Sept. 16, 1947. K. V. WIEROWSKI 2,427,540

COLLAPSIBLE SCAFFOLD HORSE

Filed Dec. 16, 1946

Fig. 1.

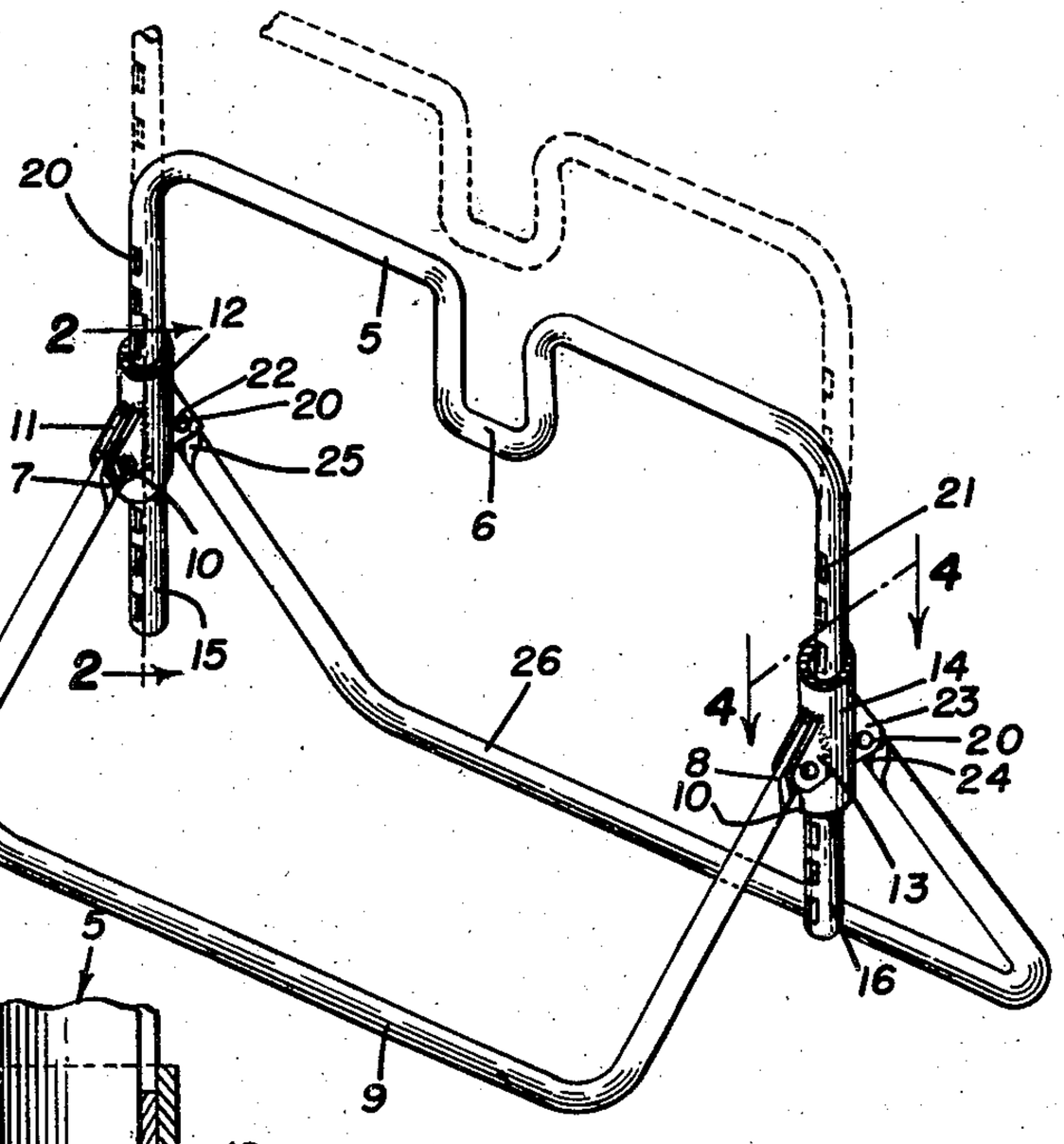


Fig. 2.

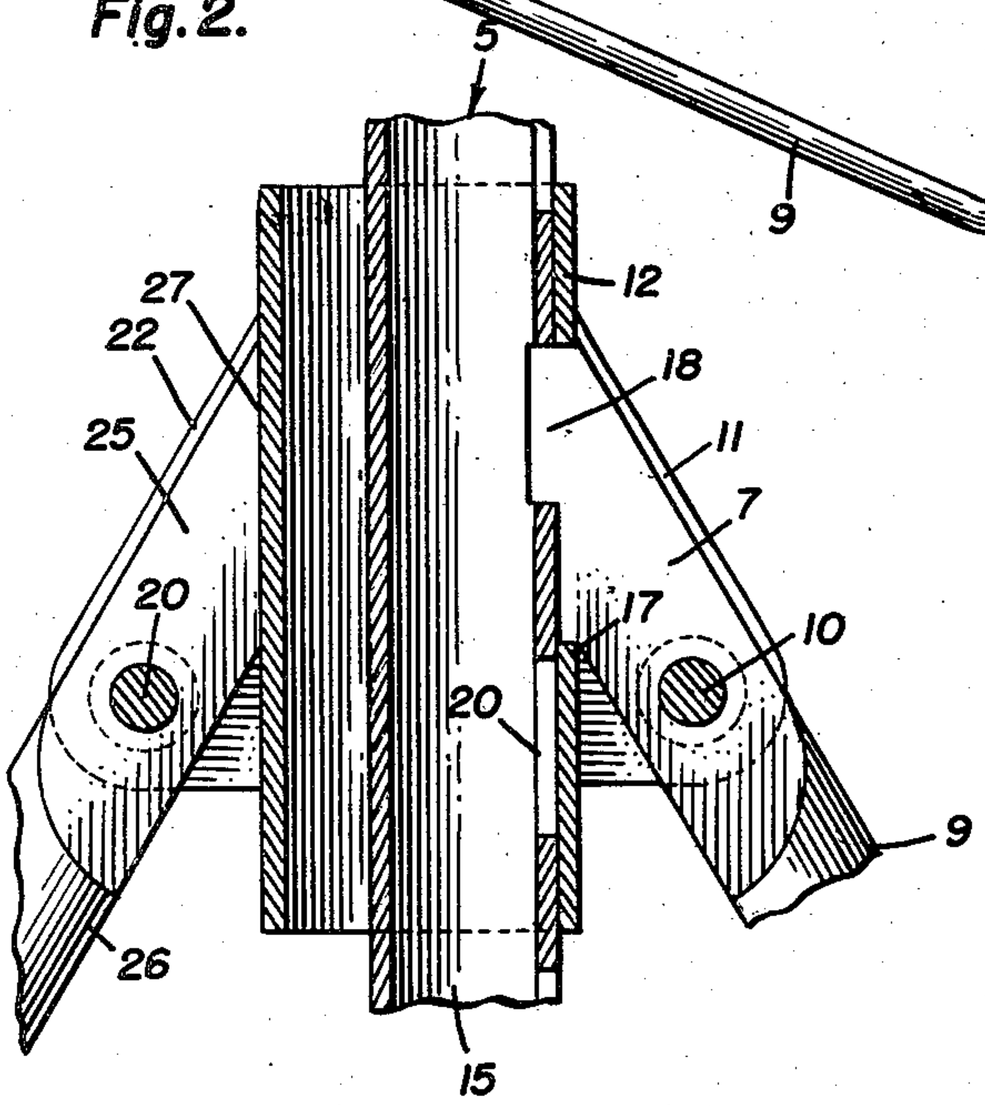


Fig. 3.

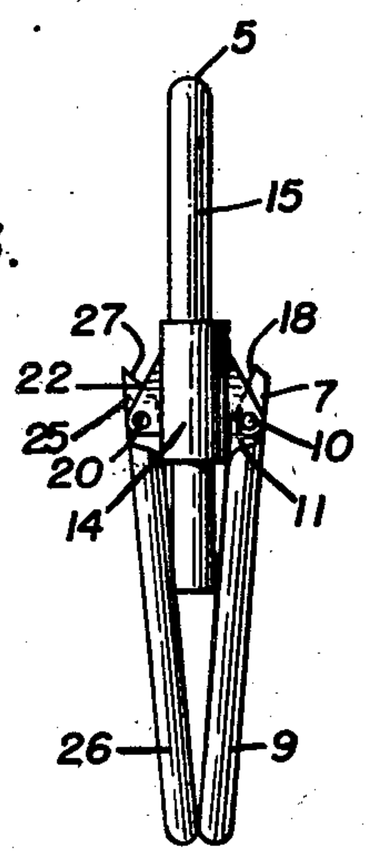
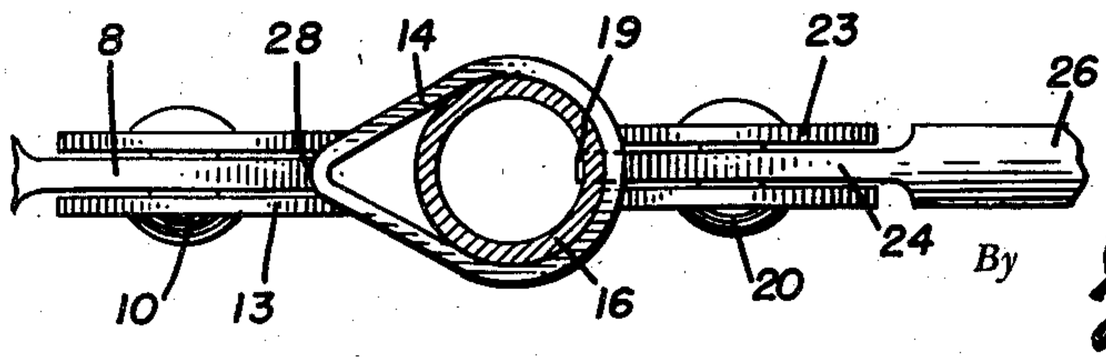


Fig. 4.



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COLLAPSIBLE SCAFFOLD HORSE

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4 Claims. (Cl. 304—6)

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This invention relates to new and useful improvements in scaffolds and more particularly to an adjustable horse for scaffolding adapted for use by carpenters, plasterers, brick layers, painters, and other types of workman whose requirements of work are more or less similar.

The primary feature of this invention is to provide a device of the character referred to which is adjustable vertically in a minimum time thereby changing the elevation of a platform or the like which this device is adapted to support.

Another important feature of this invention is to provide a device that is neatly folded or collapsible into a relatively small article which occupies very little space when stored or shipped.

A further important feature of this invention is to provide a portable scaffold that is light in weight, and can easily and quickly be assembled or disassembled.

A still further feature of this invention is to provide a device of the character referred to that is strong and durable in construction, efficient and reliable in operation, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view of the scaffold horse constructed in accordance with the present invention;

Figure 2 is an enlarged fragmentary sectional view taken on the line 2—2 of Figure 1;

Figure 3 is a side elevational view of the scaffold horse in a folded or collapsed position, and

Figure 4 is an enlarged sectional view taken on the line 4—4 of Figure 1.

Referring now to the drawing in detail, wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention, the numeral 5 represents a substantially inverted U-shaped body preferably circular in cross section and having a U-shaped saddle 6 formed at the center of its upper horizontal portion and extending downwardly therefrom.

The upper flat ends 7 and 8 of a substantially U-shaped forward leg member 9 are respectively pivotally connected by rivets or the like 10 between a pair of spaced parallel horizontal ears 11 extending outwardly from a guide sleeve 12 and a similar pair of spaced parallel horizontal ears 13 extending outwardly from a second guide

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sleeve 14, said guide sleeves being ovate-oblong in cross section whereby said downwardly extending arms 15 and 16 of body 5 are adjustable therein.

Openings or slots 17 are provided in said guide sleeves 12 and 14 between said pairs of parallel ears 11 and 13 through which extends the forwardly projecting vertical edges of dogs 18 and 19 of said ends 7 and 8 of leg 9, said dogs adapted to fit comfortably in a plurality of vertical dog engaging recesses 20 and 21 in the outer periphery of said respective arms 15 and 16 of body 5 whereby said body is adjustable vertically.

Extending outwardly from guide sleeves 12 and 14 respectively and on opposite sides of said sleeves from the pairs of parallel ears 11 and 13 are pairs of spaced parallel horizontal ears 22 and 23 between which the upper flat ends 24 and 25 of a substantially U-shaped rear leg 26 are pivotally connected as at 20.

The upper inclined edges 27 and 28 of said ears 24 and 25 are adapted to bear against said sleeves 12 and 14 respectively when the legs are in a normal position as shown in Figure 1.

To collapse the device the legs 9 and 26 are swung inwardly toward each other against the arms 15 and 16 of the body 5 as shown in Figure 3.

The U-shaped saddle 6 in body 5 is designed specifically to hold one end of a beam for supporting the beam between two horses. By using four horses in this arrangement with a beam between each set of two horses, planks can be laid transversely across these beams to make a complete scaffold flooring adjustable at various heights.

In view of the foregoing description taken in conjunction with the accompanying drawings it is believed that a clear understanding of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

I claim:

1. A horse of the class described comprising an inverted substantially U-shaped body having a downwardly extending saddle at the upper end thereof adapted to receive one end of a beam, a pair of guide sleeves in which the lower ends

of said body are slidable vertically, a pair of U-shaped legs, the upper ends of said legs pivotally connected to said sleeves, and means carried by the legs and adapted to lockably adjust the lower ends of said body in the sleeves.

2. A horse of the class described comprising an inverted substantially U-shaped body having a downwardly extending saddle at the upper end thereof adapted to receive one end of a beam, a pair of guide sleeves in which the lower ends of said body are adjustable vertically, a pair of spaced parallel ears extending outwardly from one side of each of said sleeves, a U-shaped forward leg, the upper ends of said leg pivotally connected between said ears, a second pair of spaced parallel ears extending outwardly from the sleeves at diametrically opposite sides of said sleeves from the first mentioned ears, a U-shaped rear leg, the upper ends of said rear leg pivotally connected between said second pair of spaced parallel ears, and means carried by said legs adapted to lockably adjust the lower ends of said body vertically in said sleeves.

3. A horse of the class described comprising an inverted substantially U-shaped tubular body having a downwardly extending saddle at the center and upper end of said body, said saddle adapted to receive one end of a beam, a pair of guide sleeves in which the lower ends of said body are adjustable vertically, a pair of spaced parallel ears extending outwardly from one side of each

of said sleeves, a U-shaped forward leg, the upper ends of said leg pivotally connected between said pair of ears, outwardly projecting dogs formed at the upper ends of said forward leg, said body having a plurality of vertical recesses in its lower ends adapted for engagement by said dogs whereby said lower ends of said body are adjustable vertically in said sleeves, a second pair of parallel ears extending outwardly from said sleeves at diametrically opposite sides of said sleeves from the first mentioned ears, and a U-shaped rear leg, the upper ends of said rear leg pivotally connected between said second pair of parallel ears.

4. A scaffold horse comprising an inverted substantially U-shaped tubular body having a downwardly extending offset at its upper portion forming a saddle adapted to receive one end of a beam, a pair of ovate-oblong guide sleeves in which the lower ends of the body are slidable vertically, U-shaped front and rear legs pivoted at diametrically opposite sides of said sleeves, the pivoted ends of one of said legs bearing against the sleeve when the said one leg is swung outwardly from the body, said body having vertically spaced openings in its lower ends and said sleeves having an opening selectively registrable with said openings in the body, and an inwardly projecting dog on the pivoted ends of the other of said legs and adapted for engagement in said openings to lock the body in vertically adjusted position.

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