Feb. 7, 1956 J. A. LITTLE 2,733,740

SAW BUCKS

Filed March 16, 1954

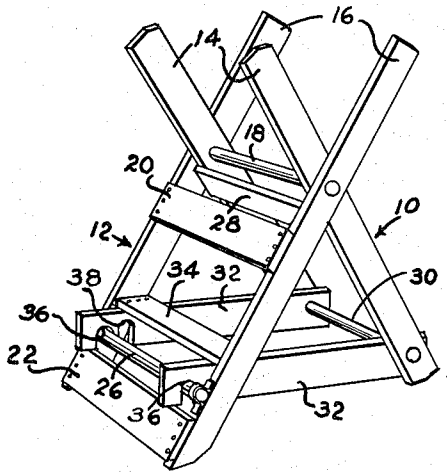


Fig. 1

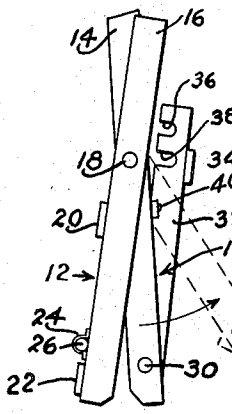


Fig. 2

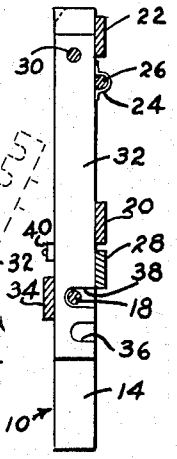


Fig. 5

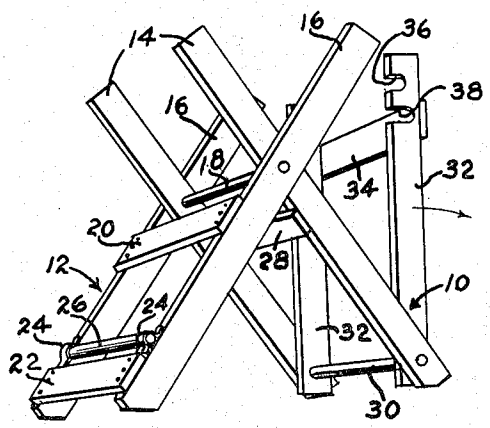


Fig. 3

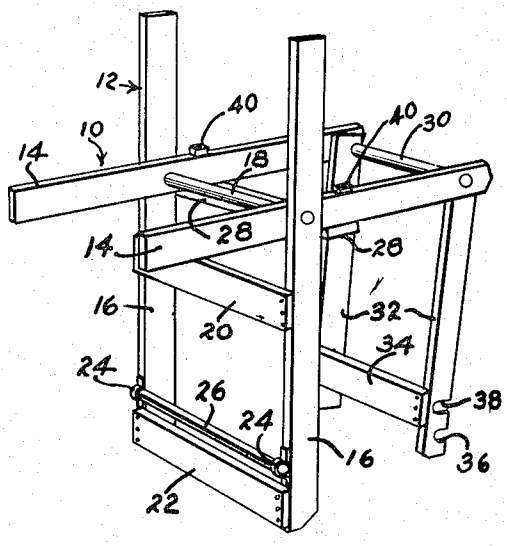


Fig. 4

INVENTOR
JAMES A. LITTLE

BY J. B. Dickman, Jr.
ATTORNEY

United States Patent Office 2,733,740 Patented Feb. 7, 1956

2,733,740

SAW BUCKS

James A. Little, Silver Spring, Md.

Application March 16, 1954, Serial No. 416,581

1 Claim. (Cl. 143—91)

This invention relates to a folding saw buck and has for its primary object to facilitate the transportation and storage of the saw buck.

Another object is to hold the saw buck rigid and firm when in use.

The above and other objects may be attained by employing this invention which embodies among its features pairs of legs mounted to rotate about a common axis from an inoperative collapsed position in which they lie parallel to one another to an operative extended position in which one pair of legs crosses the other pair of legs to define spaced V-shaped work supports, a cross bar carried by one pair of legs in spaced parallel relation to the common axis, and hook rails carried by the other pair of legs for movement about an axis which lies parallel with the common axis into and out of hooked engagement with the cross bar.

Other features include a pivot bar carried by and extending between the legs along the common axis, a pair of recesses opening into the hook rails through certain edges thereof for receiving the cross bar, a second pair of recesses opening into said hook rails in spaced relation to the first pair of recesses for receiving the pivot bar and turn buttons carried by one pair of legs for extension across the hook rails to hold the saw buck folded.

In the drawings:

Fig. 1 is a perspective view showing the saw buck extended and ready for use,

Fig. 2 is a side view of the saw buck partially extended,

Fig. 3 is a perspective view showing another stage of the extension of the saw buck,

Fig. 4 is a perspective view of the saw buck showing a further step in the extension thereof, and

Fig. 5 is a vertical sectional view through the saw buck in folded position.

In the drawings this improved saw buck comprises inner pairs 10 and outer pairs 12 of legs 14 and 16 respectively mounted intermediate their ends on a pivot bar 18 to move about a common axis from an inoperative collapsed position in which they lie parallel to one another to an operative extended position in which the inner pair of legs 10 crosses the outer pair of legs 12 to define spaced V-shaped work supports.

The legs 16 are held in spaced parallel relation by cross cleats 20 and 22, and secured by suitable straps 24 to the legs 16 and extending transversely thereof adjacent the cleat 22 is a cross bar 26 the purpose of which will hereinafter appear.

Carried by the legs 14 and extending thereacross adjacent the pivot bar 18 is a cleat 28, and carried by and extending between the legs 14 remote from the cleat 28 is a pivot rod 30 to which are pivotally connected adjacent the inner sides of the legs 14 hook rails 32 carrying

adjacent their ends remote from the pivot rod a transversely extending cleat 34. Opening through the edges of the hook rails 32 remote from the cleat 34 is a pair of registering recesses 36 which when the saw buck is erected and ready for use receive the cross bar 26 as will be readily understood upon reference to Figure 1. A second pair of registering recesses 38 open through the edges of the hook rails 32 remote from the cleat 34 and in spaced relation to the recesses 36 to receive the pivot bar 18 when the saw buck is collapsed ready for storage as will be readily understood upon reference to Figure 5. Turn buttons 40 are carried by the legs 14 near the pivot bar 18 for releasably engaging the hook rails 32 and legs 16 and holding them in place between the legs 14 when the device is collapsed.

In use assuming the device is collapsed for transportation or storage and that it is desired that it be extended for use the turn buttons 40 are turned to enable the hook rails 32 to move outwardly and the legs 14 and 16 to move about the common axis substantially as shown in Figure 2. Further outward movement of the legs and the hook rails will bring the parts into a position substantially as shown in Figure 3 at which time the device may be rocked about the lower ends of the legs 16 substantially as shown in Figure 4 so that hook rails 32 may be swung clockwise to bring the recessed ends thereof between the legs 16 above the cross bar 26 so that the cross bar 26 may be received in the recesses 36 substantially as shown in Figure 1. The device is returned to collapsed position by reversing the operation and swinging the hook rails 32 counterclockwise to cause the pivot bar 18 to enter the recesses 38 after which the turn buttons 40 are turned to overlie the hook rails 32 and legs 16 to and hold the hook rods 32 against the pivot bar 18 and the legs 16 and hook rods 32 parallel to the legs 14.

What is claimed is:

A folding saw buck comprising pairs of legs mounted to rotate about a common axis from an inoperative collapsed position in which they lie parallel to one another to an operative extended position in which one pair of legs crosses the other pair of legs to define spaced V-shaped work supports, a pivot bar carried by the legs and extending therebetween along the common axis, a cross bar carried by one pair of legs in spaced parallel relation to the pivot bar, hook rails carried by the other pair of legs for movement about an axis spaced from and parallel with the common axis, and said hook rails having a pair of notches opening thereinto for receiving the cross bar and holding the saw buck in operative position, said hook rails having a second pair of notches opening thereinto for receiving the pivot bar, when in inoperative position, and turn buttons carried by one pair of legs for extension over the other pair of legs and the hook rails to hold the saw buck folded.

References Cited in the file of this patent

UNITED STATES PATENTS

170,848	Hall	Dec. 7, 1875
366,017	Moriarty	July 5, 1887
1,287,538	Webster	Dec. 10, 1918

FOREIGN PATENTS

9,674	Great Britain	Apr. 23, 1909
179,470	Great Britain	May 11, 1922