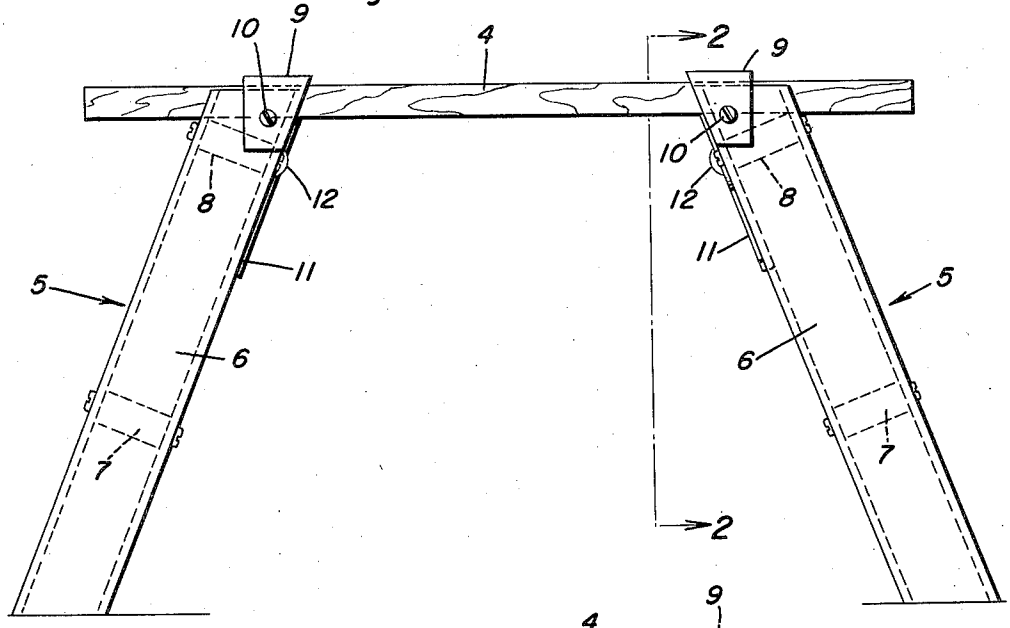
April 8, 1958 C. R. SWORD 2,829,927

KNOCKDOWN SAWHORSE

Filed Sept. 18, 1956

Fig. 1



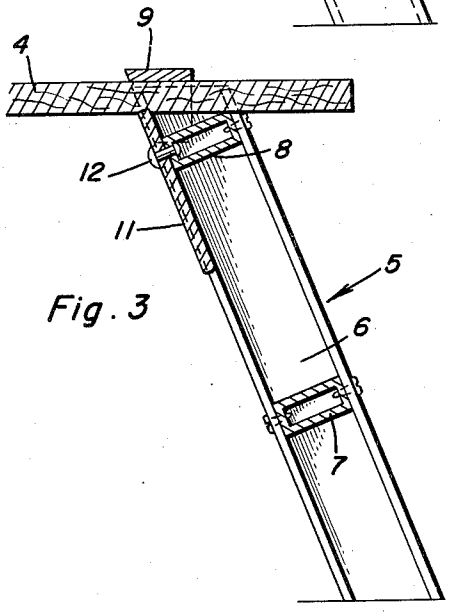
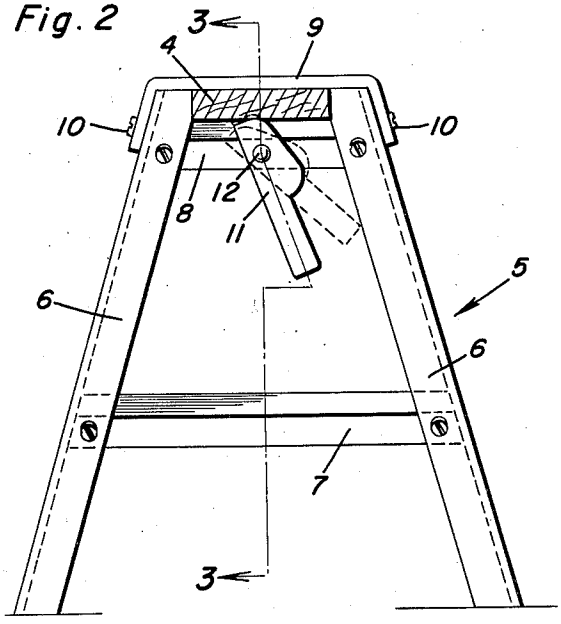


Fig. 3

Fig. 2



Carl Ray Sword
INVENTOR.

BY Thomas A. O'Brien and Harvey B. Jacobson
Attorneys

United States Patent Office 2,829,927
Patented Apr. 8, 1958

2,829,927

KNOCKDOWN SAWHORSE

Carl Ray Sword, Dumas, Tex., assignor of fifty percent to Lew J. Haile, Dumas, Tex.

Application September 18, 1956, Serial No. 610,478

3 Claims. (Cl. 304—5)

This invention relates to knockdown sawhorses of a generally similar nature to that constituting the subject matter of my co-pending application bearing Serial No. 454,419, filed September 7, 1954.

The primary object of the present invention is to provide, in a knockdown sawhorse of the character described comprising a beam and separable leg support units therefor, novel means for detachably and adjustably securing said beam and support units together.

Other objects of the present invention are to provide, in a manner as hereinafter set forth, a metallic knockdown sawhorse of the character set forth which will be of relatively simple, strong, durable construction and which may be produced and sold at reasonable cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawing forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a view in side elevation of a knockdown sawhorse embodying the present invention;

Figure 2 is a view in transverse section, taken substantially on the line 2—2 of Figure 1; and

Figure 3 is a vertical sectional view through one end portion of the device, taken substantially on the line 3—3 of Figure 2.

Referring now to the drawing in detail, it will be seen that the embodiment of the present invention which has been illustrated comprises a horizontal beam 4 of suitable material, preferably wood. Of course the beam 4 may also be of any desired dimensions. Removably mounted on the end portions of the beam 4 is a pair of duplicate support units of suitable metal, preferably aluminum, which are designated generally by reference character 5.

Each unit 5 includes a pair of outwardly and downwardly inclined, divergent legs 6 in the form of channel members the upper end portions of which are spaced for reception of the beam 4 therebetween. Extending between the legs 6 at an intermediate point is a brace 7. Extending between the upper portions of the legs 6, in spaced relation below the upper ends thereof, is a bar 8. As shown to advantage in Figure 3 of the drawing, the members 7 and 8 are of rectangular tubular cross-section. It also will be observed that the members 7 and 8 are laterally inclined inwardly and downwardly. The bars 8 are engageable beneath the beam 4.

Each support unit 5 further includes a substantially

inverted U-shaped stationary or fixed jaw 9 mounted on the upper ends of the legs 6 and secured thereto, as at 10. Lever cams 11 are pivotally mounted, as at 12, on the inner edges of the bars 8 for engagement beneath the beam 4 in the manner shown in Figure 2 of the drawing.

In use, with the lever cams 11 in inoperative position, the support units 5 are slipped on the beam 4, said beam passing between the bars 8 and the jaws 9 of said units. The lever cams 11 are then swung from the dotted line position to the full line position of Figure 2 of the drawing for rigidly clamping the beam 4 to the stationary jaws 9, said lever cams thus constituting what may be considered pivoted jaws cooperable with said jaws 9. In this manner the support units 5 are removably secured in adjusted position on the beam 4. The lever cams 11 bite into the beam 4 for positively securing the units 5 against longitudinal movement thereon. Of course, to disassemble the sawhorse for transporting or storing same, the foregoing procedure is substantially reversed.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A knockdown sawhorse of the character described comprising: a beam, and support units removably mounted on the end portions of said beam, said units comprising pairs of spaced legs for the reception of the beam therebetween, stationary jaws extending between one end portion of said pairs of legs and extending transversely across the top of the beam, and a lever cam pivotally mounted on each pair of legs and engageable beneath the beam for securing the units thereon in conjunction with said jaws.

2. A knockdown sawhorse of the character described comprising: a horizontal beam, pairs of inclined legs on the end portions of said beam, the upper end portions of said pairs of legs being spaced for the reception of the beam therebetween, a stationary jaw mounted on the legs above the beam, a bar extending between said legs below said beam, and a lever cam pivotally mounted on said bar and engageable beneath the beam for clamping same against the jaws.

3. A knockdown sawhorse of the character described comprising: pairs of spaced, inclined supporting legs, a beam mounted between the upper end portions of said pairs of legs, a stationary jaw traversing the pairs of legs above said beam, a brace extending between intermediate portions of the pairs of legs, a bar mounted on each pair of legs beneath the beam, and a manually operable lever cam pivotally mounted on each bar and engageable beneath the beam for coaction with the jaws for removably securing the legs on said beam.

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