

J. H. Landell,

Tent Fixture,

No 32,481,

Patented June 4, 1861.

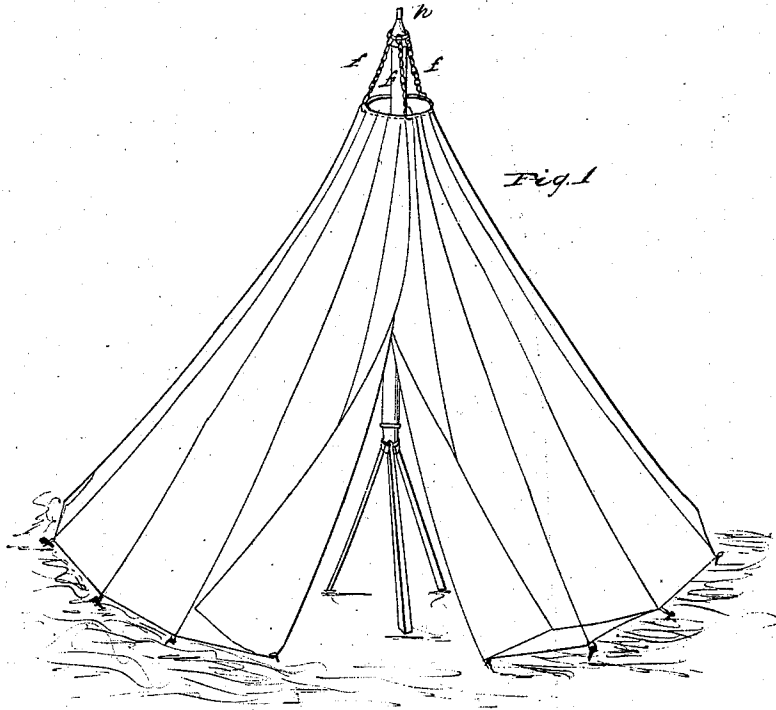


Fig. 1

Fig. 2.

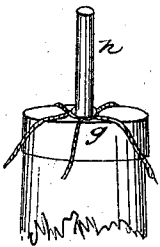


Fig. 3

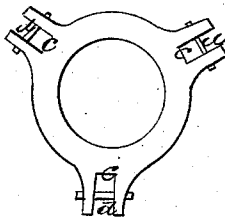


Fig. 4

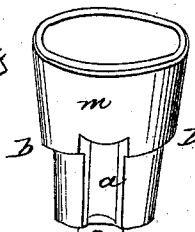


Fig. 5

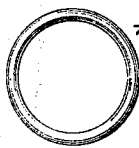


Fig. 6

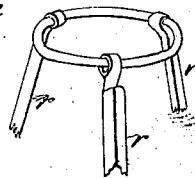
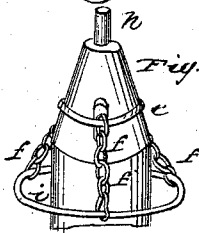


Fig. 7



Witnesses

Wm. H. Gordon
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REISSUED

UNITED STATES PATENT OFFICE.

JOHN H. LANDELL, OF NEWARK, NEW JERSEY.

TENT-FIXTURE.

Specification of Letters Patent No. 32,481, dated June 4, 1861; Reissued December 17, 1861,
No. 1,245

To all whom it may concern:

Be it known that I, JOHN H. LANDELL, of the city of Newark, in the county of Essex and State of New Jersey, have invented certain Improvements in Attachments to Tent-Poles; and I do hereby declare the following to be a full and exact description thereof, reference being had therein to the drawings which accompany this specification and make part of the same.

The nature of my invention or improvement consists in a mode of attaching the legs of the tripod to the tent pole which provides for an easy repair in case of accident in the field, and the better securing the tent to the top of the pole.

In the drawings Figure 1 is a view of the tent with the improvements. Fig. 2 is the old shape of the top of the tent pole. Fig. 3 is the common fixture for the top ends of the legs of the tripod. Fig. 4 is the improved thimble or ferrule to fit on the bottom of the tent pole. Fig. 5 is the ring which fits on Fig. 4 without the legs of the tripod. Fig. 6 is the same ring with the upper ends of the tripod affixed thereto. Fig. 7 is the improved top of the tent pole.

The same letters refer to the same parts in each figure.

In the ordinary manner the thimble or ferrule *m*, Fig. 4, is made without the slots *a*, and Fig. 3 slips on from the bottom, resting against the shoulder *b*, Fig. 4, and the legs of the tripod were fitted in the slots *c*, Fig. 3, and were held in place by the pins *d*.

As Fig. 3 was made of cast or of malleable iron, in haste of erection ears of the slots would occasionally be broken off and could not be repaired in the field without overloading the stores with a stock of new fixtures. The upper end of the legs had also to be made heavy to insure strength to hold and to stand hasty handling. I substitute for the holder Fig. 3 the ring *n*, Figs. 5 and 6, which slips on the thimble up to the shoulder *b*, and having the three legs *r* of the tripod bent over it as in Fig. 6 it takes much less iron in the legs to preserve the

same strength, and as the ring is wrought iron it is not likely to be broken but should such an accident happen it can be easily repaired at the field forge.

The slots *a* (of which there are three equidistant on the thimble or ferrule one only being shown in the drawing) are provided to receive and keep in place the ends of the legs of the tripod which are turned over the ring.

For the top of the tent pole a conical ferrule with three slots in it is provided, (see Fig. 7.) A galvanized wrought iron ring *e*, is fitted to it, to which ring three welded wrought iron chains *f*, are attached by links welded together on the ring, to the other end of the chains *f*, a larger wrought iron ring *i*, is attached in the same manner, the large ring being securely attached to the canvas of the tent.

In the ordinary fixtures of tents six ropes are fastened to a small ring which ring *g*, is put over the pin *h*, in the top of the pole, the ropes being fast at the other end to a hoop of wood or iron—involving the working of six holes in the canvas for the ropes to pass through after the canvas is stitched to the hoop. In the new method there is no working of holes and three chains insure the holding the top of the tent with an equal strain on each to meet the contraction of the canvas by wet without breaking.

What I claim and desire to secure is—

1. The employment of a conical ferrule at the top of the tent pole in combination with the rings *e* and *i* and chains *f*, the whole being constructed, arranged and operated in the manner and for the purpose set forth.

2. The employment of the ferrule *m* at the bottom of the tent pole in combination with the tripod *n*, *r*, the whole being constructed, arranged and operated in the manner and for the purpose set forth.

JOHN H. LANDELL.

Witnesses:

WM. M. GOODING,
C. M. PIERSON.