

Sept. 22, 1931.

J. P. BEASLEY

1,823,871

SAWHORSE

Filed June 14, 1929

2 Sheets-Sheet 1

Fig. 1.

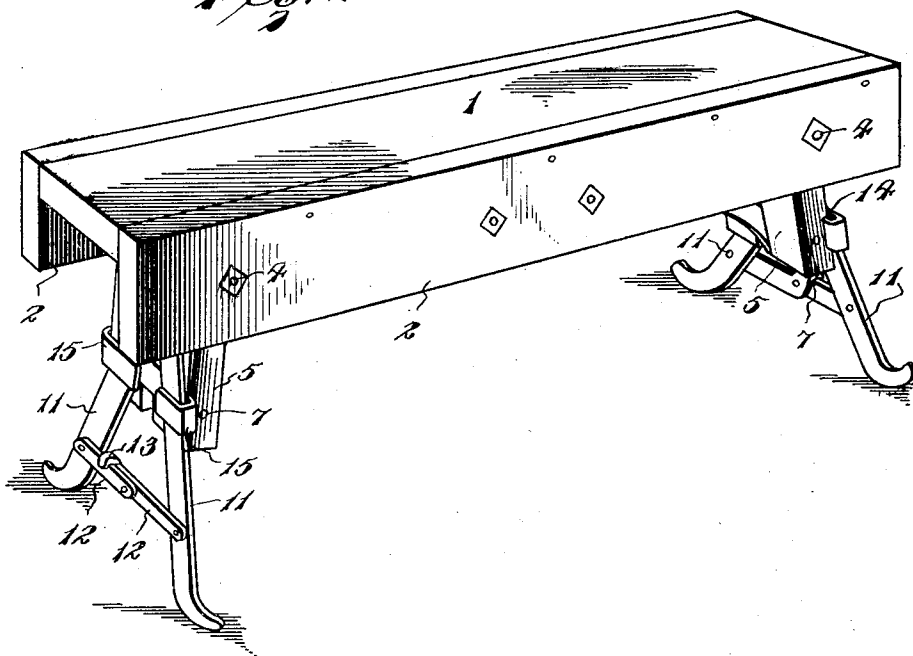
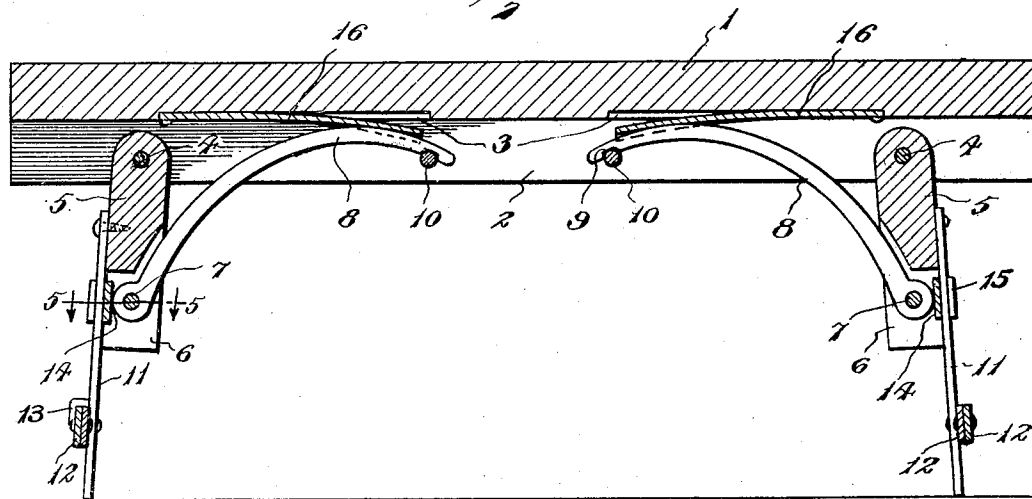


Fig. 2.



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Fig. 3.

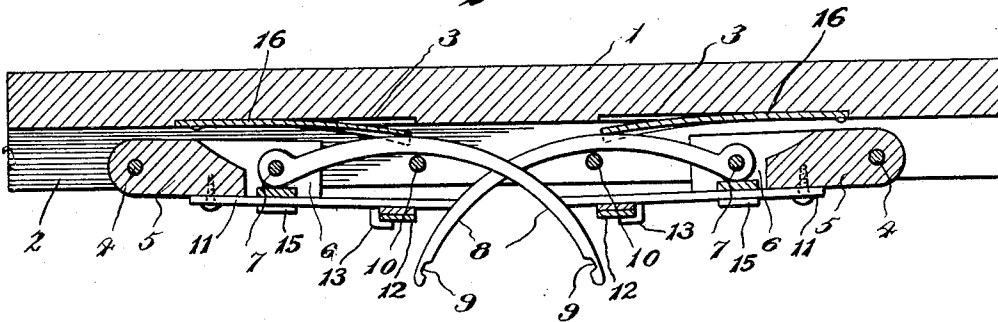
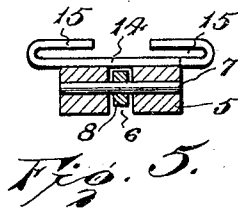
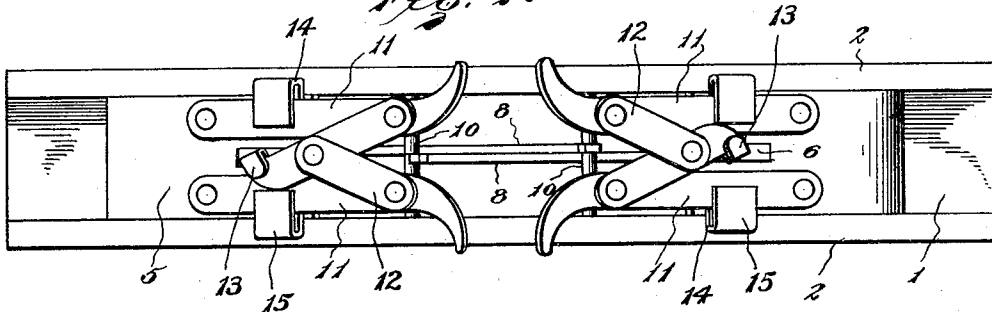


Fig. 4.



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UNITED STATES PATENT OFFICE

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SAWHORSE

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The present invention is directed to improvements in saw horses.

The primary object of the invention is to provide a device of this character which can be easily and quickly folded in order that it can be conveniently transported or stored.

Another object of the invention is to provide a device of this character which is so constructed that it can be conveniently folded or unfolded and when unfolded will be rigidly maintained.

Another object of the invention is to provide a device of this character which is simple in construction, durable, efficient in operation, and one which can be manufactured at a minimum cost.

With these and other objects in view, this invention resides in the novel features of construction, formation, combination and arrangement of parts to be hereinafter more fully described, claimed and illustrated in the accompanying drawings, in which:

Figure 1 is a perspective view of the device in its operative position.

Figure 2 is a longitudinal sectional view through the same.

Figure 3 is a longitudinal sectional view showing the horse folded.

Figure 4 is a bottom plan view showing the horse folded.

Figure 5 is a sectional view on the line 5—5 of Figure 2.

Referring to the drawings, the numeral 1 designates the main beam, to the sides of which are suitably secured the side boards 2, said beam having its under surface provided with spaced recesses 3, the purpose of which will be later explained. Supported by the side boards 2 are bolts 4 to which are pivotally connected blocks 5, said blocks having longitudinal slots 6 formed therein which are bridged by pins 7, and pivotally connected to said pins are the outer ends of the arcuate arms 8, said arms having seats 9 formed near their free ends which are adapted to engage with the cross rods 10 supported by the side boards 2.

Pivotally connected to each block 5 is a pair of legs 11, said legs being connected by brace bars 12, one of said bars having a stop

carried thereby to coact with the companion bar to hold said bars in their operative position.

Each block 5 has secured thereto a cross strip 14, said strips being provided with rebent ends to provide stops 15 which are adapted to engage the legs when the same are in their unfolded position. The strips 14 are inset in the blocks 5 to admit of the legs 11 lying close against the outer sides of said blocks.

Leaf springs 16 are provided and have their outer ends fixed in the recesses 3, said springs being adapted to engage the arms 8 and will obviously serve to hold the seats 9 firmly engaged with the rods 10 when the horse is in its operative position or as more clearly shown in Figure 2 of the drawings.

When it is desired to fold the device, the arms 8 are forced toward the beam 1, thus flexing the springs 16 so that the seats 9 of the arms will disengage the rods 10 whereupon the blocks and legs can be swung inwardly until they occupy the folded position shown in Figure 3. Obviously, when it is desired to unfold the device for use, the legs are grasped and pulled, thus swinging the blocks which will actuate the arms 8 in a manner to cause the same to slide upon the rods 10 until the seats 9 thereof are forced into engagement with the rods by the springs 16. The legs are then spread and the brace bars adjusted to hold the legs in their spread position, thereby firmly holding the device in its operative position.

From the foregoing, it is thought that the operation and many advantages of the herein described invention will be apparent to those skilled in the art without further description, and it will be understood that various changes in the size, shape, proportion and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

What is claimed is:

1. A device of the class described comprising a beam, side boards carried by the beam, blocks pivotally supported between the side boards and having legs pivotally connected

thereto, arcuate arms having one of their ends pivotally connected to the blocks and having seats in their outer ends, rods supported by the side boards, said arms being movable over the rods, and springs carried by the beam for forcing the arms in a direction to draw the seats to engage said rods to hold the blocks against accidental movement.

2. A device of the class described comprising a beam, blocks pivotally connected with the beam, legs pivotally connected with the blocks, arcuate arms carried by the blocks, stops carried by the blocks for limiting the swinging movement of the legs, and yieldable means carried by the beam for engaging the arms to hold the blocks against pivotal movement.

3. A device of the character specified comprising a beam, blocks pivoted to the beam, a pair of legs pivoted to each of the blocks to swing laterally, means for limiting the lateral spread of the legs, arms pivoted to the blocks, and means on the beam adapted to coact with the arms to hold the legs in upright position.

4. A device of the character specified comprising a beam, blocks pivoted to the beam, a pair of legs pivoted to each of the blocks to swing laterally, cross strips on the blocks having opposite end portions rebent to provide stops to engage the legs, brace bars connecting the legs of each pair, arms pivoted at one end to the blocks, and means on the beam adapted to coact with the arms to hold the legs in upright position.

5. A device of the character set forth comprising a beam, boards at the sides of the beam, blocks pivoted at one end to the side boards to fold therebetween, a pair of legs pivoted to each of the blocks to swing laterally, brace bars connecting the legs to limit their lateral spread, cross strips on the blocks having their ends rebent to engage the legs, curved arms pivoted at one end to the blocks and notched adjacent their free ends, cross rods supported in the side boards and spaced from the beam to receive the pivoted arms, and flat springs secured to the beam and exerting a pressure on the pivoted arms to hold them in engagement with the said cross rods.

In testimony whereof I affix my signature.

JESSIE P. BEASLEY [L. s.]

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