No. 802,834. PATENTED OCT. 24, 1905.

W. UPTHEGROVE.

TRESTLE.

APPLICATION FILED JUNE 12, 1905.

Fig. 3.

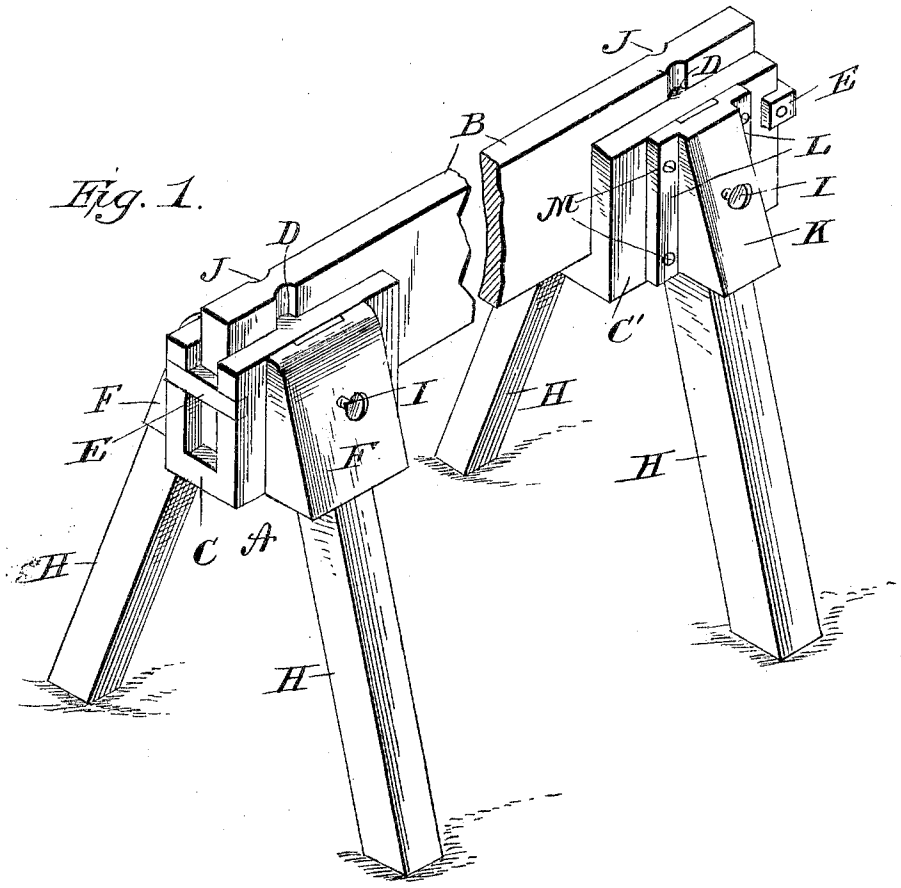
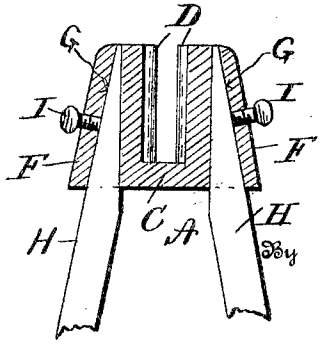



Fig. 1.




Fig. 2




Witnesses
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# UNITED STATES PATENT OFFICE.

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## TRESTLE.

No. 802,834. Specification of Letters Patent. Patented Oct. 24, 1905.

Application filed June 12, 1905. Serial No. 264,971.

*To all whom it may concern:*

Be it known that I, WILLIAM UPTHEGROVE, a citizen of the United States of America, residing at Vernon, in the county of Isabella and State of Michigan, have invented certain new and useful Improvements in Trestles, of which the following is a specification.

This invention relates to trestles, and particularly to a device of this character the brace of which is capable of being disengaged and folded to occupy a comparatively small space.

An object of this invention is to provide novel means for attaching the beam and legs in place in a manner to form tight joints which will prevent wabbling or undue play while the device is in use.

Furthermore, an object of this invention is to provide a novel leg-socket and beam-support which may be formed in a single piece by casting or otherwise, thus producing a device which will be simple in construction and comparativley inexpensive to manufacture.

With the foregoing and other objects in view the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail reference will be had to the accompanying drawings, forming part of this specification, wherein like characters denote corresponding parts in the several views, in which—

Figure 1 is a view in perspective, partly in section, illustrating a trestle embodying the invention. Fig. 2 is a sectional view on the line $x$ $x$ of Fig. 1. Fig. 3 is a perspective view of a casing and socket member embodying a slightly-modified construction.

In the drawings, A denotes the heads, in which the ends of the beam B are seated. Each head comprises an approximately U-shaped housing C, with ribs D vertically disposed and attached to the inner walls of the housing in opposed relation, or preferably so. The side walls of the housing are connected at the ends by a brace E, which is designed for the purpose of engaging the end of the beam B, it being understood that each housing has a brace E and that both ends of the beam are braced thereby.

The outer side walls of the housing carry tapered bosses F, though, if desired, these members may be angular plates secured to the housing in any suitable manner, the only requisite being that the sockets G shall be formed therein for the reception of the upper ends of the legs H. The sockets are preferably tapered from the bottom to the top, and the legs are correspondingly tapered to fit the sockets. The legs are held in the sockets through the medium of thumb-screws I, which may bind frictionally against the surfaces of the legs, or they may be threaded in the legs, according to the desire of the manufacturer or user; but, as this is an immaterial detail, I do not wish to be limited in this respect.

The beam B is preferably slightly wider than the height of the housing, and near each end the sides of the beam are provided with vertical grooves J, forming seats for the ribs D of the housing, so that when said beam is in its proper position in the housing endwise thrust or movement of the beam is obviated, and this is especially true when it is noted that the ends of the beam are in contact with the braces E.

As has been stated, the bosses form the sockets for the legs, or they may be constructed from metal and formed into the desired shape and afterward attached to the housing. As an illustration of this latter construction reference is had to Fig. 3, where I have shown a perspective view of a housing C′ and socket member K, the said socket member having flanges L secured to the housing by the screws M.

Either of the forms will be found satisfactory in practice, and I show both of them in order to illustrate the methods for successfully carrying the invention into practice.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a trestle of the character described, suitable housings, ribs vertically disposed in the housings, and a beam having recesses to receive the ribs, sockets carried by the housings braces at the outer ends of the housings connecting the walls thereof, said braces being adapted to engage the ends of the beam and legs secured in the housings.

2. In a trestle, suitable housings, a beam connecting the housings, braces at the outer ends of the housings connecting the walls

thereof, said braces engaging the ends of the beam when in applied position within the housings, means engaging the beam, and preventing longitudinal motion in either direction, and supporting means secured to the housings.

In testimony whereof I affix my signature, in the presence of two witnesses, this 18th day of May, 1905.

WILLIAM UPTHEGROVE.

Witnesses:
C. N. SUTHERLAND,
GEO. A. GRAVES.