(No Model.)

F. DEAN.

STACK COVER.

No. 322,045. Patented July 14, 1885.

Fig. 1.

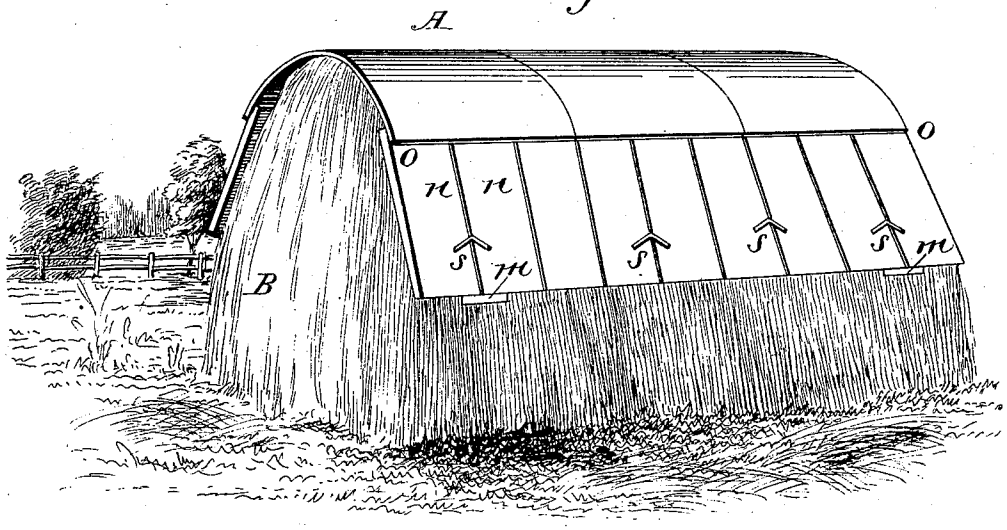


Fig. 2.

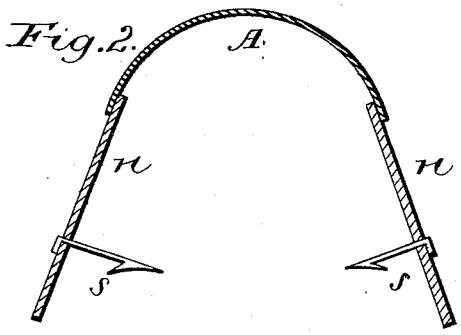


Fig. 4.

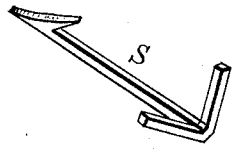
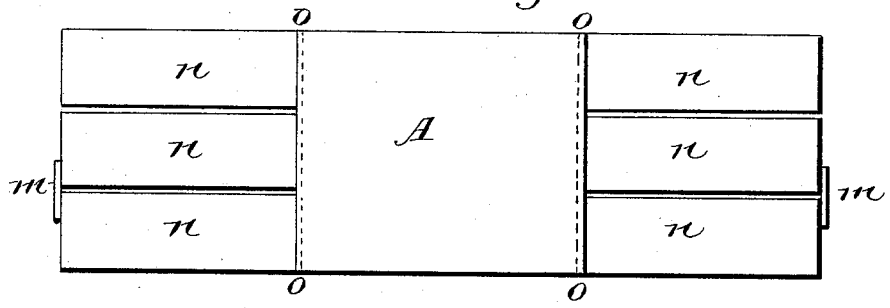


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

FRANK DEAN, OF WAHOO, NEBRASKA.

STACK-COVER.

SPECIFICATION forming part of Letters Patent No. 322,045, dated July 14, 1885.

Application filed September 13, 1884. (No model.)

To all whom it may concern:

Be it known that I, FRANK DEAN, a citizen of the United States, residing at Wahoo, in the county of Saunders and State of Nebraska, have invented a new and useful Stack-Cover; and I do hereby declare that it has not been patented in any other country, and that according to my knowledge and belief the same has not been in public use or on sale in the United States for more than two years prior to the application in this country.

My invention relates to improvements for the covering and protection of hay and grain stacks from wind and rain; and it consists of a rectangular flexible cover with the weight principally at the sides, and secured so that the settling of the stack will not loosen it.

The objects of my improvements are to provide a close-fitting cover, first, that will adjust itself to the stack at all times; second, that will not become insecure and liable to be blown off by reason of the settling of the stack; third, that can be adjusted to stacks of different lengths; fourth, a part of which can be taken off without endangering the security of the rest. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a view in perspective of a stack with the stack-cover adjusted and secured upon it. Fig. 2 is a vertical section of the stack-cover. Fig. 3 is a view of a single section of the stack-cover as it appears when spread upon a flat surface. Fig. 4 represents a pin with cross-head and barbed point.

Similar letters refer to similar parts throughout the several views.

The hangers *n n*, consisting of boards of equal dimensions, are secured in equal numbers to opposite sides of the rectangular piece of tarpaulin or other flexible water-proof material, A, at the point indicated by the dotted lines *o o*, the tarpaulin overlapping the hangers, and a long narrow space being left between the hangers, as is best shown in Fig. 3. In the present instance six hangers, (the number not being material,) secured to a single piece of flexible water-proof material, comprise the single section of the stack-cover represented in Fig. 3, and three sections, suspended side by side over the stack B, (leaving a space of equal width between all of the hangers,) constitute the stack-cover represented in Fig. 1. The narrow space between the hangers is sufficiently wide that when the pin *s* is inserted through the space into the stack B, near the lower end of the hangers *n n*, the hangers of their own weight may slide down the side of the stack, thereby preventing the top of the stack-cover from becoming loose by reason of the top of the stack settling more than the lower parts of the stack.

The pins *s s*, with cross-heads and barbed points, are first inserted between the two end or outside hangers at each of the four corners of the stack, and the lower ends of these two outside hangers are secured together by the cleats *m m*, for the purpose of keeping the outside hanger more securely in place.

The pins, driven into the stack until the arms of the cross-head rest upon the hangers, which may be inserted along the entire sides of the stack between all of the hangers, together with the weight of the hangers, constitute the security and protection of the stack-cover against wind, and holds it in place.

The cross-heads of the pins incline downward on both sides of the shanks, so that the water descending from the water-proof flexible material upon the hangers, and all water running down the hangers which comes in contact with the cross-heads of the pins, will be thrown toward the center of the hangers, the length of the arms of the cross-head not exceeding one-half the width of the hangers.

The number of sections required depends upon the length of the stack, and one or more sections may be taken off and a part of the stack removed, in which case the two outside hangers are secured together with cleats *m m*, as at first.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a stack-cover, the combination, with the cover proper, of hangers *n n*, secured thereto and arranged with spaces between them, and cleats *m m*, and pins *s s*, substantially as described.

FRANK DEAN.

In presence of—
A. W. MERRIAM,
J. J. JOHNSON.