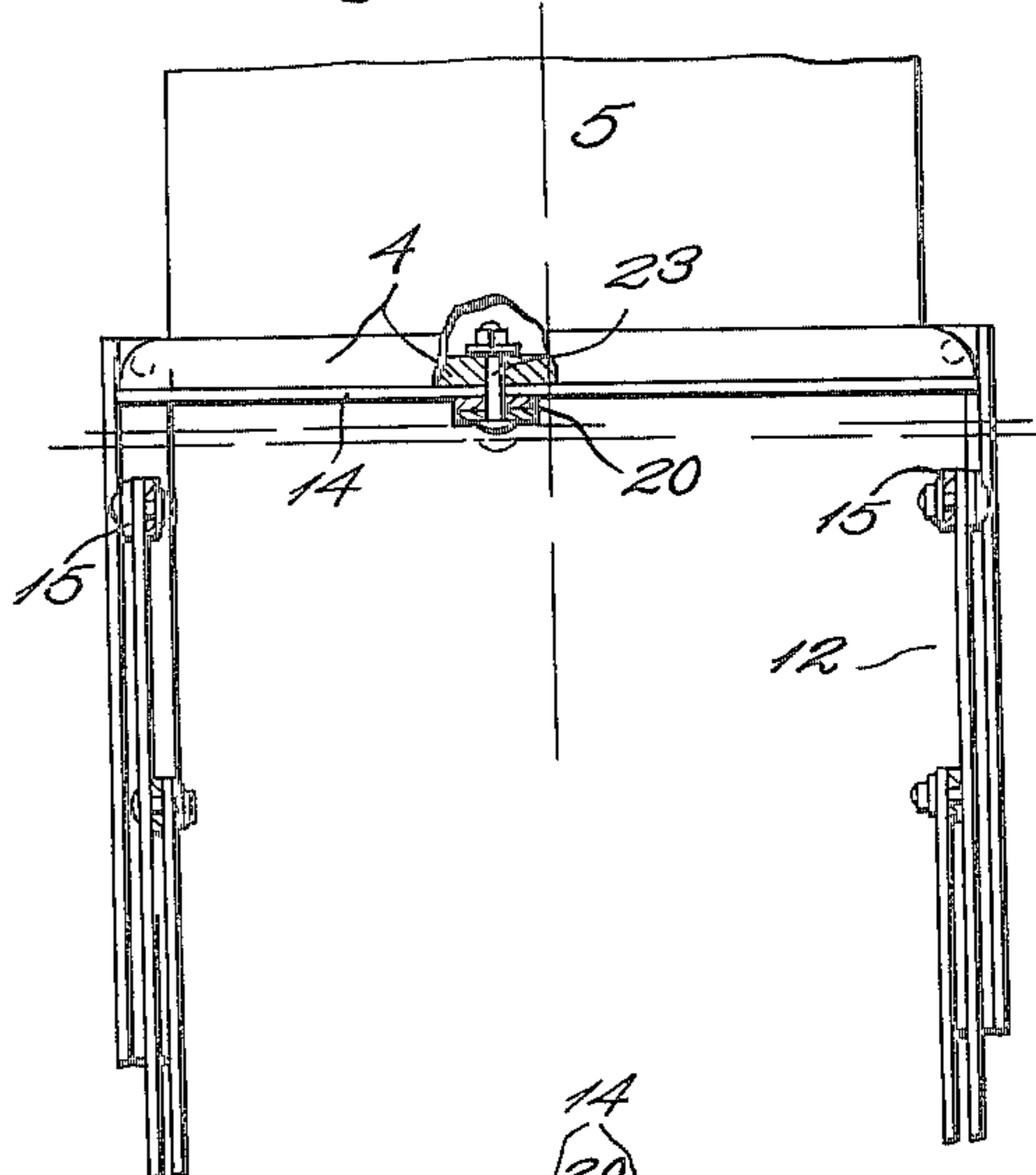


Fig. 8.

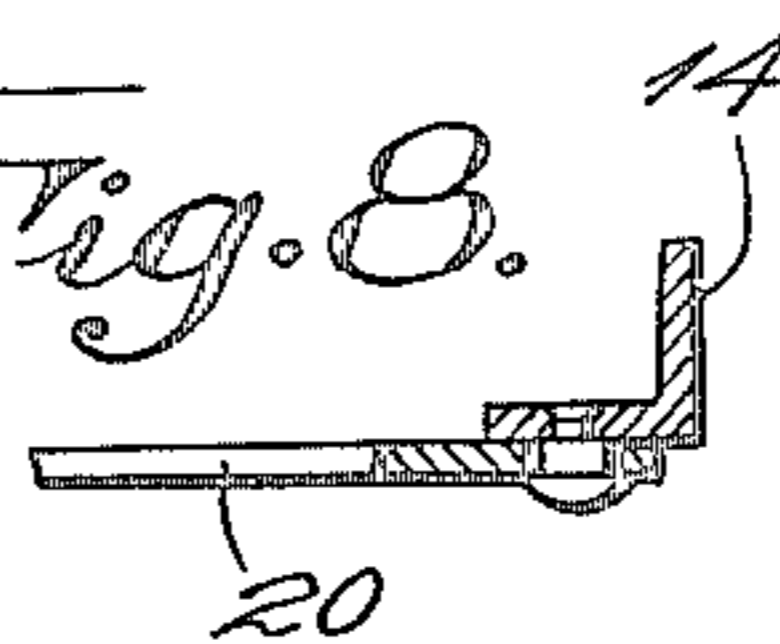


Fig. 7.

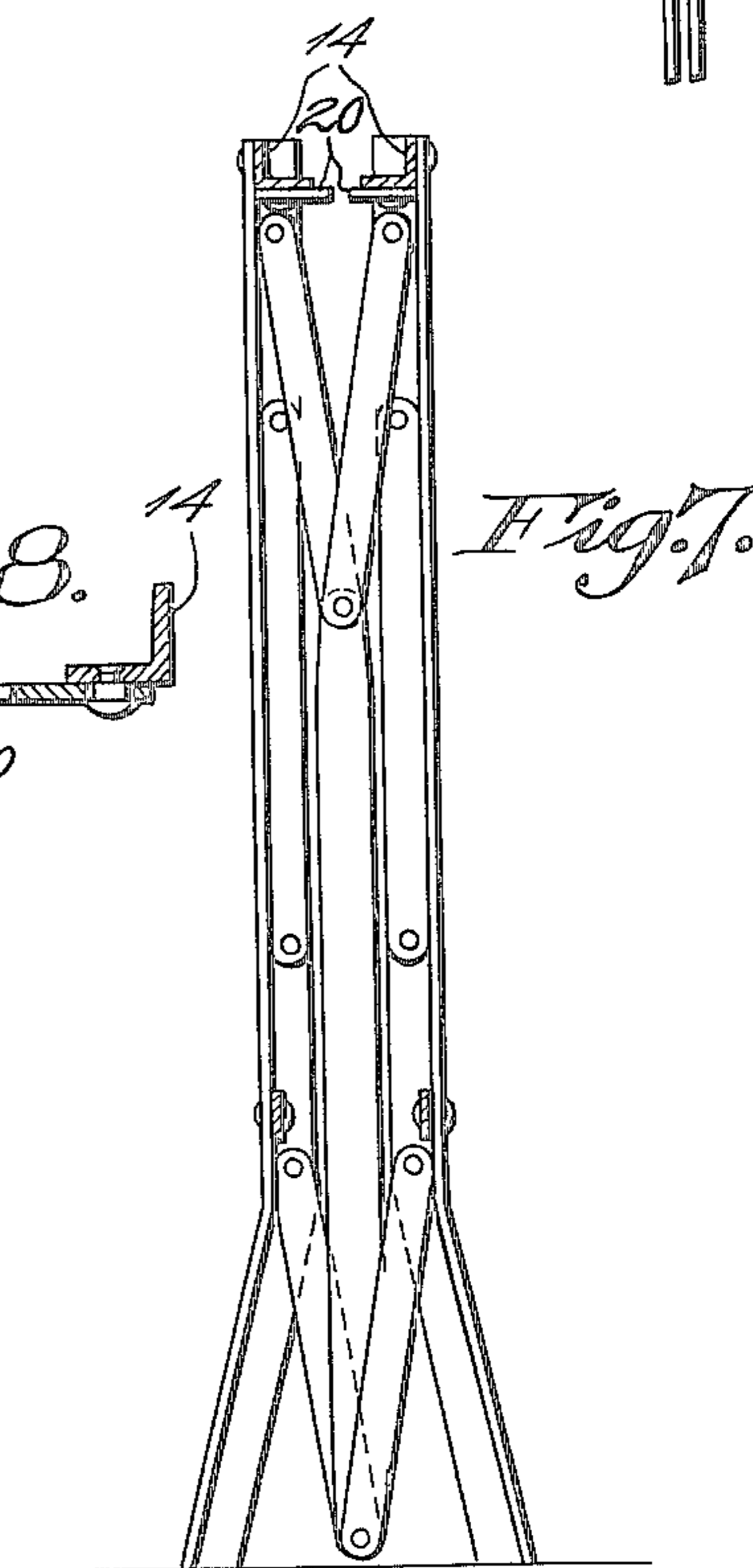
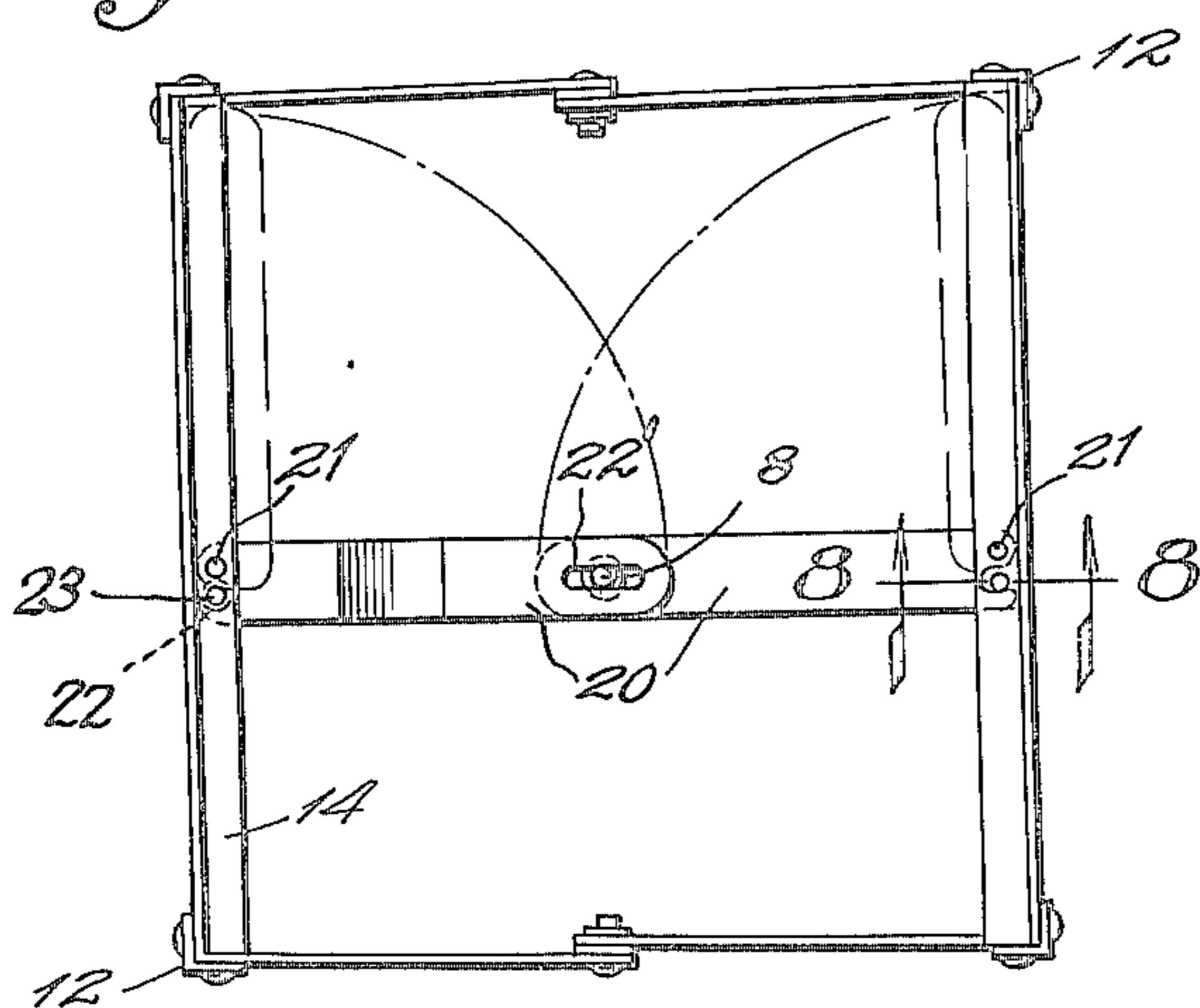


Fig. 6.



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# UNITED STATES PATENT OFFICE

2,036,113

## COLLAPSIBLE AND ADJUSTABLE STEEL STAND

Delmo Befera, Hibbing, Minn.

Application February 19, 1935, Serial No. 7,296

3 Claims. (Cl. 248—163)

This invention relates to stands especially adapted for supporting vending machines and the like, and has for the primary object the provision of a device of this character which will prevent unauthorized removal of the machine from the stand and also having means whereby devices of like construction may be fastened together to prevent disarrangement of the machine supported thereby.

Another object of this invention is the provision of a device of the above stated character which may be readily adjusted to accommodate machines of different sizes and may be readily collapsed for storage when not in use or for transportation from one place to another.

With these and other objects in view, this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which

Figure 1 is a perspective view illustrating a stand construction in accordance with my invention.

Figure 2 is a side elevation, partly in section, showing a machine carried by the stand and secured thereto.

Figure 3 is a side elevation, partly in section, showing the means of connecting two or more stands together.

Figure 4 is a side elevation illustrating a modified form of my invention.

Figure 5 is a fragmentary sectional view showing my modified form of invention with a machine secured thereto.

Figure 6 is a top plan view illustrating the modified form of my invention.

Figure 7 is a sectional view illustrating the stand folded or collapsed.

Figure 8 is a sectional view taken on the line 8—8 of Figure 6.

Figure 9 is a detail view showing a securing bolt and its lock nut.

Referring in detail to the drawings, the numeral 1 indicates vertically arranged legs preferably constructed of angle irons and connected adjacent their lower ends by braces 2. The legs flare outwardly at their lower ends so that the device will more readily remain in an upright or standing position. Angle iron members 3 are secured to the upper ends of the legs and cooperate with one another in forming a substantially rectangular seat in which may be po-

sitioned a base 4 of a vending machine 5. An anchoring plate 6 is secured to oppositely arranged members 3 and has an opening 7 to receive a bolt 8 which extends through the base 4 of the machine and receives thereon a nut 9. The nut 9 is applied to the bolt from the inside of the machine so that when the machine is assembled or closed the removal of the bolt is prevented consequently securing the machine to the stand against unauthorized removal. The nut 9 is locked to the bolt 8 by a set bolt 8' engaging in a groove of the bolt and is provided with a socketed end 9' requiring a special type of wrench for the operation, consequently rendering the removal of the nut 9 to free a machine from its stand more difficult.

A tie bar 10 may be provided for anchoring a pair of stands together, as shown in Figure 3, the bar 10 being provided with openings to permit passing of bolts 8 therethrough prior to being passed through the openings 7 of the plates 6. Short braces 11 may be provided between the legs and the braces 2, as shown in Figure 3.

Referring to my modified form of invention, as shown in Figures 4 to 8, pairs of vertically arranged legs 12 are provided and the legs of each pair are connected by braces 13 adjacent their lower ends and their upper ends connected by angle iron members 14 arranged oppositely to one another to cooperate in forming a seat for a vending machine.

Pairs of braces 15 are pivoted to the legs 12 and to the ends of adjusting bars 16, the latter being provided with a series of openings 17. Braces 18 are pivoted to the legs and may be adjustably connected to the bars 16 by bolts or like fasteners 19 arranged in the openings 17. The braces 15 and 18 and the bars 16 provide a construction which will permit the pair of legs to be adjusted towards and from each other for the purpose of accommodating vending machines of different sizes.

In this form of my invention the securing plate 20 consists of a pair of sections having adjacent ends thereof provided with slots 22' to receive the bolt 8, while the outer ends of said sections are pivoted to the members 14, as shown at 21. Said last-named ends of the sections are provided with notches 22 to engage pins 23 on the members 14 when the plate 20 is in an operative position for securing the machine to the stand. The sections of the plate may be swung to parallel the members 14 by the removal of the bolt 8, consequently permitting the pairs of legs to

be moved into collapsed or folded position, as shown in Figure 7.

Having described the invention, I claim:

5 1. A stand comprising pairs of vertically arranged legs, braces connecting the legs of each pair, angle iron members connecting the legs of each pair to cooperate with each other in forming a seat for a vending machine, adjusting braces pivoted to the legs, adjusting bars pivoted  
10 to said adjusting braces, and braces pivoted to said legs and adjustably secured to said bars.

15 2. A stand comprising pairs of vertically arranged legs, braces connecting the legs of each pair, angle iron members connecting the legs of each pair to cooperate with each other in forming a seat for a vending machine, adjusting braces pivoted to the legs, adjusting bars pivoted to said adjusting braces, braces pivoted to said legs and adjustably secured to said bars, and  
20 an anchoring plate pivoted to said channel iron members and including sections with overlapped

slotted ends, a bolt to extend through the slotted ends of said sections and secured to a vending machine.

3. A stand comprising pairs of vertically arranged legs, braces connecting the legs of each pair, angle iron members connecting the legs of each pair to cooperate with each other in forming a seat for a vending machine, adjusting braces pivoted to the legs, adjusting bars pivoted to said adjusting braces, braces pivoted to said legs  
10 and adjustably secured to said bars, an anchoring plate pivoted to said channel iron members and including sections with overlapped slotted ends, a bolt to extend through the slotted ends  
15 of said sections and secured to a vending machine, said anchoring plate having notches in its pivoted end, and pins carried by the channel iron members to engage in the notched ends of the anchoring plate.

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