

(No Model.)

H. E. COLLINS.
HAMMOCK SUPPORT.

No. 402,307.

Patented Apr. 30, 1889.

Fig. 6.

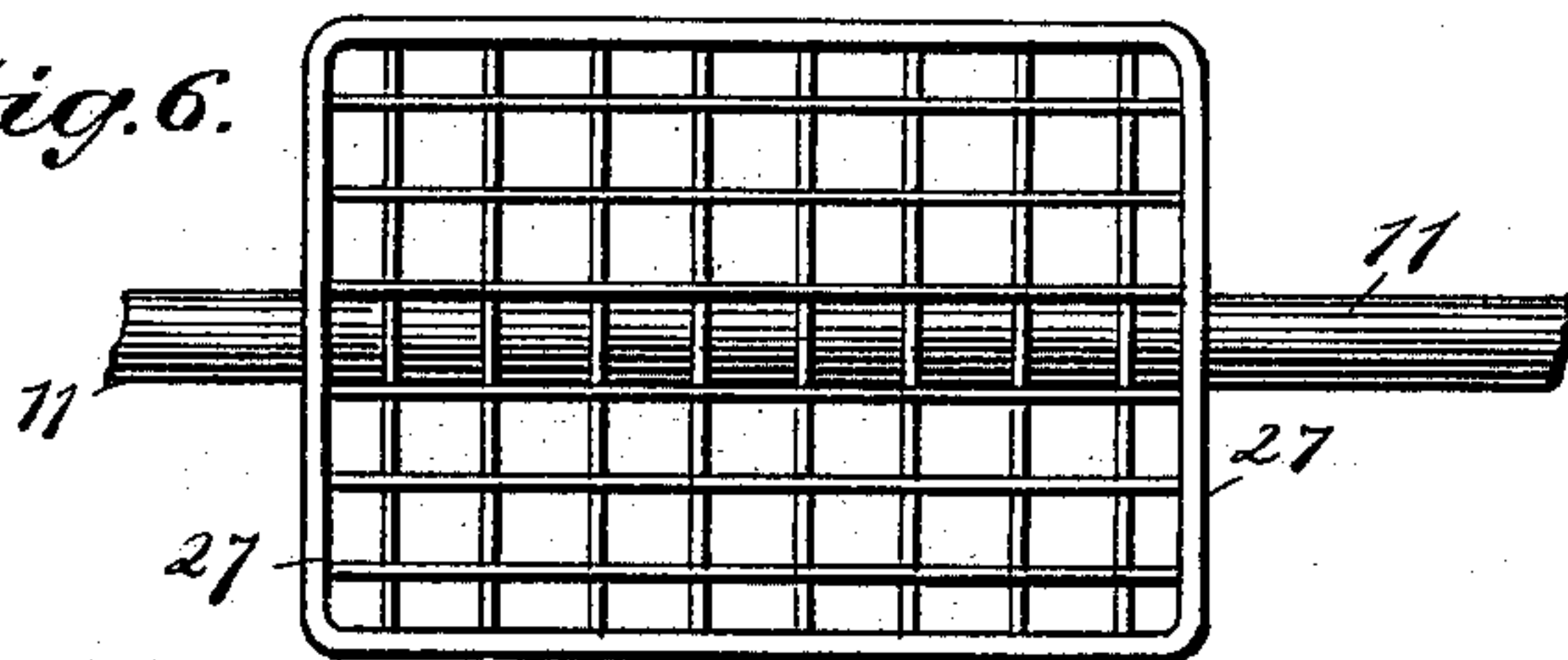


Fig. 1.

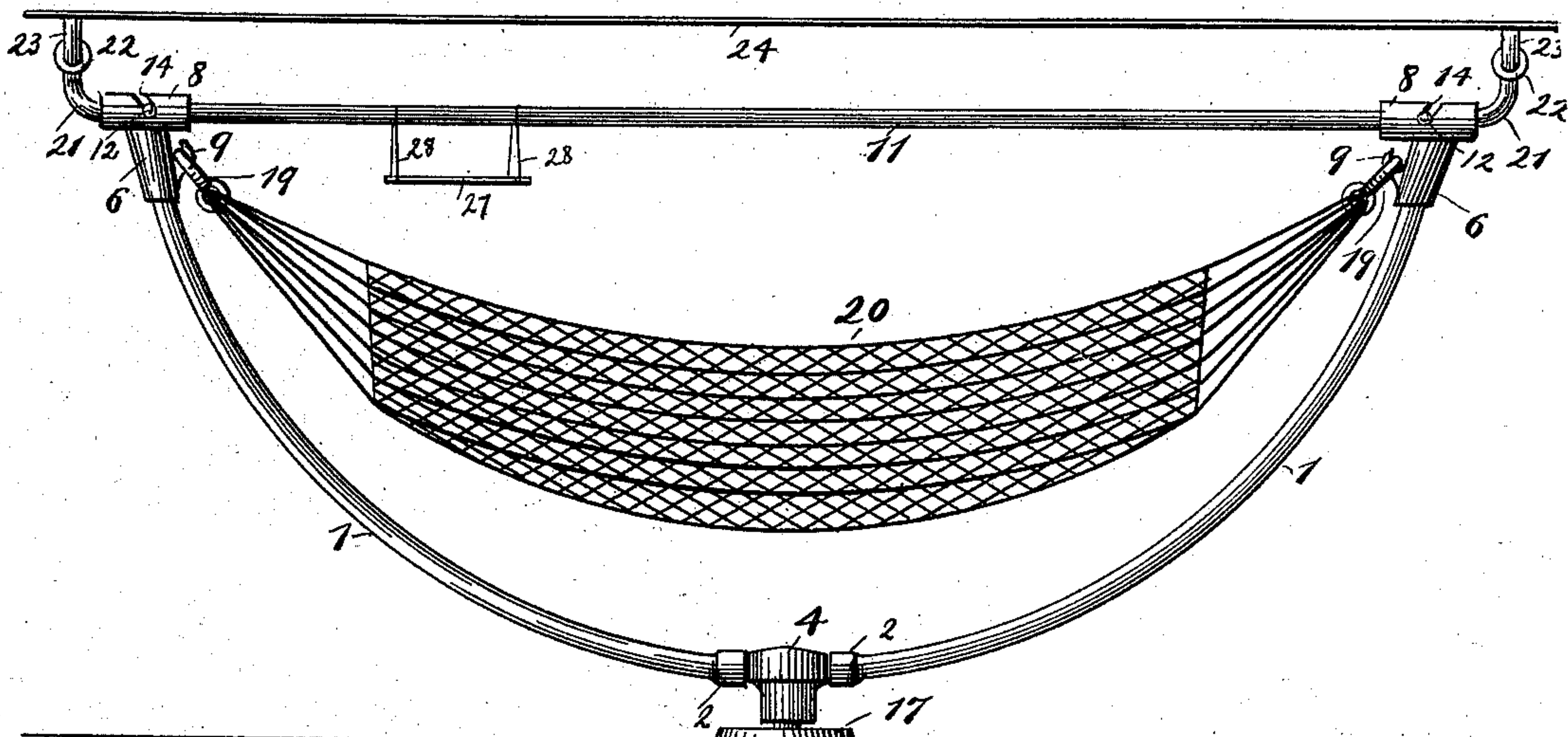


Fig. 2.

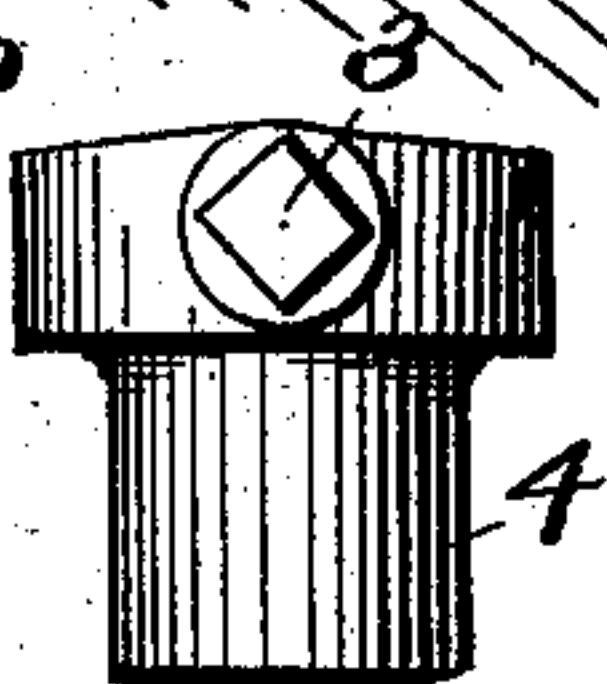
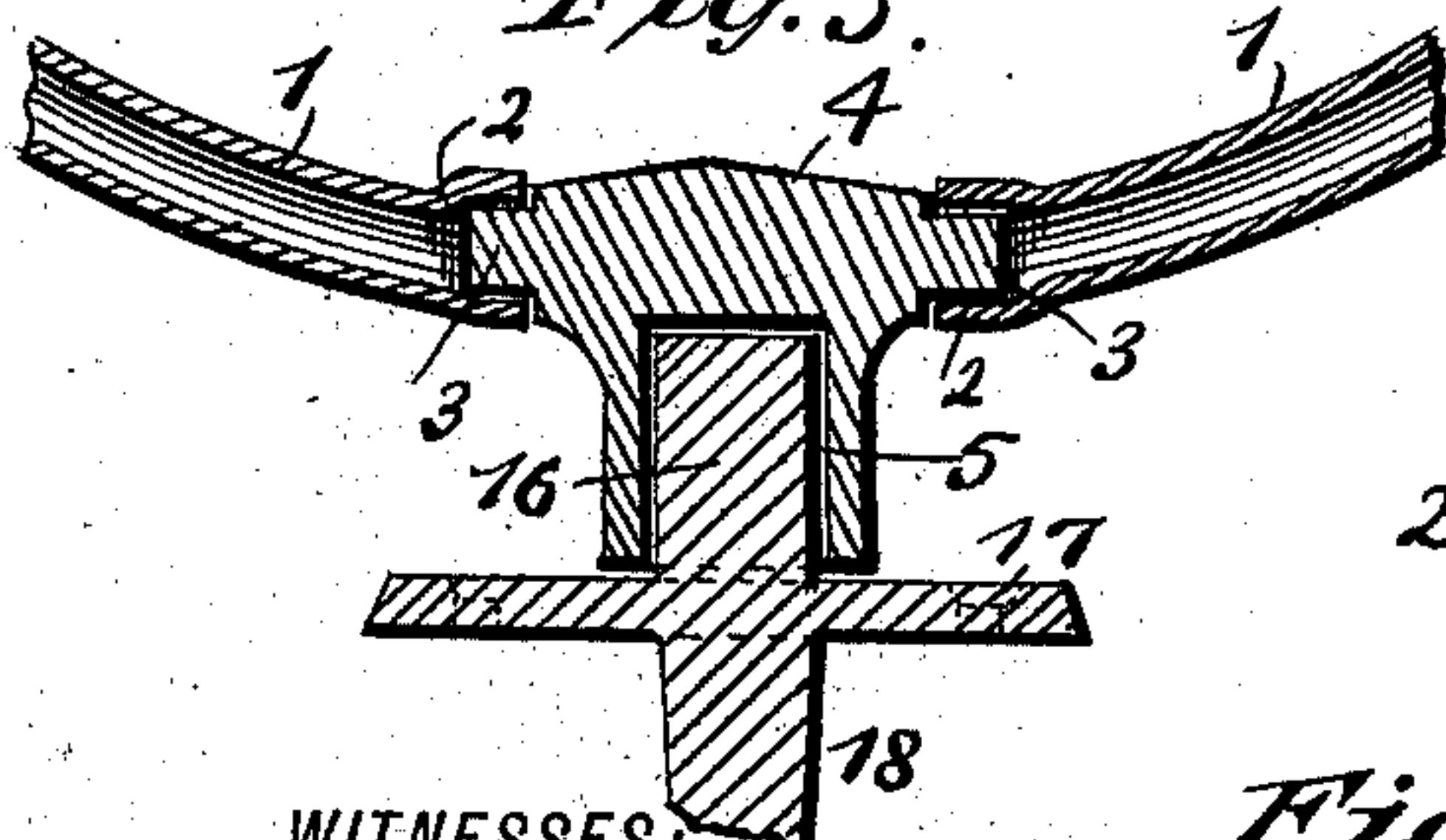


Fig. 3.



WITNESSES:

Phil. C. Dietrich.
E. M. Clark.

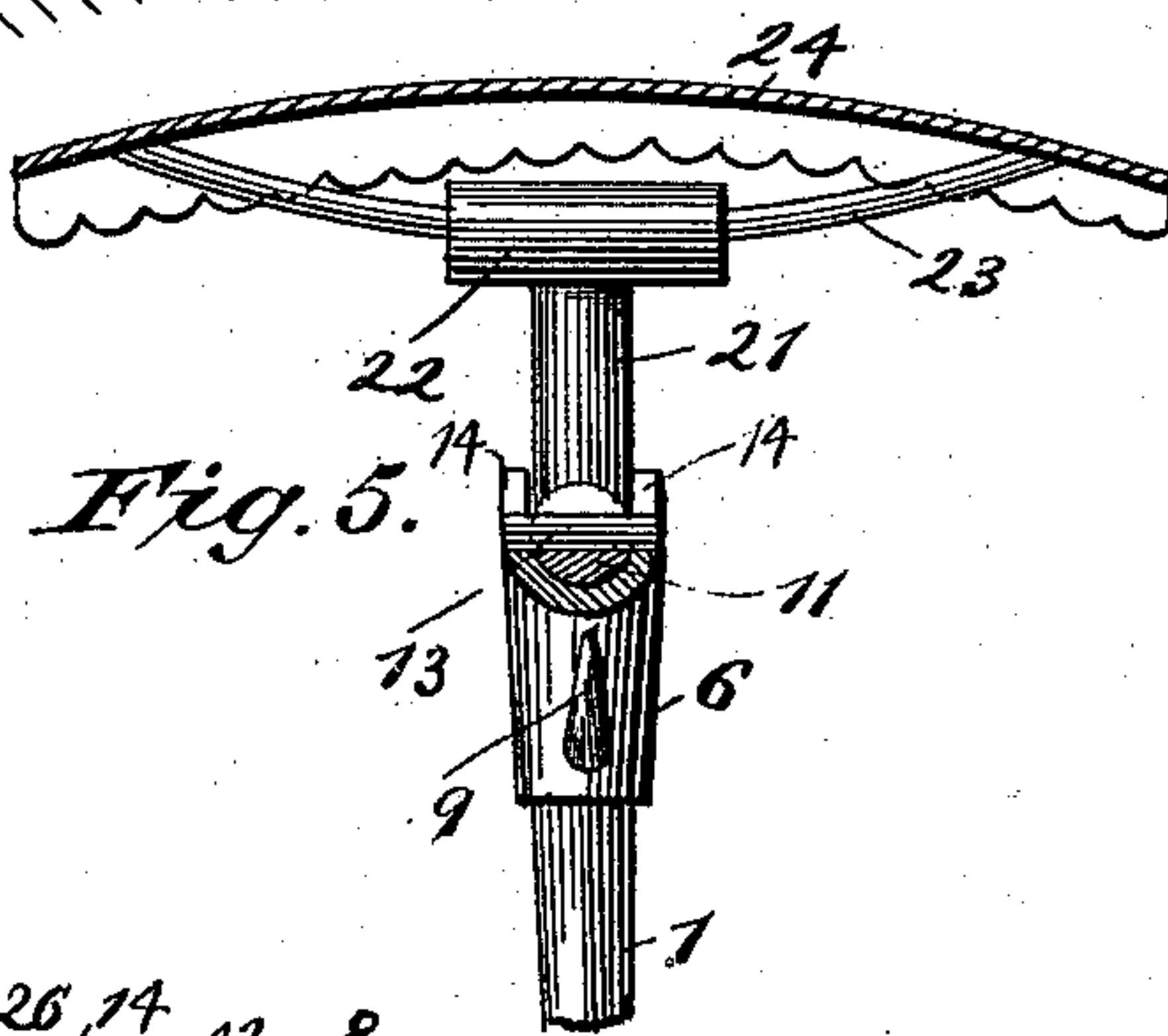
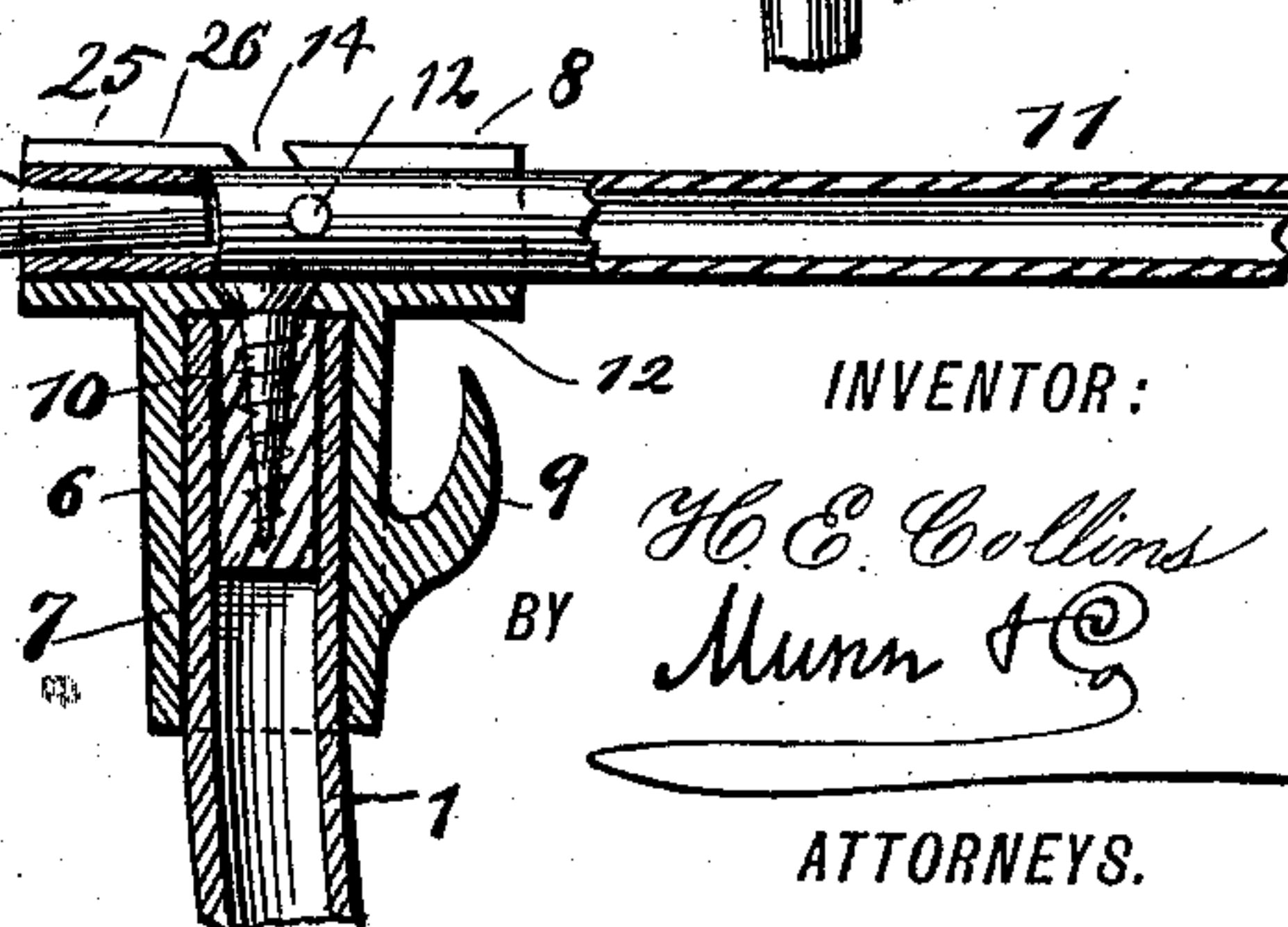


Fig. 5.

Fig. 4.



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UNITED STATES PATENT OFFICE.

HORATIO E. COLLINS, OF DETROIT, MICHIGAN.

HAMMOCK-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 402,307, dated April 30, 1889.

Application filed July 16, 1888. Serial No. 280,036. (No model.)

To all whom it may concern:

Be it known that I, HORATIO E. COLLINS, of Detroit, in the county of Wayne and State of Michigan, have invented a new and Improved Hammock-Support, of which the following is a full, clear, and exact description.

This invention relates to an improvement in hammock-supports, and has for its object to provide a hammock-support which may be readily mounted in place and horizontally adjusted when in position, and from which the hammock and an awning may be readily detached.

The invention consists in a hammock-support constructed and arranged as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 illustrates a hammock-support constructed in accordance with this invention mounted in position for use, with a hammock and awning attached. Fig. 2 represents details of the central support for the frame. Fig. 3 is a view in vertical section, and partly broken away, of the central support for the frame. Fig. 4 is a view in vertical section, with parts broken away, of one of the upper ends of the hammock-frame. Fig. 5 is an end view thereof in elevation, with parts broken away and in section; and Fig. 6 is a detail view of an adjustable shelf on the frame, looking from beneath.

In the construction of this invention a centrally-pivoted frame is provided, consisting of the curved arms 1, preferably formed of gas-pipe, and connected at their lower ends by square socket 2 to correspondingly-shaped projections 3 on a casting, 4, having a socket, 5.

The upper ends of the curved arms 1 project into vertical sleeves 6, the upper end of the sleeves 6 being formed integral with a horizontal U-shaped sleeve or socket, 8. The sleeve is provided with a hammock-hook, 9. The sleeves 6 are secured to arms 1 by screws 10, passing through the bottom of sockets 8 into wooden plugs 7 in the ends of the arms 1.

The arms 1 are braced by means of a tubular rod, 11, having its ends resting in the sockets 8, and secured thereto by means of the

projecting ends 12 of a pin, 13, extending through the rod 11 and resting in the inclined slots 14 in the sides of sockets 8. The hammock-frame thus described is centrally pivoted by means of a pivot-pin, 16, projecting from a plate, 17, having a downwardly-projecting spike, 18, which may be driven into the ground or other suitable foundation, the pin 16 projecting into the socket 5 of casting 4. With this construction the hammock may extend in any horizontal direction desired by turning the hammock frame or support on its pivot. The pivot-pin may be located wherever desired, the spike 18, which is of a size to afford a strong support, being readily driven into the ground and permitted to remain there, while the frame or support may be removed and stowed away when not required for use. The plate 17 also affords a support to prevent the spike 18 from tipping over or sagging in the ground. Hammock-cords are not required, as the rings 19 of the hammock 20 may be readily attached to the hammock-hooks 9.

In order to readily attach and detach an awning, T-shaped brackets 21 are employed, having a sleeve, 22, through which pass the curved supporting-rods 23 of an awning, 24, the T-shaped brackets being attached to sockets 8 by their bent tapering ends 25 lying therein and engaging the open ends 26 of the brace-rod 11; thereby forming a joint which prevents the brackets 21 from accidentally turning. The brackets 21 may be tilted, so as to incline the awning over one side of the hammock or the other, and will be held by friction. In order to provide a rest for a hat, book, or papers, &c., a shelf, 27, is provided, consisting of an open-work frame, as here shown, or of other suitable shape, suspended from rod 11 by hangers 28, so as to be slid thereon, and thus permitted to be adjusted to any position on the rod above the hammock desired.

By means of this invention it will be seen that a hammock frame or support is provided which can be readily set up in any spot desired and removed, can be adjusted to any horizontal position preferred with regard to sun, breezes, or outlook, may be readily taken apart and packed up, and will be very serviceable.

It is obvious that the parts may be connected together and varied in form otherwise than in the specific manner described, and hence I do not desire to confine myself to the specific construction set forth.

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

1. The combination, with the curved frame having a central vertical socket on its lower side and hammock-attaching devices at its upper ends, of the spike 18, having a supporting-plate, 17, and a pivot-pin, 16, entering said socket, substantially as set forth.

2. The combination, with the casting 4, having opposite side projections, 3, and a vertical intermediate socket, 5, of the curved arms 1, having sockets at their lower ends receiving said projections, hammock-attaching devices at their upper ends, a brace-rod connecting said upper ends, and a pivot entering said socket, substantially as set forth.

3. The combination, with the hammock-frame having socket-pieces on its ends open on their upper sides and having slots extending from their top edges downward, of a brace-rod having its ends inserted into the socket-pieces from above and provided with side projections entering said slots at the same time.

4. The combination, with the hammock having sleeves on its upper ends, provided with hammock-supporting hooks on their adjacent

sides, and horizontal socket-pieces open on their upper sides and having transverse slots through their sides, of the brace-rod inserted at its ends into said sockets from above, and having transverse projections entering said slots at the same time, substantially as set forth.

5. The combination, with the hammock-frame, of the sleeves 6 on the upper ends of said frame, formed with horizontally-aligned socket-pieces 8 on the upper ends, having transverse slots 14, the tubular brace-rod 11, resting at its ends in said socket-pieces and provided with transverse projections 12, resting on said slots, the brackets 21, having upwardly-projecting ends entering the opposite ends of the tubular brace-rod within the socket-pieces, and the canopy-frame secured to said brackets, substantially as set forth.

6. The combination, with the canopy-frame and the transverse curved rods 23 at the ends thereof, of the angular supporting-brackets 21, having transverse sleeves 22 on the upper ends of their vertical members, through which the said rods pass, the horizontal members or arms of the brackets forming their attaching means, substantially as set forth.

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Witnesses:

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