

(No Model.)

A. S. COMSTOCK.
TENT POLE.

No. 516,078.

Patented Mar. 6, 1894.

Fig. 1.

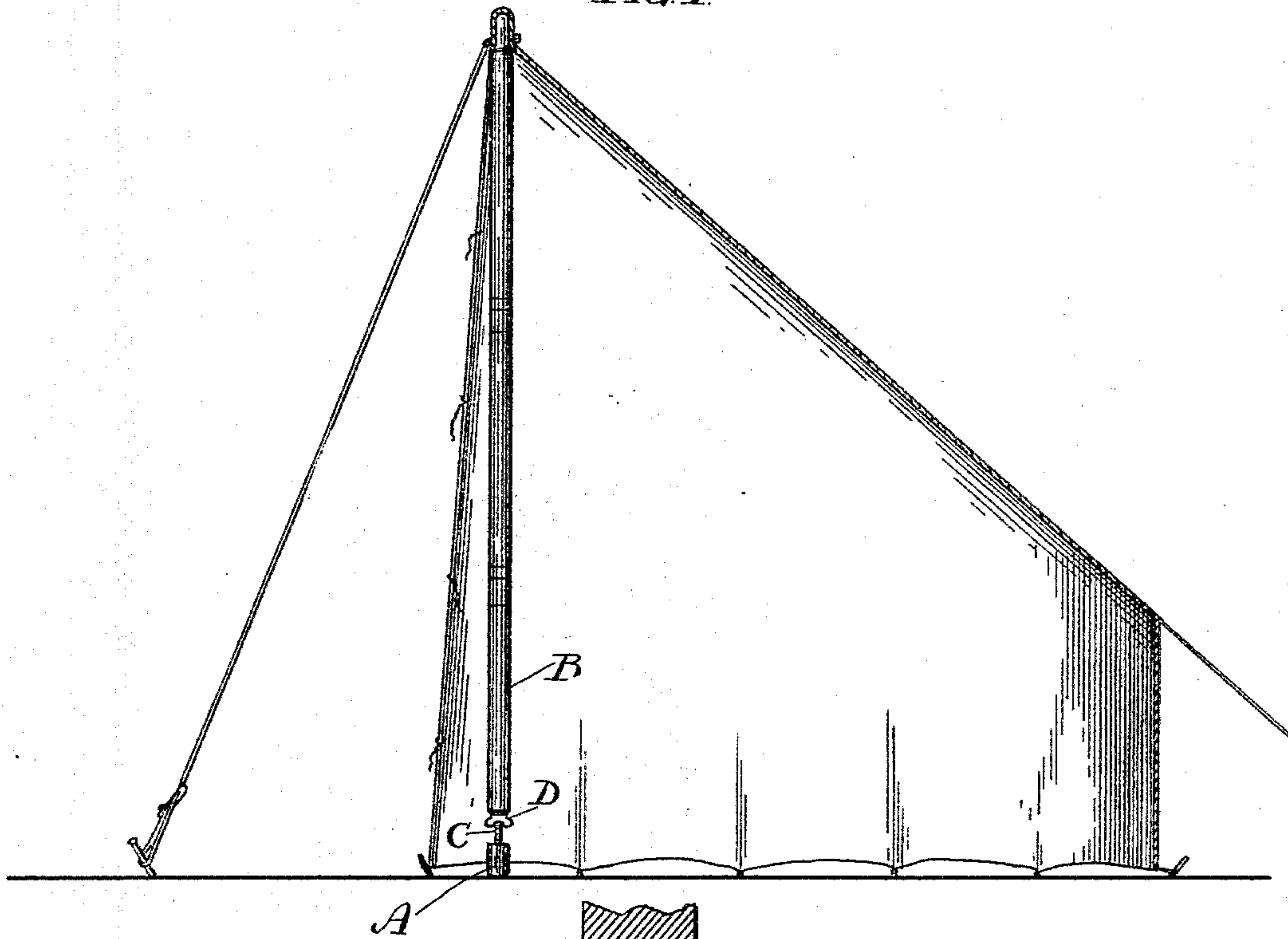
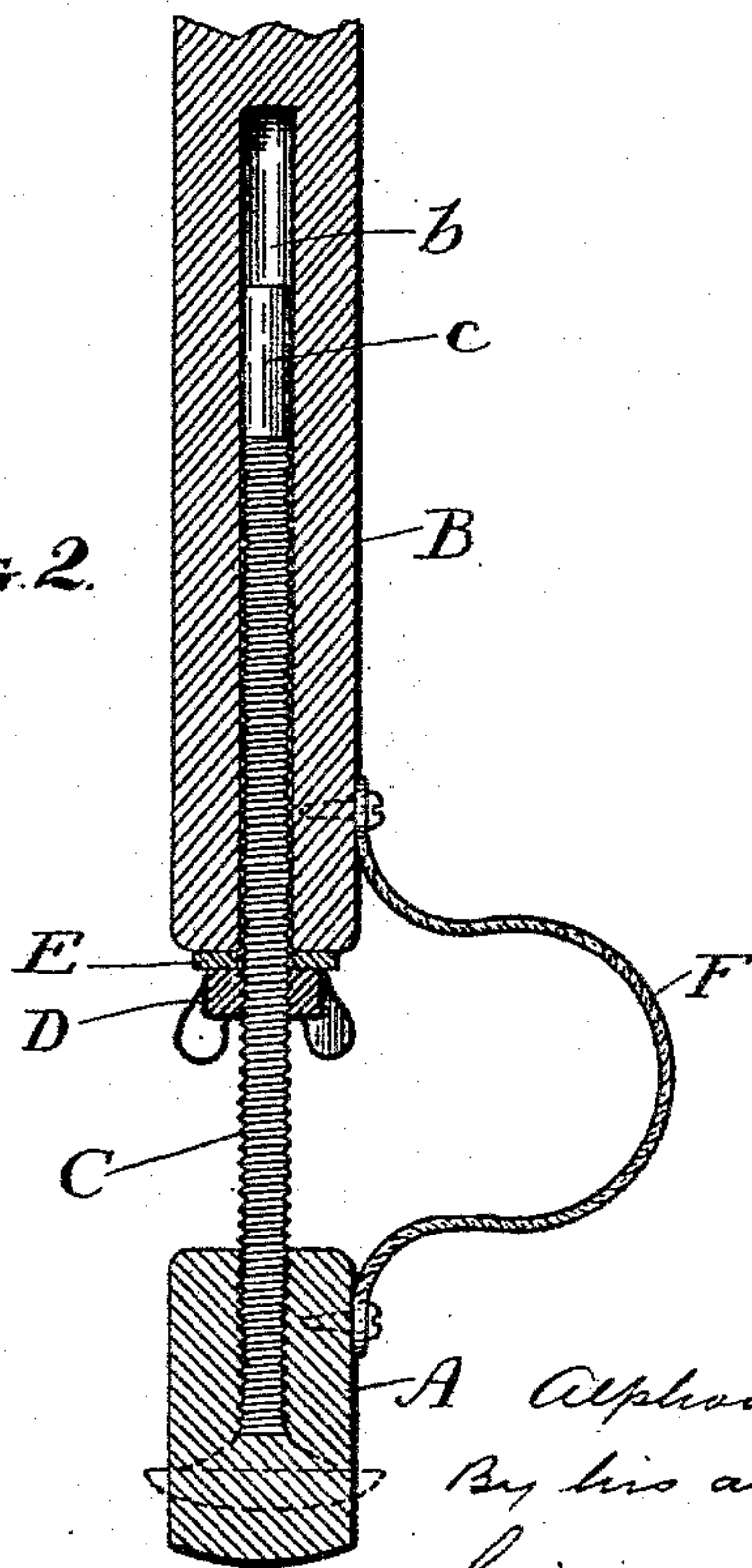


FIG. 2.



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UNITED STATES PATENT OFFICE.

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TENT-POLE.

SPECIFICATION forming part of Letters Patent No. 516,078, dated March 6, 1894.

Application filed September 25, 1893. Serial No. 486,390. (No model.)

To all whom it may concern:

Be it known that I, ALPHONSO S. COMSTOCK, a citizen of the United States, residing at Evanston, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Tent-Poles, of which the following is a specification.

The invention relates to an extensible tent pole, or, in other words, a tent pole that may be lengthened or shortened in order to compensate for such variations in the length of the guy ropes of the tent as are due to atmospheric changes, and the object of the said invention is to improve, simplify and cheapen the construction of such poles.

The invention consists in certain features of novelty that are particularly pointed out in the claims, and in order that it may be fully understood I will describe it with reference to the accompanying drawings, which are made a part hereof, and in which—

Figure 1 is a vertical section of a tent having a pole embodying the invention, the pole being shown in side elevation. Fig. 2 is a vertical longitudinal section of a portion of a pole embodying the invention, the scale being larger than in Fig. 1.

Formed directly in the extremity of the tent pole B is a centrally located bore or socket *b* which is without screw threads and is of sufficient diameter to easily admit a screw C which in turn is provided with a broad foot or bearing A. This foot I prefer to make of a short piece of material similar to that of which the pole is made, the screw being simply driven into it. Fitting upon the screw, between its foot and the extremity of the pole, is a thumb-nut D, and between the thumb-nut and the extremity of the pole is a washer E. Thus arranged the screw C becomes incorporated in and makes a part of the pole, and thus constructed the pole may be lengthened or shortened, as desired, by turning the thumb-nut in one direction or the other as may be necessary. I locate the screw at the extremity of the pole because the tendency to lateral flexure is less there than at any point nearer the center, and by locating it at the bottom the part A becomes a mere foot. If desired, this foot may be of the character indicated by dotted lines, or of any other desired shape. The lower end of foot A is rounded

off in order to insure its seating firmly. The threads of the screw C terminate some distance from its extremity, in order to make it impossible to completely withdraw the screw from the socket by an adjustment of the nut, and the extent of the unthreaded portion *c* is such as will insure an ample lateral bearing between the screw and pole B. The pole B and foot A are connected by a flexible strap or cord F, which prevents them from separating far enough to withdraw the screw from the socket when the pole is not in use. It is immaterial, so far as the present invention is concerned, whether the pole B be formed of a single length or of a number of lengths united end to end. When desired the screw C, with its foot and adjusting nut D, may be made and sold as a separate article of manufacture, to be applied to tent poles in the manner already described.

What I claim as new, and desire to secure by Letters Patent, is—

1. In combination, a tent pole having a longitudinal socket formed directly in its extremity, a screw, a portion of which occupies said socket, said screw being of less diameter than the pole, a broad bearing for the projecting end of the screw, and a nut adjustable on the screw and adapted to bear against the extremity of the pole, substantially as set forth.

2. In combination, a tent pole having a longitudinal socket formed directly in its extremity, a screw, a portion of which occupies said socket, and a nut adjustable on the screw, the projecting end of the screw being provided with a foot rounded on the under side and adapted to bear upon the ground, substantially as set forth.

3. In combination, a tent pole having a longitudinal socket formed directly in its extremity, a screw, a portion of which fits loosely in said socket, a nut located on the screw and adapted to bear against the extremity of the pole, a foot for said screw, and a flexible connection between the pole and foot for preventing their separating far enough to withdraw the screw, substantially as set forth.

ALPHONSO S. COMSTOCK.

Witnesses:

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