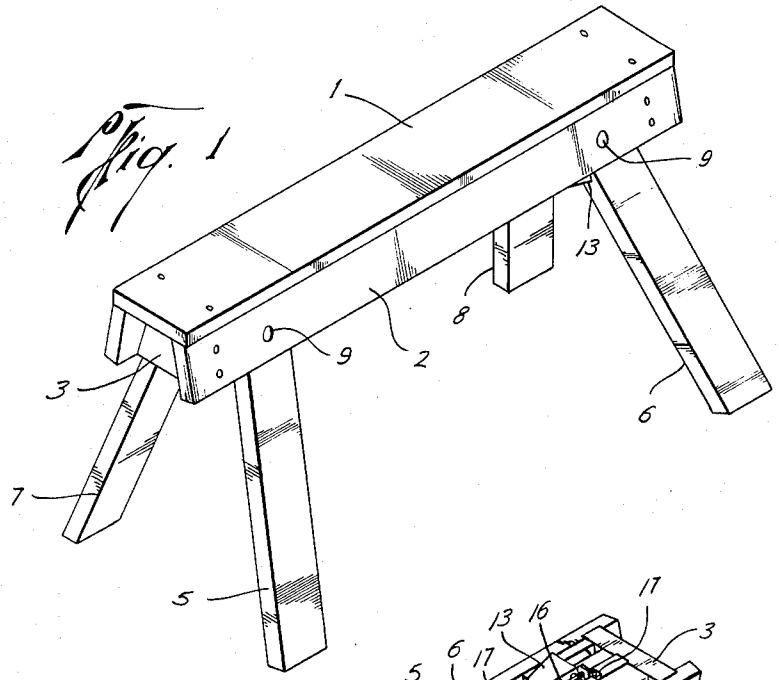
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FOLDING SAWHORSE

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Fig. 1



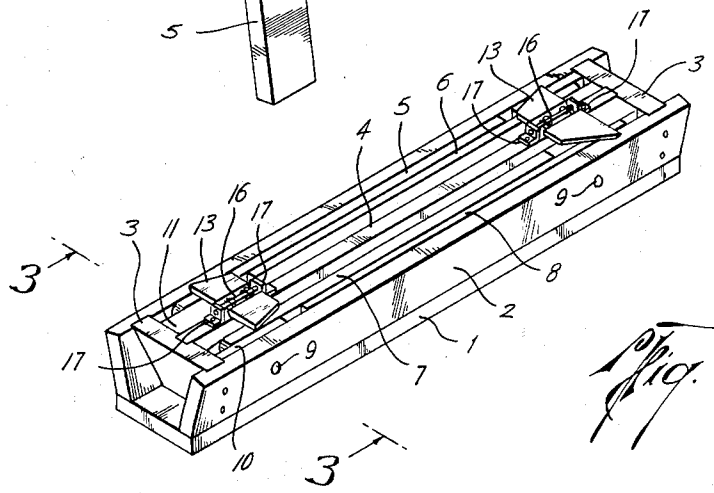


Fig. 2

Homer M. Wilson
INVENTOR.

BY Ransler O. Wyatt
ATTORNEY

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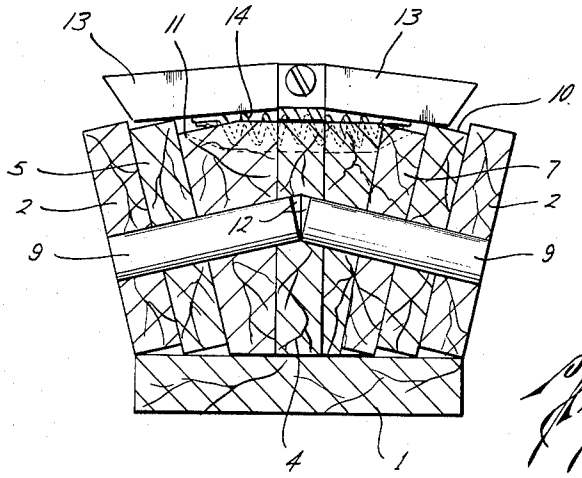


Fig. 3

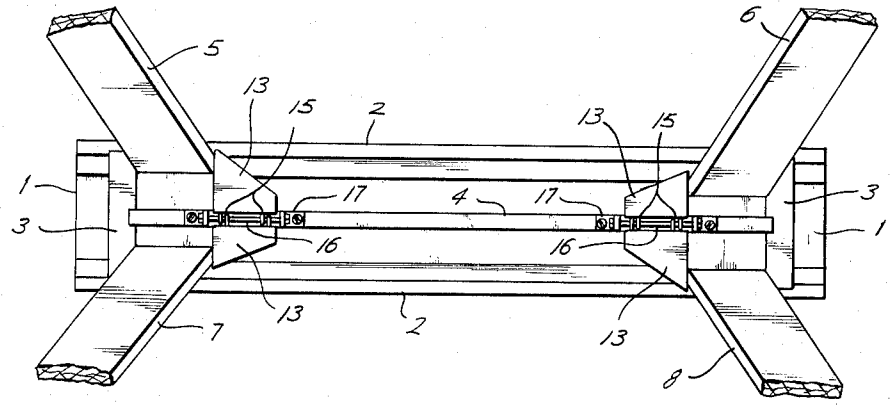


Fig. 4

Homer M. Wilson
INVENTOR.

BY Ramelle O. Wyatt
ATTORNEY

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3,198,286

FOLDING SAWHORSE

Homer M. Wilson, 414 W. 17th, Houston, Tex.

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6 Claims. (Cl. 182—155)

This invention relates to new and useful improvements in a folding sawhorse.

It is an object of this invention to provide a sawhorse for use in construction activities, that is provided with folding legs, movable into one position to provide a sturdy and dependable support and into another position preparatory to transport or storage, providing a compact, easy to store, unit.

It is another object of the invention to provide a folding sawhorse that is a single, integral unit, the legs of which are quickly and easily moved into and out of folding position.

With the above and other objects in view, the invention has relation to certain novel features of construction, operation and arrangement of parts more particularly defined in the following specifications and illustrated in the accompanying drawings, wherein:

FIGURE 1 is a perspective elevational view of the device in one position.

FIGURE 2 is a perspective elevational view of the device in another position.

FIGURE 3 is an end view taken on the line 3—3 of FIGURE 2 and shown partially in cross section, and

FIGURE 4 is a bottom view of the device in the position shown in FIGURE 1.

Referring now more particularly to the drawings, the numeral **1** designates the plate of the sawhorse, having the side members **2, 2** and end members **3, 3**. A center beam **4** is countersunk at each end in the respective end members **3, 3** and is mounted on the under side of the plate **1**. The side members **2, 2** angle outwardly at the desired pitch and the legs **5, 6, 7** and **8** are pivotally mounted on the side members **2, 2**, means for such pivotal mounting being as desired, such as the pins **9, 9**, extending through a bore formed in the side member **2**, the respective legs, and the separators **10, 11**, the bore being at an angle of ninety degrees with respect to the outside surface of the side member **2**, and being formed at the pivotal point of each leg, the bore being indicated as **12**, and extending into the center beam **4**.

Mounted on the center beam adjacent each leg are the locking wings **13, 13** which are provided with suitable tension means, such as the springs **14**, to constantly urge the wings **13** into locking position. Each wing **13** is pivotally mounted onto the center beam **4** by means of the eyebolts **15** through which the bolt **16** extends, the bolt **16** being anchored to the center beam **4** by means of the brackets **17, 17**. The outside longitudinal side margin of the wings **13, 13** tapers outwardly, so that the substantially triangular shaped wing **13** has its wide end abutting the legs.

When the device is in the position shown in FIGURE 2, for transport or storage, it forms a compact easily handled unit. When it is desired to use the sawhorse as such, the legs are moved into extended position, the longitudinal side margin of the legs bearing against the tapered portion of the wing, moving the wing pivotally on the bolt **16**, until the outside margin of the leg passes the wide end of the wing **13**, where the wing will drop back into original position, the wide end of the wing bearing against the leg, locking the leg in position. When each leg is so extended, the device is ready for use. When it is desired to again fold the legs, the wing locking each leg is manually raised, and the leg permitted to pass the wing **13** and move into folded position as shown in FIGURE 2.

While the foregoing is considered a preferred form of the invention, it is by way of illustration only, the broad principle of the invention being defined in the appended claims.

What I claim is:

1. In a folding sawhorse, having a longitudinal plate and side members, legs pivotally mounted on said side members and movable into extended and retracted position, a center beam between side members and extending longitudinally of said plate, wings mounted on said center beam and extending over the margin of said side members, said wings having means for constantly urging same into locking position against said legs when said legs are in extended position and movable out of locking position to move said legs into retracted position.

2. In a folding sawhorse, a longitudinal plate and side members, a center beam mounted on said plate and extending between said side members, legs pivotally mounted between said side members and said center beam, a pin extending at an upwardly directed angle from said side members to said center beam and through said legs, spacers on said pins between said side members and center beam abutting the pivotal ends of said legs positioning said legs in staggered relation and to provide a level support to said plate, locking means on said center beam movable by said legs out of locking position when said legs are moved to extended position and when said legs are in extended position, blocking said legs against pivotal movement.

3. In a folding sawhorse, a plate, side members extending downwardly and outwardly from said plate, end members on said plate between said side members, a center beam extending longitudinally of said plate between said side members and anchored in said end members, a pair of pivotal legs adjacent each end of said plate, spacers between said side members and said center beam for each leg maintaining said legs extended outwardly parallel with the angle of said side walls when in extended position and in position to be selectively retracted longitudinally between said side members in juxtaposition and in staggered relation and to be extended to maintain said plate on a level plane.

4. In a folding sawhorse, a plate, side members extending downwardly and outwardly from said plate, end members on said plate between said side members, a center beam extending longitudinally of said plate between said side members and anchored in said end members, a pair of pivotal legs adjacent each end of said plate, spacers between said side members and said center beam for each leg maintaining said legs in position to be selectively retracted longitudinally between said side members in juxtaposition and to be extended to maintain said plate on a level plane, wing members pivotally mounted on said center beam adjacent said legs, each wing member having means for constantly urging same into locking position and being movable by the respective legs when said legs are pivoted out of retracted position into extended position and locking said legs in extended position.

5. In a folding sawhorse, a rectangular plate, side members mounted on said plate and extending downwardly and outwardly therefrom, a center beam mounted on said plate, said center beam being midway of the side margins of the plate and between said side members, a pair of legs pivotally mounted on said side members and center plate adjacent each end of said plate, spacers between said side members and center beam cooperating with said legs to position said legs to place them in juxtaposition when retracted between said side members and to support the said plate on a level plane when said legs are in extended position, pivot pins extend angularly through said respective side plates, spacers and legs and into said center beam to maintain each leg on a parallel plane with said side members.

6. In a folding sawhorse, a rectangular plate, side members mounted on said plate and extending downwardly and outwardly therefrom, a center beam mounted on said plate midway of the side margins thereof and between said side members, a pair of legs pivotally mounted on said side members and center plate adjacent each end of said plate, spacers between said side members and center beam and pins extending through said side members, legs, spacers and into said center beam to position said legs to place them in juxtaposition when in retracted position between said side members and to support the said plate on a level plane when said legs are in extended position, and locking means mounted on said center beam movable out of locking position by said legs when said legs are moved from retracted to extended position and releasably locking said legs against pivotal movement when said legs are in extended position.

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HARRISON R. MOSELEY, *Primary Examiner.*

FRANK B. SHERRY, CHARLES E. O'CONNELL, REINALDO P. MACHADO, *Examiners.*