(No Model.)

A. E. SHEMELEY.

Tent Frame.

No. 232,213. **Patented Sept. 14, 1880.**

Fig. 1

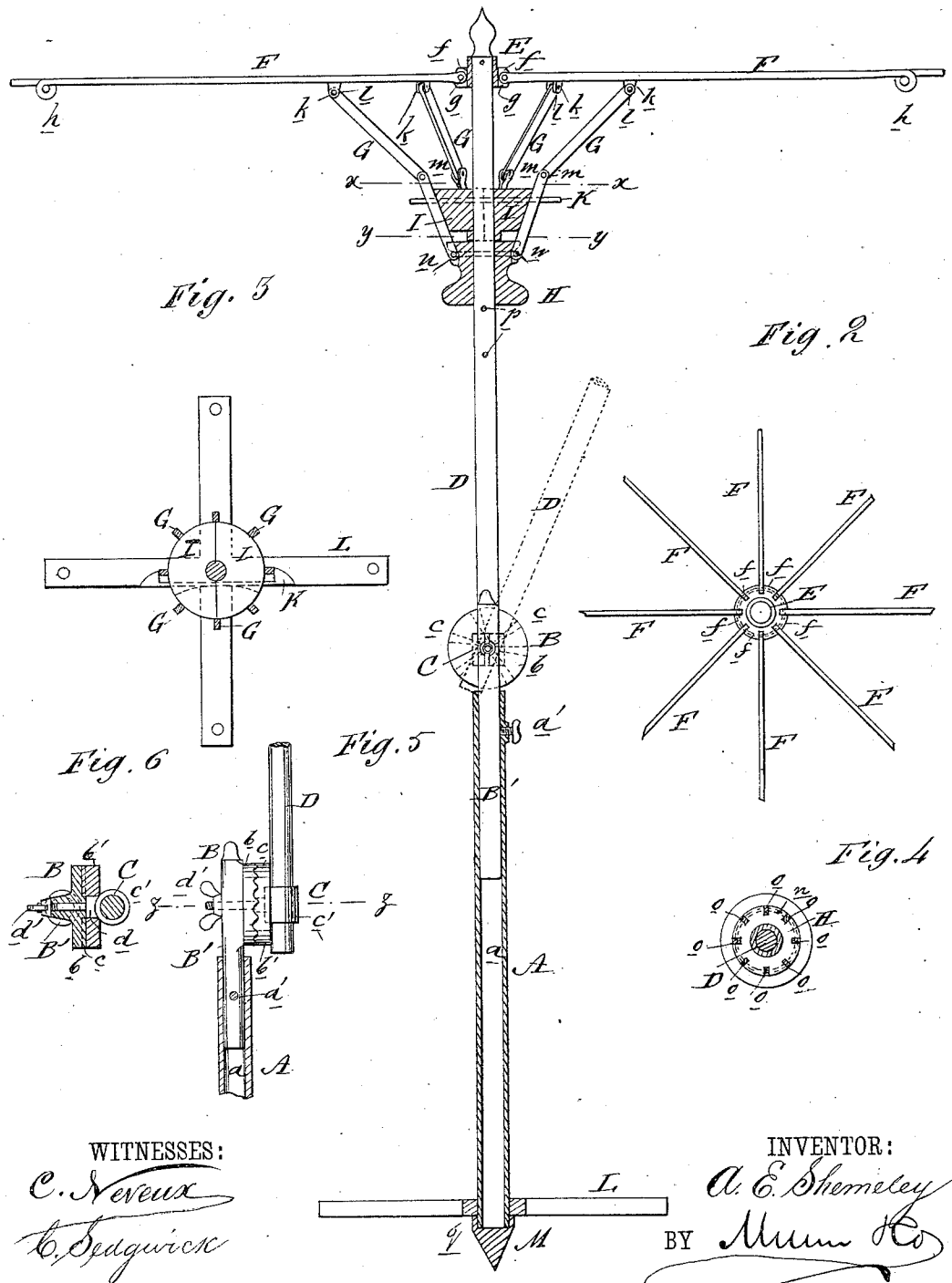


Fig. 3

Fig. 2

Fig. 6

Fig. 5

Fig. 4

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ALEXANDER E. SHEMELEY, OF JAMESBURG, NEW JERSEY.

TENT-FRAME.

SPECIFICATION forming part of Letters Patent No. 232,213, dated September 14, 1880.

Application filed July 7, 1880. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER ELWELL SHEMELEY, of Jamesburg, in the county of Middlesex and State of New Jersey, have invented a new and Improved Tent-Frame, of which the following is a specification.

The object of this invention is to provide an adjustable and folding tent or awning frame designed especially for the use of tourists and excursionists.

The invention will first be described in connection with the drawings, and then pointed out in the claims.

Figure 1 is a sectional elevation of the device opened. Fig. 2 is a plan of the central portion of the device when opened. Fig. 3 is a cross-section on line *x x*, Fig. 1. Fig. 4 is a cross-section on line *y y*, Fig. 1. Fig. 5 is a side elevation of the clamping device in position. Fig. 6 is a cross-section on line *z z*, Fig. 5.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents a standard provided with a vertical socket, *a*. B is a clamp, composed of the sections *b b'*, whose opposing discoid faces are corrugated or ribbed, as shown at *c*, and the inner clamp-section, *b*, is rigidly secured upon a handle or staff, B', which is entered into the socket *a* of the standard A, and there securely held by the bolt or screw *a'*. The section *b'* of the clamp B is held in close contact with the section *b* by means of the screw-eye C, that is provided with a square shoulder, *d*, as shown in Fig. 6, said screw-eye C being passed centrally and horizontally through said sections *b b'* of the clamp B and held in position by the winged nut *d'*. The square shoulder *d* of this screw-eye C fits within a corresponding central opening in the outer clamp-section, *b'*, so that when the said clamp-sections *b b'* have their corrugated faces interlocked by being drawn close together the said screw-eye C is prevented from turning; and when it is desired to turn the eye *c'* of the screw-eye C to any angle or plane the nut *d'* is loosened and the clamp-section *b'* moved outward from contact with the section *b*, and rotated with the screw-eye C to the required degree, when a retightening of the nut *d'* will hold the parts described in position.

D is the pole of the tent or awning frame, provided with a head-block, E, having ears *f f*, to which ears *f f* the radiating arms F are hinged on the transverse pins *g g*, so as to be capable of movement in a vertical plane, each arm F being twisted into a loop, *h*, near its outer extremity, for holding a cord, chain, or rod to assist in supporting and stretching the tent or awning cover. Projecting downward from the under faces of these arms F are the ears *k*, to which the upper ends of the braces G are hinged on the pins *l*, so as to operate after the manner of umbrella-braces. These braces G are each composed of two sections hinged together by transverse pins *m*, so that the device may be folded up more compactly. The lower ends of these braces G are hinged on a wire or rod, *n*, in the radial sockets *o o* of the hand-block H, which is fitted on the pole D, and by means of which, as it is raised or lowered, the tent or awning is spread or folded, as the case may be. Said hand-block H is held at any desired elevation by passing a pin through either of the holes *p*, that are made in the pole D.

In order to afford support to the lower sections of the braces G to bear said sections outward at a suitable angle when the arms F are spread, blocks I I are inserted between the inner faces of said braces G and the pole D, as shown in Fig. 1, and in order to hold said lower brace-sections and said blocks I I in contact a clamping-key, K, is applied to two of said brace-sections G, as shown in Figs. 1 and 3, said blocks I I and clamping-key K being first removed when the tent-frame is to be folded up.

A shoe, L, provided with a central socket, *q*, is used for supporting the device when it is to be set up in a hall or on a platform, while the pointed end M of the standard A facilitates the driving of said standard A into the ground when the device is to be set up out-of-doors. This device is very compact and easily transported when folded, and can readily be set up or removed.

In order to secure strength and lightness the standard A and pole B are preferably made of iron or steel tubing, and the arms F and braces G of iron or steel rods. The clamping device B gives this tent-frame another

decided superiority over other tent-frames, inasmuch as, the end of the pole D being inserted in the eye c' of the screw-eyebolt C, the tent-frame can be adjusted at any desired angle by rotating the clamp-section b', as set forth.

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

1. A tent-frame constructed substantially as herein shown and described, consisting of socketed standard A, clamp B, screw-eye C, pole D, provided with head-block E, radiating looped arms F, jointed braces G, and hand-block H, as set forth.

2. In a tent-frame, the combination, with the ribbed faced clamp B and screw-eye C, of the pole D, provided with head-block E, hinged arms F, jointed hinged braces G, and hand-block H, substantially as herein shown and described.

3. In a tent-frame, as a means of supporting the hinged braces G, and in combination therewith, the blocks I I and clamp-key K, substantially as herein shown and described.

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Witnesses:
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