

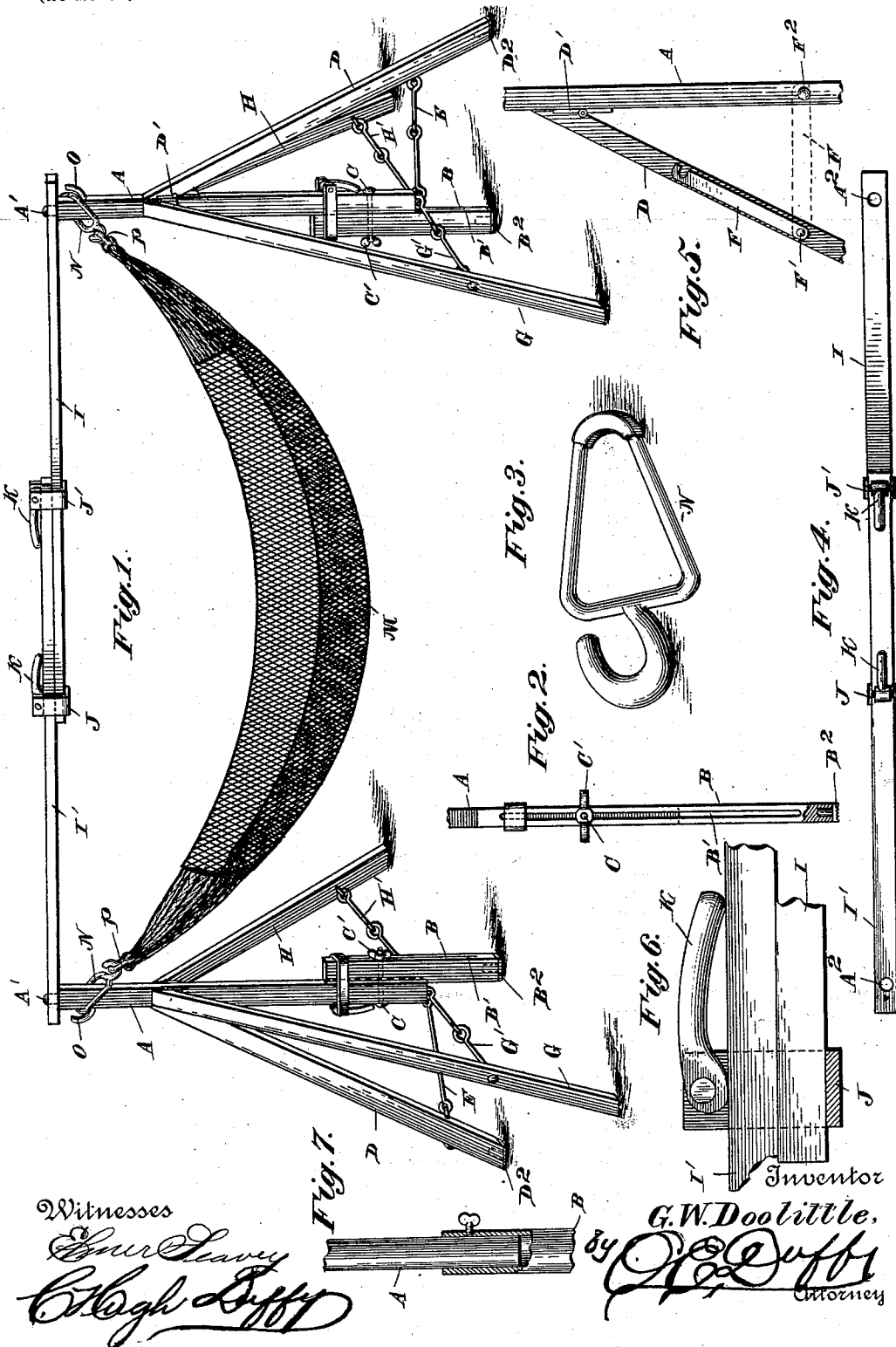
No. 648,355.

Patented Apr. 24, 1900.

G. W. DOOLITTLE.
PORTABLE HAMMOCK STAND.

(Application filed Aug. 12, 1899.)

(No Model.)



UNITED STATES PATENT OFFICE.

GEORGE W. DOOLITTLE, OF KANSAS CITY, MISSOURI, ASSIGNOR TO BYRD H. GARRIGUES, OF SAME PLACE.

PORTABLE HAMMOCK-STAND.

SPECIFICATION forming part of Letters Patent No. 648,355, dated April 24, 1900.

Application filed August 12, 1899. Serial No. 727,068. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. DOOLITTLE, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Portable Hammock-Stands; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to stands or supports for hammocks, and especially to that class of such stands or supports which are portable and adapted to be folded or collapsed, so as to occupy but a very small space, thereby economizing in storage-room and freight or express charges.

The object of the invention is to provide a portable stand or support for hammocks composed of a minimum number of cheap, strong, light, and durable parts adapted to be erected or dismantled and folded in a very short space of time and with a minimum of labor.

With this object in view my invention consists in the improved construction, arrangement, and combination of parts comprising a portable hammock-stand, as hereinafter fully described, and afterward specifically pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view illustrating a portable hammock-stand constructed in accordance with my invention, with a hammock suspended thereon ready for use. Fig. 2 is a detail view illustrating in elevation the lower end of one of the uprights and its extension-piece. Fig. 3 is a detail view illustrating one of the suspending ring-hooks detached. Fig. 4 is a top plan view of the stretcher or top rod detached. Fig. 5 is a detail view, in side elevation, of the lower part of one of the uprights and its end brace in supporting position, showing also the connecting-hook raised and folded against the brace. Fig. 6 is a detail view, on an enlarged scale, of one of the securing-clamps, one side being cut away. Fig. 7 is a detail view of a modified form of upright, partly in section and broken away.

Like letters of reference mark the same parts wherever they appear in the several figures of the drawings.

Referring to the drawings by letters, A indicates an upright, of which two are provided, one at each end of the stand, each being adjustable in length to increase its height and adjust it to uneven floors or surfaces by means of an extension B, slidably secured to its lower end by means of a bolt C and thumb-nut C', the bolt being passed through a hole in the upright and a longitudinal slot B' in the extension B. To prevent it slipping on the floor, the extension is provided with a rubber pad or foot B².

D indicates an end brace hinged at D' to the upright A, so as to permit of its oscillation away from the upright in a vertical longitudinal plane. This movement of the brace D is limited by a linked or flexible connection E, connecting it with the lower portion of upright A, as in Fig. 1, or a hook F, stamped out of sheet metal, pivotally connected on the side of the brace D by a pin F' and engaging a similar pin F² in the upright A. The brace D is provided with a rubber pad or foot D² to hold it against slipping on the floor.

G and H indicate opposite side braces hinged at their upper ends to the sides of upright A and connected thereto, near their lower ends, by linked or flexible connections G' and H', similar to connections E before described, or by hooks similar to hooks F, as before described.

At the upper end of upright A is a tenon A', adapted to pass through a mortise A² in the end of a connecting or stretching pole, composed of two sections I I', slidably connected together by bands J J' for the purpose of adjustment of length and held at any adjustment by means of a cam thumb-lever K, pivoted in the bands. The journal of lever K is out of center, (cam-like,) so that when the lever is turned one way the poles are perfectly free to slide without resistance, and when the lever is turned in the opposite direction the poles are bound together and locked.

By means of the construction described, the upright, its extension, the end brace, and the side brace being duplicated at each end and similarly lettered, a rigid frame is provided, which can be adjusted in length as described and which may be collapsed and folded into a very small space when not in use.

To support the hammock, as shown at M, I provide ring-hooks N N, preferably pear-shaped, terminating in hooks at the wide end, as shown in Fig. 3, and thickened at the narrow ends for wearing, which are slipped over the ends of the uprights A prior to placing the stretching-rod upon them and rested upon hooks O in the outside of the uprights near their upper ends. The rings P at the ends of the hammock are engaged in the hooks on ring-hooks N, whereby the hammock is suspended in a manner to obviate all tendency to twist or turn the uprights in swinging the hammock, as would be the case if the hammock were swung upon hooks rigidly secured in the uprights.

The end brace performs two important offices—first as an end brace and an equal support with the other legs, and, second, its oblique position when connected by a stiff rod or hook to the lower end of upright A gives it an increased power from the weight applied in the hammock, anchoring the end brace firmly to the ground or floor and maintaining the upright in a rigid position.

The advantages attending the use of my invention are numerous and will be readily apparent from the foregoing, and while I have specifically described the construction of the various parts it is obvious that slight changes might be made in these constructions by the ordinary mechanic without departing from the spirit and scope of my invention.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a portable hammock-stand, the combination with two adjustable supporting-uprights, each comprising an upper and lower sliding member an adjustable rod connecting said uprights, end and side braces hinged near the top of the adjustable supporting-uprights at their upper ends, and hooks pivoted to the end and side braces near their lower ends, and detachably connecting said braces to the top sliding member of the adjustable supporting-upright at its lower end, substantially as described.

2. In a portable hammock-stand the combination with adjustable supporting-uprights, each comprising an upper and lower sliding member an adjustable rod connecting said uprights at the upper ends, end and side braces hinged to said uprights at their upper ends, and hooks pivoted to the end and side braces near their lower ends, and detachably connecting said braces to the top sliding member of the adjustable supporting-upright at its lower end, said upright being provided near its upper end with means for suspending the hammock, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. DOOLITTLE.

Witnesses:

P. G. OWNBY,
B. H. GARRIGUES.