

(No Model.)

J. B. PATTERSON
HAMMOCK.

No. 451,186.

Patented Apr. 28, 1891.

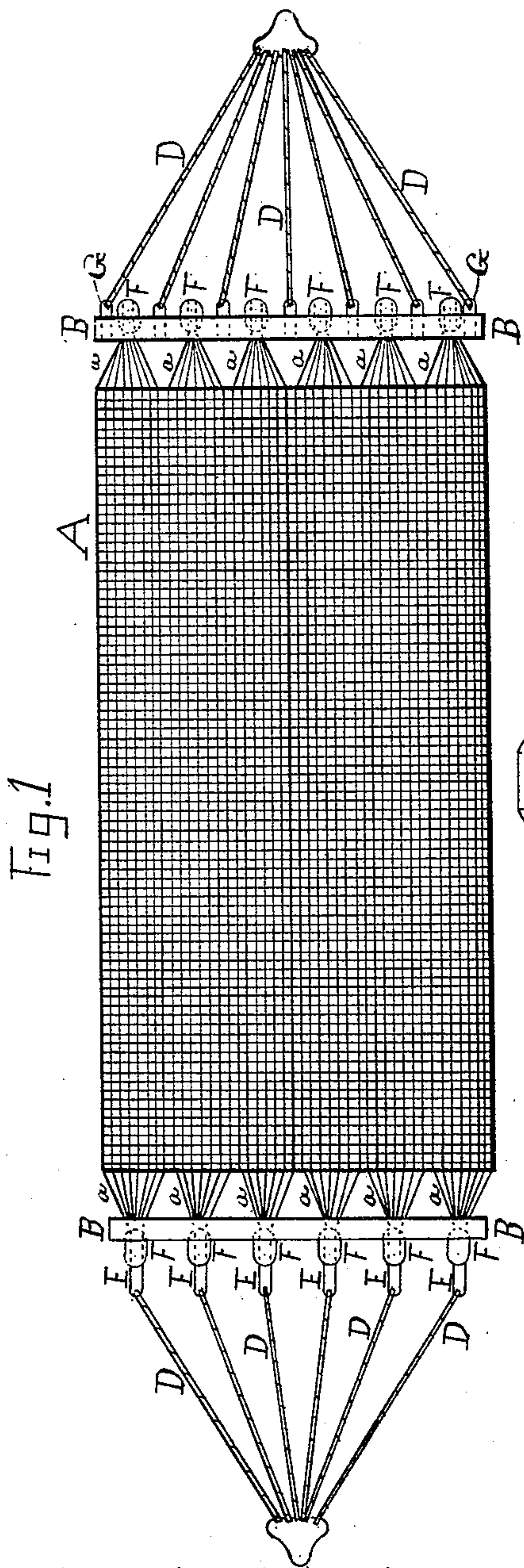


Fig. 1

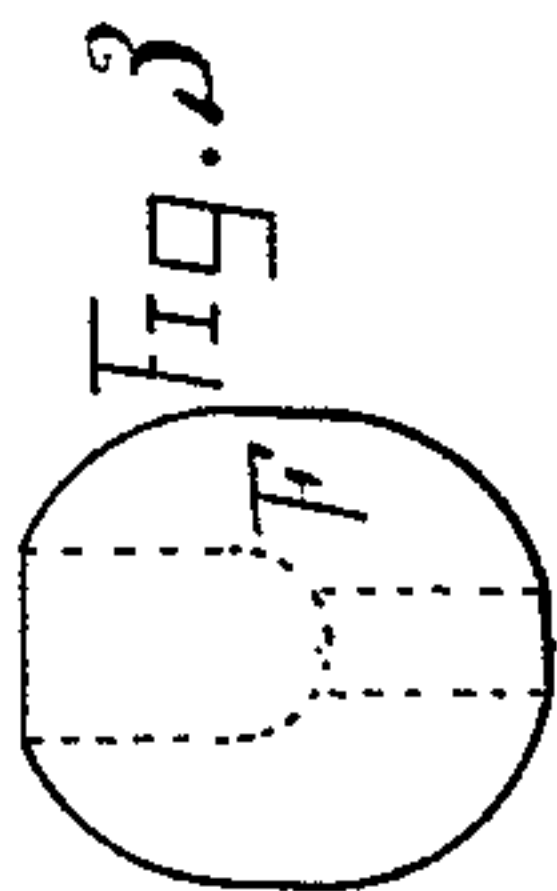


Fig. 3

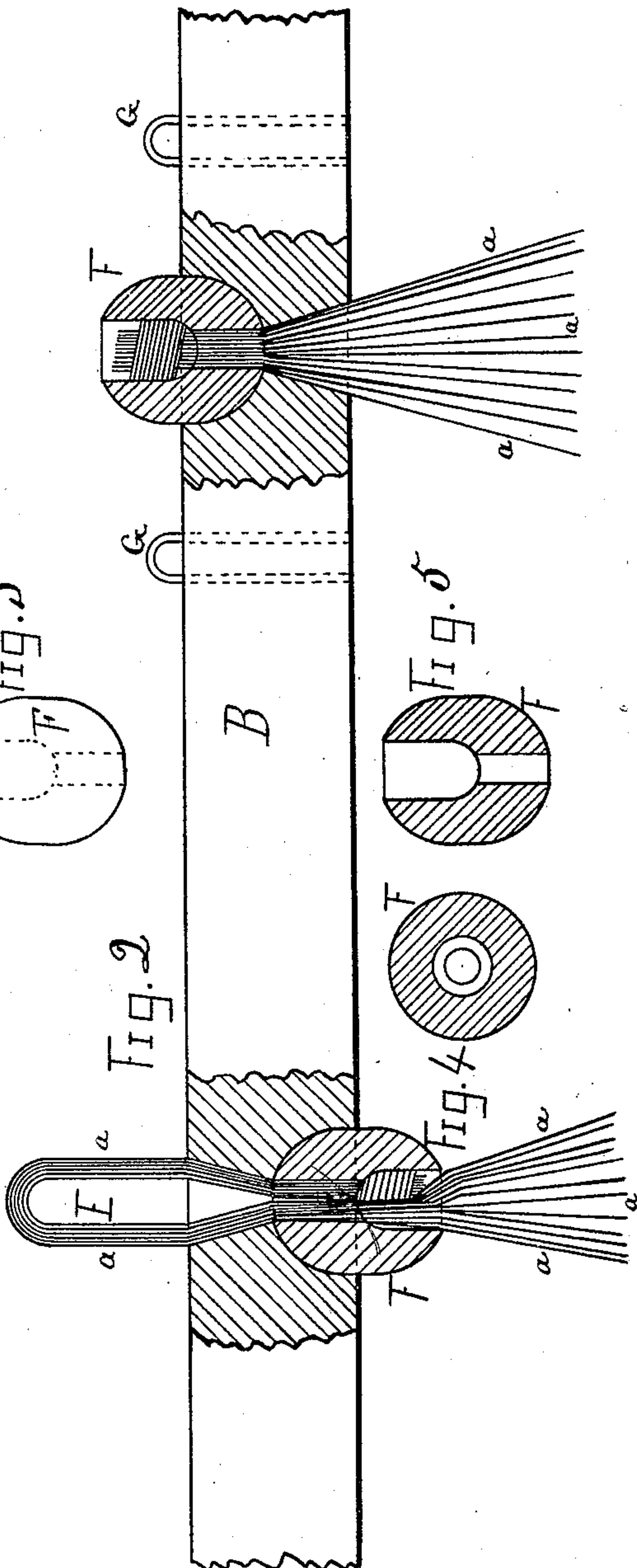


Fig. 2

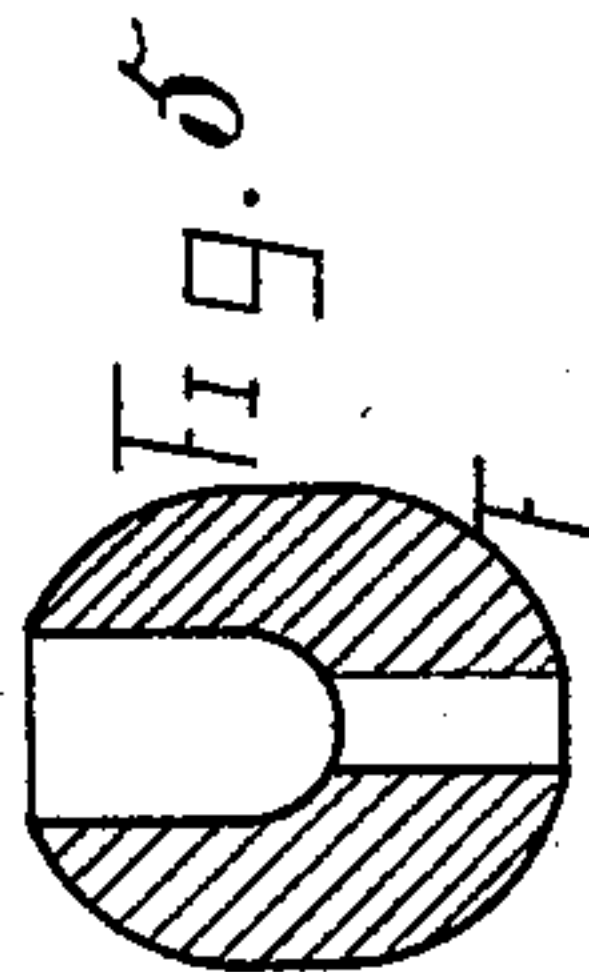


Fig. 4

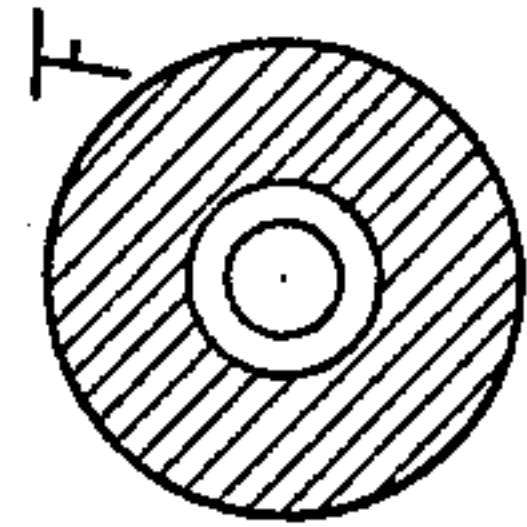


Fig. 5

WITNESSES.

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HAMMOCK.

SPECIFICATION forming part of Letters Patent No. 451,186, dated April 28, 1891.

Application filed November 17, 1890. Serial No. 371,732. (No model.)

To all whom it may concern:

Be it known that I, JAMES B. PATTERSON, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Hammocks, of which the following is a specification.

My invention relates to woven hammocks and to those parts of the hammock known as the "suspending cords, loops, and stretchers;" and it consists in forming suspension-loops at the ends of the hammock by passing unwoven portions of the warp-threads through counterbored wooden balls; in providing the hammock with a stretcher having a series of counterbored holes to contain the counterbored wooden balls, through which balls the unwoven portions of the warp-threads pass, forming suspension-loops, and in providing a stretcher which has counterbored holes to contain the counterbored wooden balls through which the unwoven portions of the warp-threads pass with a series of staples to which are connected the suspending-cords of the hammock, as is illustrated in the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a top view of a hammock, showing my improvements. Fig. 2 is a section of the stretcher-bar, showing one of the wooden balls in section with a loop and one of the wooden balls in section without a loop, and showing two of the staples for connecting the suspending-cords. Fig. 3 is a view of one of the wooden balls. Fig. 4 is a cross-section of one of the wooden balls. Fig. 5 is a vertical section of one of the wooden balls.

Similar letters of reference designate corresponding parts in all the figures.

A represents the hammock, which may be woven plain, as shown in the drawings, or cross-woven and ornamentally striped; B, the stretcher, which may be of hard or soft wood; D, the suspending-cords; E, the loop; F, the wooden ball, which should be of hard wood; G, the staple, made of wire; *a a*, the warp-threads.

The balls F are fastened by means of a knot on the end of sections of the warp-threads *a a*, as shown in Fig. 2. Those on the left

hand are made to form a loop E, and the knot on the end is pulled into the counterbore of the ball F. To the loops E the suspending-cords D are fastened, as shown on the left of Fig. 1. Those on the right are also fastened by a knot; but no loop is made, and the cords D are fastened to the staples G, which should be driven through the stretcher and clinched on the under side. When no loops are made on the warp-threads, the cords D are fastened to the staples G, as shown on the right of Figs. 1 and 2.

The warp-threads may be divided into six sections, as shown in Fig. 1, or they may be divided into more or less numbers of sections. A ball F is used on each section, and the stretcher B is divided and counterbored for the number of divisions of the warp-threads.

It is obvious that metal balls may be used in place of wooden balls, and a ball made of porcelain or glass may be used, the hole being cast in the ball, as shown in section, Fig. 5.

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

1. A woven hammock having warp-threads extended beyond the woven ends thereof and divided into groups, in combination with a series of counterbored balls through which said groups of warp-threads are passed, said threads being knotted at their ends, substantially as described.

2. A woven hammock having warp-threads extended beyond the woven ends thereof and divided into groups, in combination with a series of counterbored balls and a stretcher having a series of counterbored holes, as shown and described.

3. A woven hammock having warp-threads extended beyond the woven ends thereof, divided into groups, in combination with a series of counterbored balls, a stretcher having a series of counterbored holes, and a series of staples, as shown, described, and for the purpose specified.

JAMES B. PATTERSON.

Witnesses:

JOHN SHINN,
WM. BUCKLEY.