(No Model.)

J. E. ACHESON.

PORTABLE BUILDING.

No. 319,436. Patented June 9, 1885.

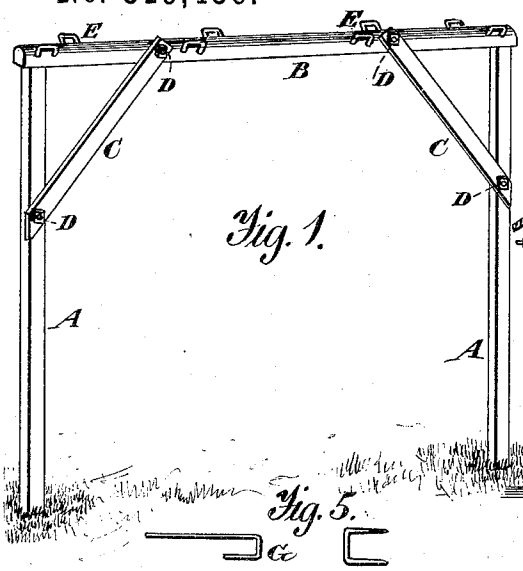


Fig. 1.

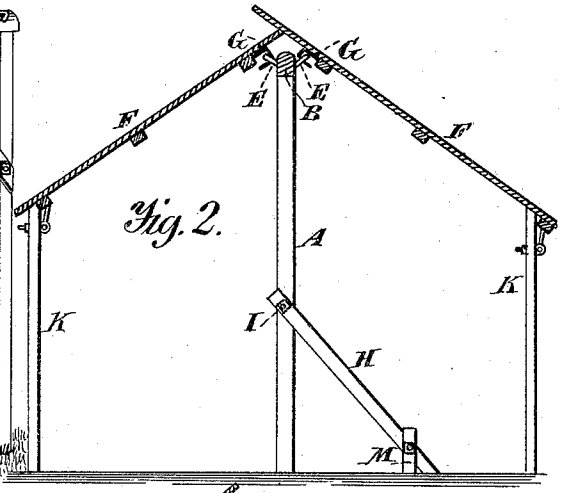


Fig. 2.

Fig. 5.

Fig. 6.

Fig. 4.

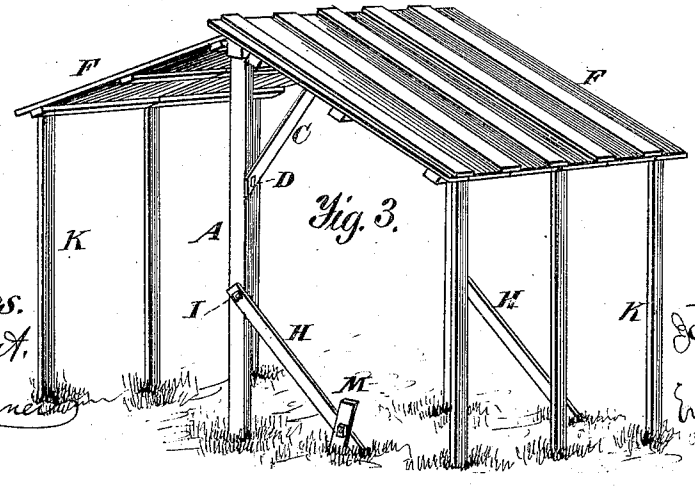


Fig. 3.

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UNITED STATES PATENT OFFICE.

JAMES E. ACHESON, OF AINSWORTH, IOWA.

PORTABLE BUILDING.

SPECIFICATION forming part of Letters Patent No. 319,436, dated June 9, 1885.

Application filed September 10, 1884. (No model.)

To all whom it may concern:

Be it known that I, JAMES E. ACHESON, a citizen of the United States, residing at Ainsworth, in the county of Washington and State of Iowa, have invented certain new and useful Improvements in Portable Buildings, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improvement in portable buildings; and it consists in the peculiar construction and combination of parts that will be more fully set forth hereinafter, and particularly pointed out in the claims.

The object of my invention is to provide a building that may be readily put up for use in storing and sheltering hay or grain in the field, and for other similar purposes very expeditiously and without the necessity of driving nails or employing a hammer in its construction. When desired, the building may be readily taken apart and stored for future use.

In the accompanying drawings, Figure 1 is a perspective of the main supporting-frame. Fig. 2 is a vertical cross-section of one form of the building complete. Fig. 3 is a perspective view of the same. Fig. 4 is a vertical cross-section of a modified form of my invention. Figs. 5 and 6 are detail views of various forms of connecting-hooks that may be employed in my building.

A represents posts that are firmly set in the ground and connected at their upper ends by a horizontal beam, B. Diagonal braces C are bolted, as at D, to the posts and beam, and thus prevent any longitudinal movement or displacement of the building. A number of staples or eyes, E, are secured to the outer sides of the beam B, to which staples or eyes the sections F of the roof are hooked by means of catches G. The sections of the roof are formed of a size that can be handled, preferably, by two men, and consist of boards that are secured together by transverse bars, as shown in the various figures. The outer ends of the sections of the roof are supported by being hooked to the upper ends of posts K, that are driven into the ground and take the place of the "studding" used in the construction of ordinary frame-buildings. The sides of the building are made in sections, L, similar to the sections of the roof, and are supported in position by hooks and catches, as shown in Fig. 4.

Fig. 4 is a modified form of my invention, in which the truss formed by the posts A, beams B, and braces C is mounted upon transverse supports for the building.

When it is desired to increase the capacity of the building, the sides L may be extended out in nearly a horizontal position, so as to form a roof for the extended wings, and supported at their outer ends by the posts K. Posts M are driven into the ground, and braces H are bolted thereto and to the posts A, as at I, and thus prevent any sidewise vibration or displacement of the building. By thus extending the sides of the building to form additions or wings thereto the capacity of the building may be more than doubled, as will be very readily understood.

A building of this construction will be found of great utility in the hay and grain field, as it may be put up in a very few minutes on the approach of a storm, and thus serve as a protection of the hay or grain from the wet. It is also adapted to be used as a booth, and for various other purposes.

Having thus described my invention, I claim—

1. The combination of a supporting-truss, a roof formed in sections, means for securing the sections to the truss, posts for supporting the outer sides of the roof-sections, and sides that are formed in sections and pivotally secured beneath the outer edges of the roof, whereby they may be extended out so as to form extensions to the roof, substantially as described.

2. The combination of the posts A, beam B, braces C, means for securing them together, roof-sections F, having catches G, posts K, anchor-posts M, and braces H, substantially as described.

3. The combination of the posts A, beam B, braces C, means for securing them together, roof-sections F, having catches G, posts K, and side sections, L, having catches G, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES E. ACHESON.

Witnesses:

A. S. FOLGER,

J. H. WILDE.