

No. 775,505.

PATENTED NOV. 22, 1904.

C. B. THUMMEL.  
COVER FOR HAYSTACKS.  
APPLICATION FILED FEB. 23, 1904.

NO MODEL.

Fig. 1.

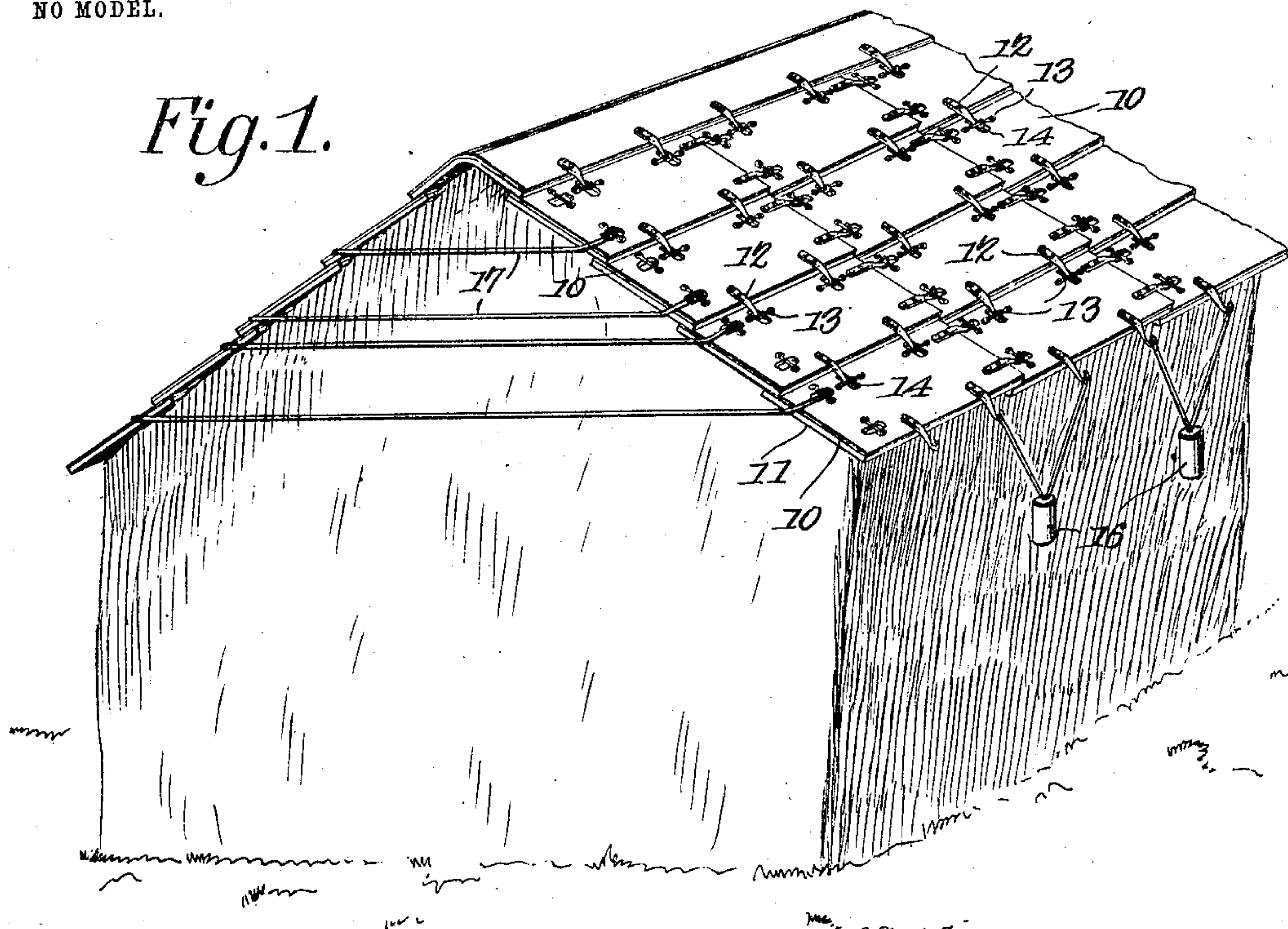


Fig. 2.

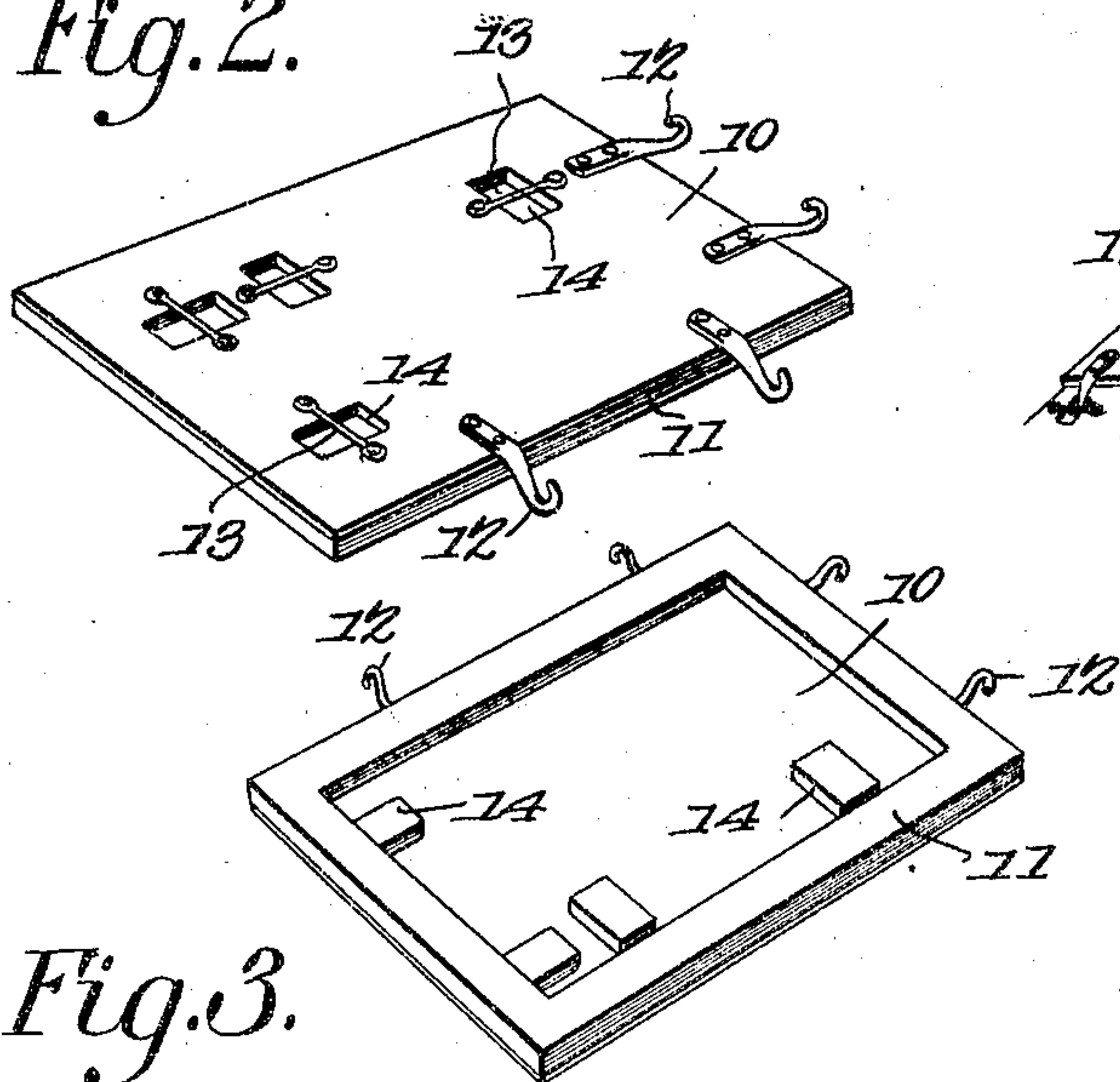


Fig. 5.

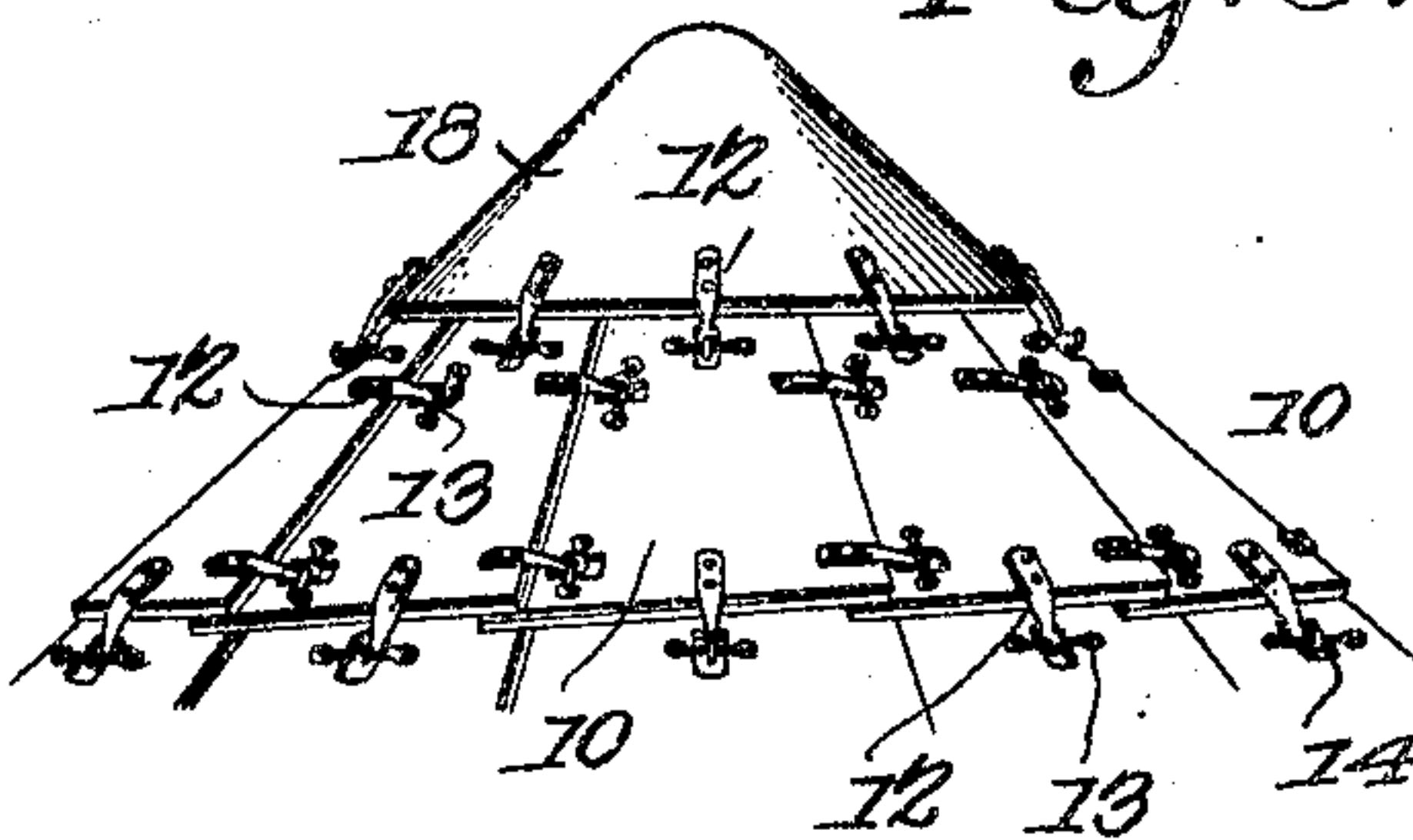


Fig. 4.

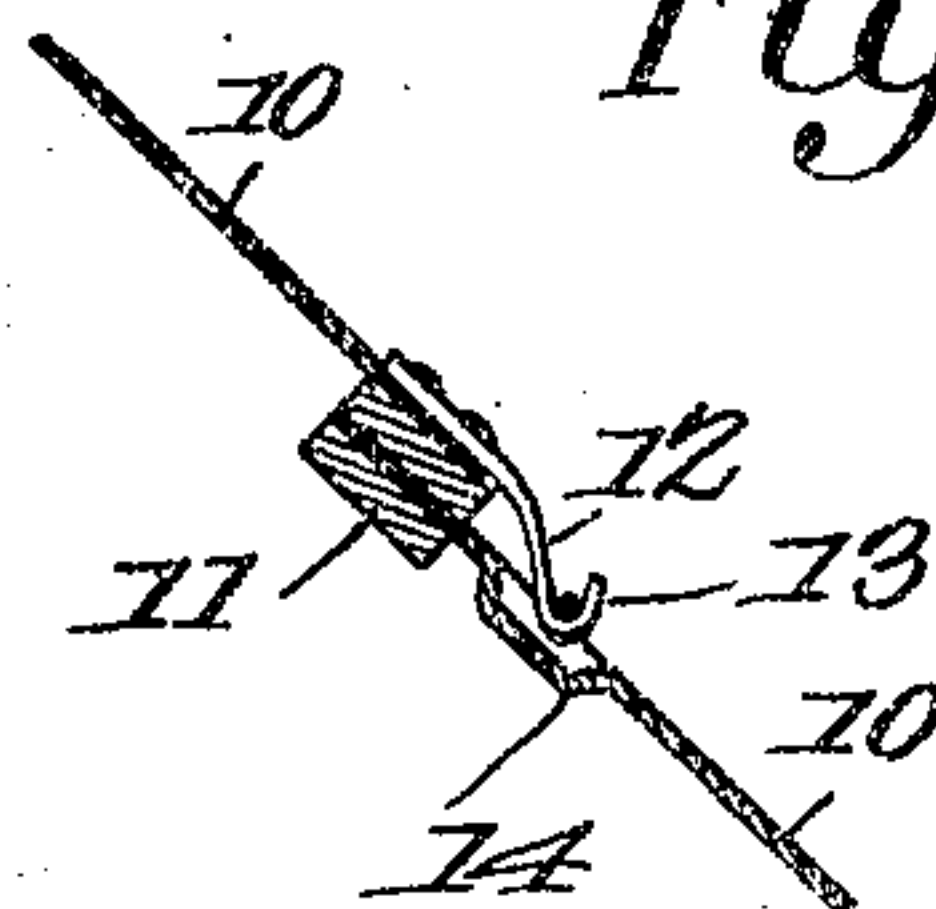


Fig. 3.

Witnesses  
*E. J. Stewart*  
*C. H. Woodward*

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by *C. A. Snowles* Attorneys



## UNITED STATES PATENT OFFICE.

CHARLES B. THUMMEL, OF ESBON, KANSAS.

## COVER FOR HAYSTACKS.

SPECIFICATION forming part of Letters Patent No. 775,505, dated November 22, 1904.

Application filed February 23, 1904. Serial No. 194,816. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES B. THUMMEL, a citizen of the United States, residing at Esbon, in the county of Jewell and State of Kansas, have invented a new and useful Cover for Haystacks, of which the following is a specification.

This invention relates to improvements in temporary shelters for hay or grain stacks and similar structures and which may likewise be employed for the protection of certain kinds of goods and merchandise from rain, snow, frost, or other effects of inclement weather, and has for its object to simplify and improve the construction and produce a device of this character which may be readily attached and detached in sections or as a whole and whereby a portion only of the stack or other protected structure or object may be uncovered.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportions, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages, and the right is therefore reserved of making all the changes and modifications which fairly fall within the scope of the invention and the claims made therefor.

In the drawings thus employed, Figure 1 is a perspective view of a haystack with the improved cover applied. Fig. 2 is an enlarged perspective view of one of the cover-plates detached. Fig. 3 is a perspective view of one of the plates inverted. Fig. 4 is an enlarged sectional detail illustrating the means for detachably connecting the plates. Fig. 5 is a similar view with the improved device applied to a grain-stack.

The improved device comprises a plurality of plates 10, of suitable water and frost proof material, detachably united by their contiguous edges for arrangement over the structure or material to be protected and which may be removed in sections or as a whole, as required. The plates will preferably be in relatively small sections and of metal; but any suitable material, such as hardened waterproof paper, may be employed, if required. The plates will also preferably be bound at the edges, as at 11, to increase their strength and durability.

Upon two of the contiguous sides of each plate hooks 12 are connected and extending beyond the edges of the same, while near the edges of the remaining sides loops 13 are secured, the loops of one plate for receiving the hooks of the adjacent plates. By this simple means, it will be obvious, any number of the plates may be detachably connected and a structure of any size covered and protected by simply multiplying the plates. The edges of the plates by this arrangement overlap, as represented, to provide the necessary "water or snow shed" feature to the cover when applied. Beneath each of the loops 13 the material of the plates is depressed to form pockets 14, into which the hooks will enter when engaging the loops.

A "ridge-protecting" member will be employed along the apex of the stack and provided with a plurality of the extending hooks 12 for engagement with the loops 13 of the upper row of plates. Weights or guy-ropes may be connected to the lower row of plates to retain the cover in position and prevent displacement by the wind or from other causes.

When employed upon ordinary haystacks of elongated shape, as in Fig. 1, the connected plates at the ends of the stack will be supported by suitable tie-rods 17, as shown in Fig. 1.

In Fig. 5 the improved cover structure is shown as applied to a "bond" or conical grain-stack, and when thus employed the plates will be cut and curved to conform to the outlines of the stack and surmounted by a conical cap 18, having a plurality of the extended hooks 12 for engagement with the loops 13 on the upper row of plates.



With this device composed of a plurality of relatively small plates detachably connected it is obvious that any desired number of plates may be detached and any portion of the stack 5 exposed without exposing the remainder. This is a very important advantage, as it is frequently desirable to obtain access to a portion only of the stack, while the remainder is left undisturbed and with the protecting covering 10 also undisturbed.

The plates will preferably be formed "rights and lefts" as to the arrangement of the hooks and loops upon opposite sides of the stack. The plates 10 can be corrugated longitudinally 15 to facilitate the shedding of the rain and will be of a size to enable them to be easily handled by one person.

When not in use, the disconnected plates can be easily stored in barns or sheds to protect 20 them from the elements and may be painted, galvanized, or otherwise coated or protected.

Having thus described my invention, I claim—

25 1. A cover for stacks comprising a plurality of plates having hooks extending beyond the edges of two of their contiguous sides and with loops near the edges of the remaining contiguous sides, whereby the plates may be detach- 30 ably connected by engaging the hooks of each plate with the loops of the contiguous plates.

2. A cover for stacks comprising a plurality of plates having hooks extending beyond the edges of two of their contiguous sides and with

loops near the edges of the remaining contiguous 35 sides, with the material of the plates recessed beneath said loops, whereby the plates may be detachably connected by inserting the hooks of one plate into the recesses of the contiguous plates and engaging them with the 40 loops extending over the same.

3. A cover for stacks comprising a plurality of plates having hooks extending beyond the edges of two of their contiguous sides and with 45 loops near the edges of the remaining contiguous sides, whereby the plates may be detachably connected by engaging the hooks of each plate with the loops of the contiguous plates, and tie-rods connecting the plates across the ends of the stack. 50

4. A cover for stacks comprising a plurality of plates having hooks extending beyond the edges of two of their contiguous sides and with 55 loops near the edges of the remaining contiguous sides, whereby the plates may be detachably connected by engaging the hooks of each plate with the loops of the contiguous plates, and a cap member for the apex of the stack and having hooks extending from its edges for engagement with the loops of the upper 60 row of plates.

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

CHARLES B. THUMMEL.

Witnesses:

BRUCE WHITE,  
W. W. ROSS.