(No Model.) 2 Sheets—Sheet 1.

W. CHADD.

TENT.

No. 410,783. Patented Sept. 10, 1889.

Fig. 1.

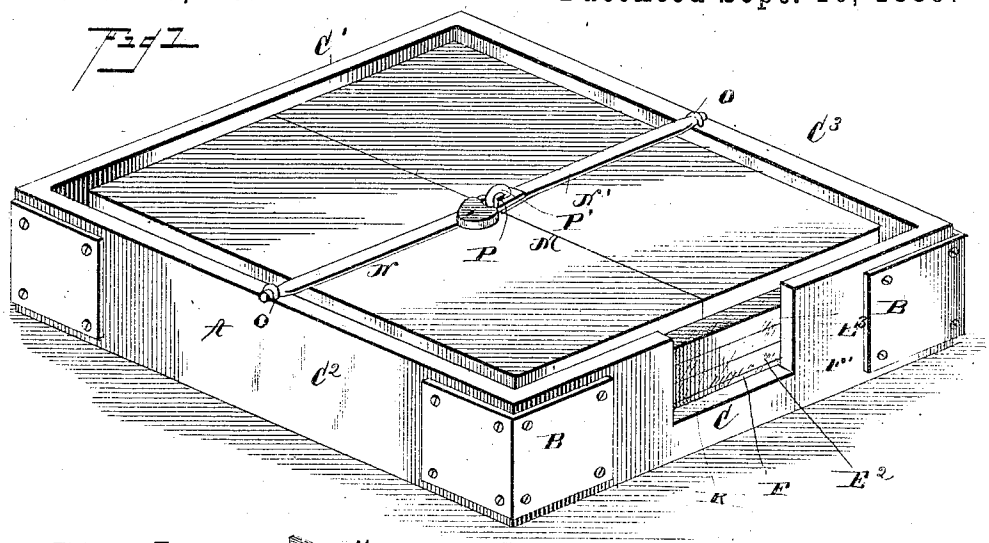
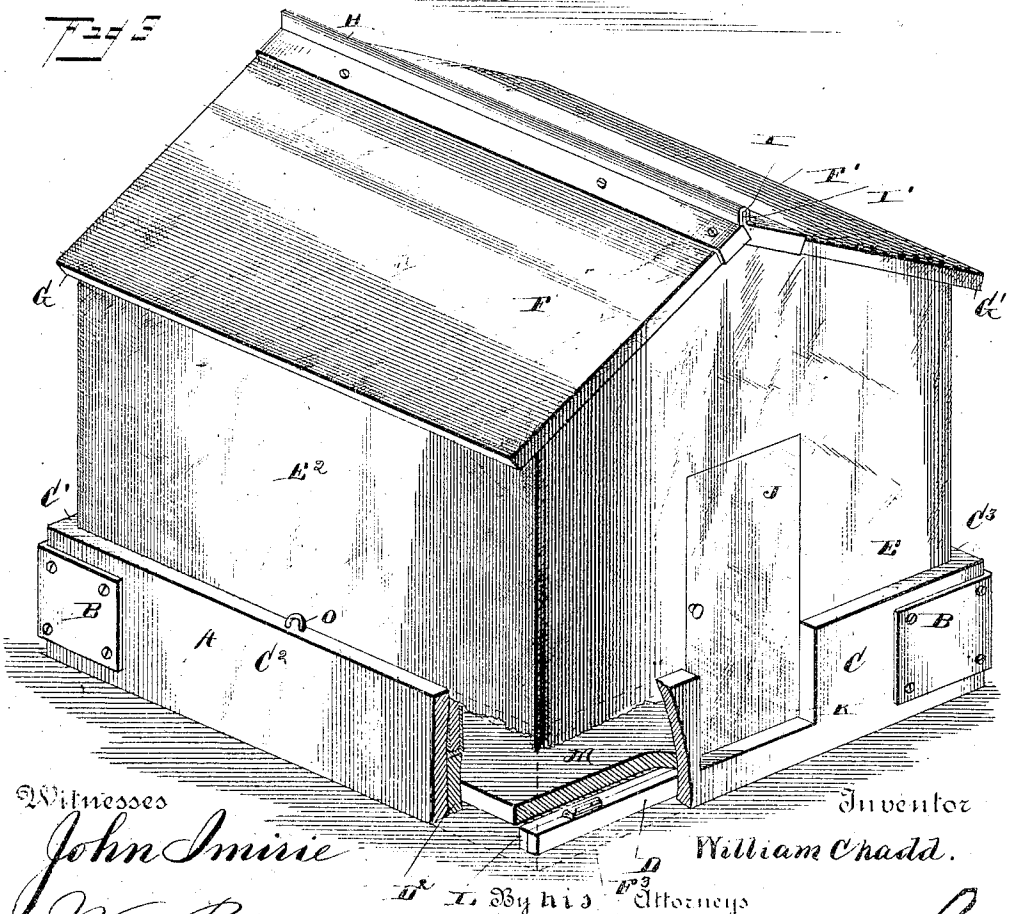


Fig. 5.



Witnesses
John Smirie
Wm. Bagger

Inventor
William Chadd.
By his Attorneys
C. A. Snow & Co.

(No Model.) 2 Sheets—Sheet 2.

W. CHADD.

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No. 410,783. Patented Sept. 10, 1889.

Fig 3

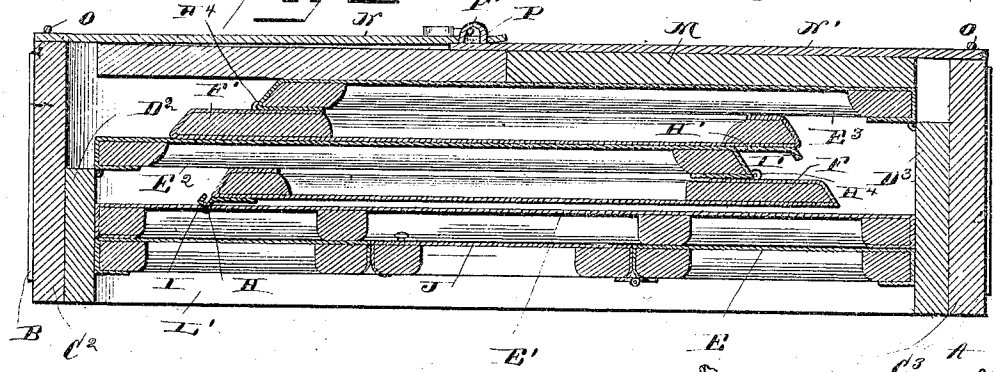


Fig 4

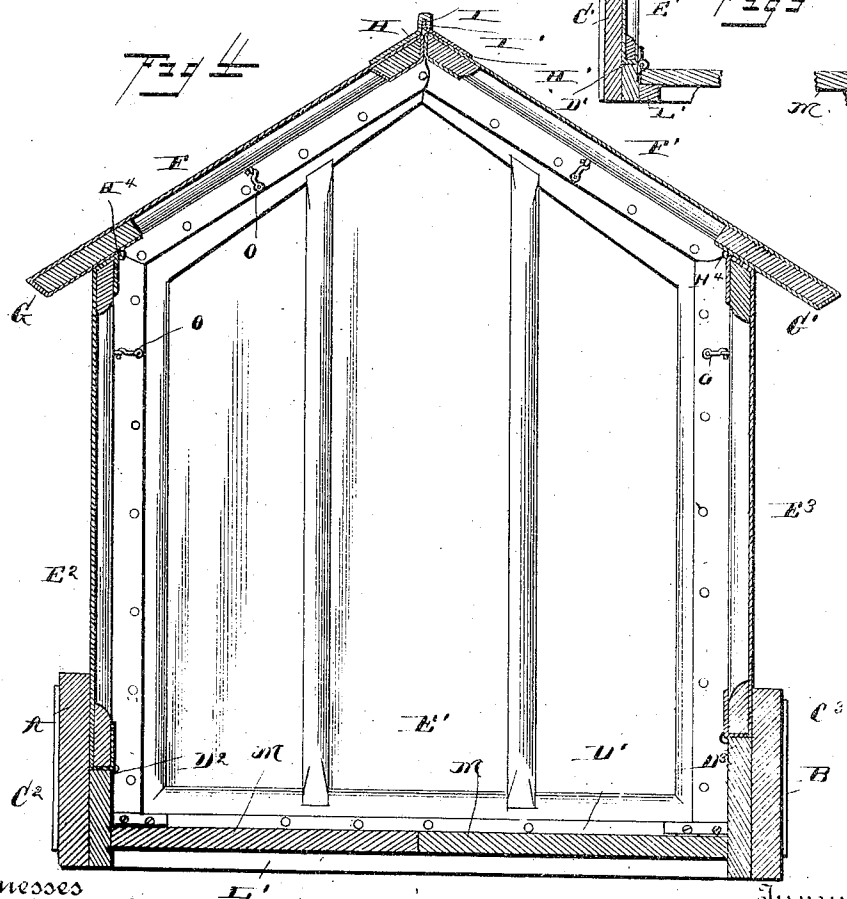


Fig 5

Witnesses

John Imrie

Wm. Bagger

Inventor

William Chadd.

By his Attorneys

C. Howard

UNITED STATES PATENT OFFICE.

WILLIAM CHADD, OF WILKES-BARRÉ, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO GEORGE SHELLEY, OF SAME PLACE.

TENT.

SPECIFICATION forming part of Letters Patent No. 410,783, dated September 10, 1889.

Application filed February 8, 1889. Serial No. 299,181. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM CHADD, a citizen of the United States, residing at Wilkes-Barré, in the county of Luzerne and State of Pennsylvania, have invented a new and useful Improvement in Tents, of which the following is a specification.

This invention relates to that class of tents in which the canvas comprising the walls and roof is stretched upon frames which are adapted to fold compactly together for convenience in transportation; and it has for its object to provide a tent of this class, which shall be simple, durable, and strong, and which may be easily and quickly put up or taken down, as occasion may require.

With these ends in view the invention consists in the improved construction and arrangement of a frame or casing and the tent-frames hinged therein, together with such other details as will be hereinafter described, and particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of the tent folded for transportation. Fig. 2 is a vertical transverse sectional view of the same. Fig. 3 is a perspective view showing the tent erected for occupation. Fig. 4 is a vertical transverse sectional view of the same. Fig. 5 is a detail sectional view taken on the line $x\ x$ in Fig. 4.

The same letters refer to the same parts in all the figures.

A designates a rectangular frame of the dimensions of the ground area of the proposed tent. This frame, which forms practically a shallow bottomless casing, is usually to be constructed of wood, re-enforced at the corners by angle-plates B B of sheet metal. The front C of the casing is provided at its lower inner edge with a step D, to which the front wall E of the tent is connected by means of hinges F^3, which admit of its being raised to a vertical position, as shown in Figs. 3 and 4 of the drawings. The rear end C′ and sides C^2 C^3 of the casing are likewise provided with steps D′ D^2, and D^3 of gradually-increasing height, to which the rear wall E′ and side walls E^2 E^3 of the tent-frame are hinged, as shown. It will be seen that, owing to the gradually-increasing height of the steps to which they are hinged, the walls of the tent may be folded within the casing on top of one another in the order named; the casing A being of such a height as to accommodate the thicknesses of the four wall-frames, and in addition thereto the roof-frames, which are hinged to the side frames, as will be presently described, and the floor of the tent. The front and rear wall frames E E′ have gable tops of any desired pitch to support the roof-frames F F′, which are hinged, as shown at H^4 H^4, to the upper edges of the side frames E^2 E^3 in such a manner as to project over said side walls and form eaves G G′. One of the roof-frames F is provided at its inner edge with a ridge-plate H, which is folded so as to form a groove I, adapted to receive a flange I′, formed by a ridge-plate H′ upon the roof-frame F′. By this construction the roof-frames may be locked together, as will be clearly seen in Fig. 4 of the drawings, and the joint between said frame will be perfectly water-tight.

The several frames of which my improved tent is composed are to be light wood frames covered with a good quality of canvas, which may be stretched upon the said frames and tacked or otherwise secured thereto. Light metallic frames of suitable construction may, however, be used without departing from my invention.

The front-wall frame E is provided with a door J, and the front C of the casing A has a recess K corresponding or registering with the door-opening, so as to make the tent convenient of access.

Upon the lower inner side of the front and rear walls of the casing A, or, more correctly, upon the steps D D′, attached thereto, are secured a pair of cleats L L′, which, when the tent is erected, serve to support the floor, which is in two or more sections M M. When the tent is folded, as in Fig. 1, the floor-sections are packed in the top casing A, forming a cover, which may be secured by a pair of straps or keepers N N′, the ends of which enter staples O O in the sides of casing A. One of the straps N has a slot P to receive a staple P′ upon strap N′, and the straps may be secured together by a padlock or other suitable fastening, thus securing the tent in a folded position within the casing.

The several frames of the tent are provided

at suitable intervals along their edges with hooks and staples Q Q, whereby said frames may be connected so as to prevent the wind from entering and forcing the frames apart.

The operation and advantages of my invention will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed. To erect the tent, the casing is placed flat upon the ground in the desired position. The straps and floor-sections are then removed and the side walls raised to a vertical position. The roof-frames are next raised and locked together by the joint along their adjoining edges. The rear and front wall frames, which are next raised, fit between and serve to brace and support the side and roof frames, to which they are now connected by means of the hooks and staples Q Q. The floor-sections are finally passed through the door and supported upon the cleats L L', making the tent ready for occupation. To fold or pack the tent for transportation, the operation is simply reversed.

My improved tent is very simple in construction, durable, and inexpensive. It may be raised or folded in a few moments' time, and when packed for transportation it occupies comparatively small space, and is thoroughly protected from injury by the casing A.

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

1. In a tent, the combination, with a rectangular casing, the front, rear, and side walls of which are provided on their inner sides with steps of gradually-increasing height, of the wall frames hinged to said steps and adapted to fold within said casing, substantially as set forth.

2. In a tent, the combination, with a rectangular casing, of the wall-frames hinged and adapted to fold within said casing, the front and rear walls being provided with gable tops, and the roof-frames hinged to the upper edges of the side walls and adapted to rest upon the tops of the front and rear frames, substantially as set forth.

3. The combination of the casing, the hinged wall-frames, and the roof-frames hinged to the upper edges of the side-wall frames and provided along their adjoining edges with ridge-plates bent so as to form, respectively, a groove and a flange, combined to form a water-tight lock-joint, substantially as set forth.

4. The combination of the casing, the hinged side walls, the roof-frames hinged to the upper edges of the latter and projecting so as to form eaves, and the ridge-plates along the adjoining edges of the roof-frames, bent so as to form, respectively, a groove and a flange, combining to form a water-tight lock-joint, as set forth.

5. In a tent, the combination, with the rectangular frame, of the wall-frames hinged and adapted to fold therein, the front frame being provided with a door, and the front wall of the casing having a recess corresponding with said door, substantially as set forth.

6. The combination of the rectangular casing, the frames hinged to steps upon the inner sides of the walls thereof, cleats upon the inner sides of the steps secured upon the front and rear walls of said casing, and floor-sections adjustable upon said cleats, substantially as set forth.

7. The combination of the rectangular casing having the floor-supporting cleats, the wall-frames hinged and adapted to fold within said casing, the roof-frames hinged to the side-wall frames and having interlocking ridge-plates, the floor-sections, and hooks and staples along the edges of the wall and roof frames, substantially as set forth.

8. The combination of the casing having staples at its sides, the frames hinged and adapted to fold within said casing, the floor-sections adapted to be packed in the top of the casing, and the straps or keepers adapted to engage the staples in the sides of the casing and having slot and staple, whereby they may be connected so as to secure the tent when folded within its casing, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WILLIAM CHADD.

Witnesses:
E. W. MOORE,
T. J. HEFFERMAN.