July 19, 1927. 1,636,342

J. A. WHELAN

FOLDING HORSE

Filed June 12, 1926

Fig. 1

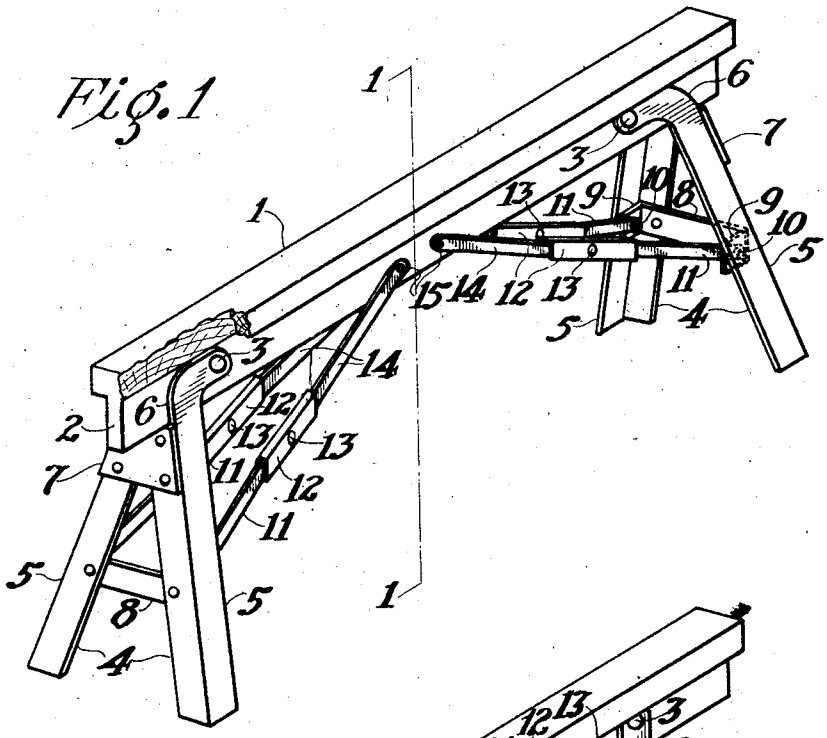


Fig. 2

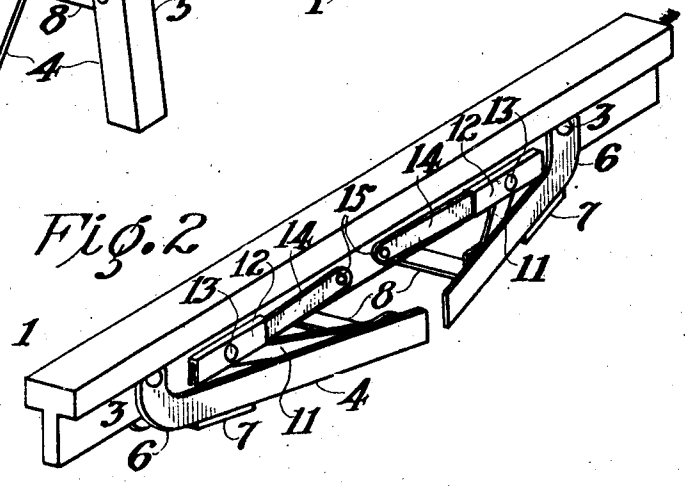
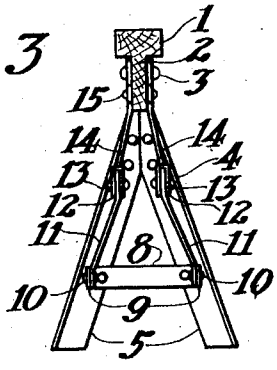


Fig. 3



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UNITED STATES PATENT OFFICE.

JOSEPH A. WHELAN, OF GREENWICH, CONNECTICUT.

FOLDING HORSE.

Application filed June 12, 1926. Serial No. 115,422.

My invention relates to improvements in trestles, and particularly to a mason's trestle, so arranged that it is capable of being readily collapsed into a small space for easy handling.

The object of my invention is to provide a collapsible trestle of the character indicated which is simple in construction and strong and durable in use.

With the above and other objects in view, the invention consists of the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that within the scope of what is claimed, changes in the precise embodiment of the invention shown can be made without departing from the spirit of the invention.

In the drawing:

Figure 1 is a perspective view of the invention in the open position.

Figure 2 is a perspective view of the invention when in the collapsed position.

Figure 3 is a section along the line 1—1 of Figure 1.

Referring now more particularly to the accompanying drawings 1 represents the beam of a trestle of the character described having provided on its under side the flange 2. The two metal angles 5 are positioned so as to form the A-shaped supporting leg 4, each of said metal angles 5 having at their upper extremities the flat projecting fingers 6 turned at an angle slightly less than a right angle and positioned so as to include the flange 2 between them and being rotatably mounted on the bolt or pin 3 extending transversely through the said flange 2 and positioned near each end of the beam 1.

The bracket 7, preferably constructed of metal, is affixed to the angles 5 and positioned on the supporting legs 4 so as to engage the under side of the flange 2 and form a stop or bearing member so as to directly support the weight of the beam 1 and any load superimposed thereon.

The bracket 8 preferably constructed of metal is affixed on the angles 5 and positioned on the lower portion of the supporting legs 4 so as to act as a brace thereof and has provided near each of its ends the two right angularly projecting fingers 9 through which pass the pins 10.

Pivotally mounted on each pin 10 is the link 11, having its upper and lower ends bent so as to be parallel to the beam 1 and finger 9 and having its upper end pivotally mounted on the pin 13, said pin extending transversely through the U-shaped housing 12 near its inner end, said U-shaped housing being parallel to the beam 1 and made a part of the link 14, said link having its upper part bent so as to be parallel to the beam 1 and being pivotally mounted on the pin 15, said pin extending transversely through the flange 2 and positioned inwardly from the pin 3. In the foregoing description only one each of the link 11, U-shaped housing 12, pin 13 and link 14 are described but it is intended that said link 11, U-shaped housing 12, pin 13 and link 14 will form a knee brace when in the open position as shown in Figure 1, but which is capable of being broken upwardly about the pin 13 so as to permit the legs 4 to rotate about the pin 3 and caused to lie in juxtaposition to the beam 1, thereby forming the collapsed position of the invention substantialy as indicated in Figure 2.

For convenience in description and illustration I have shown the invention carried forth as a wooden beam 1 and flange 2 and other parts of metal, however, it is obvious that the invention is not limited in practice to such materials but may also be constructed entirely of metal or in any combination of wood and metal at the option of the person constructing same.

I claim:

In a mason's trestle having a trestle bar, a pair of divergent legs pivoted to the trestle bar and adapted to support said bar and jointed braces adapted to be positioned between said bar and said divergent legs, the combination comprising a cross piece rigidly connected to said legs medially thereof, each end of said cross piece having a right angularly extending finger, the said brace being formed in two sections, one section being pivotally connected at one end to one of the said right angularly extending fingers, and the other end pivotally connected to a U-shaped housing, the other section having one end pivotally connected to said bar and the other end rigidly connected to said U-shaped housing, said sleeve being also positioned in parallel alignment to said bar, for the purposes as described.

In testimony whereof I affix my signature.

JOSEPH A. WHELAN.