

(No Model.)

W. L. MURDY.
STACK FASTENER.

No. 409,857.

Patented Aug. 27, 1889.

Fig. 1.

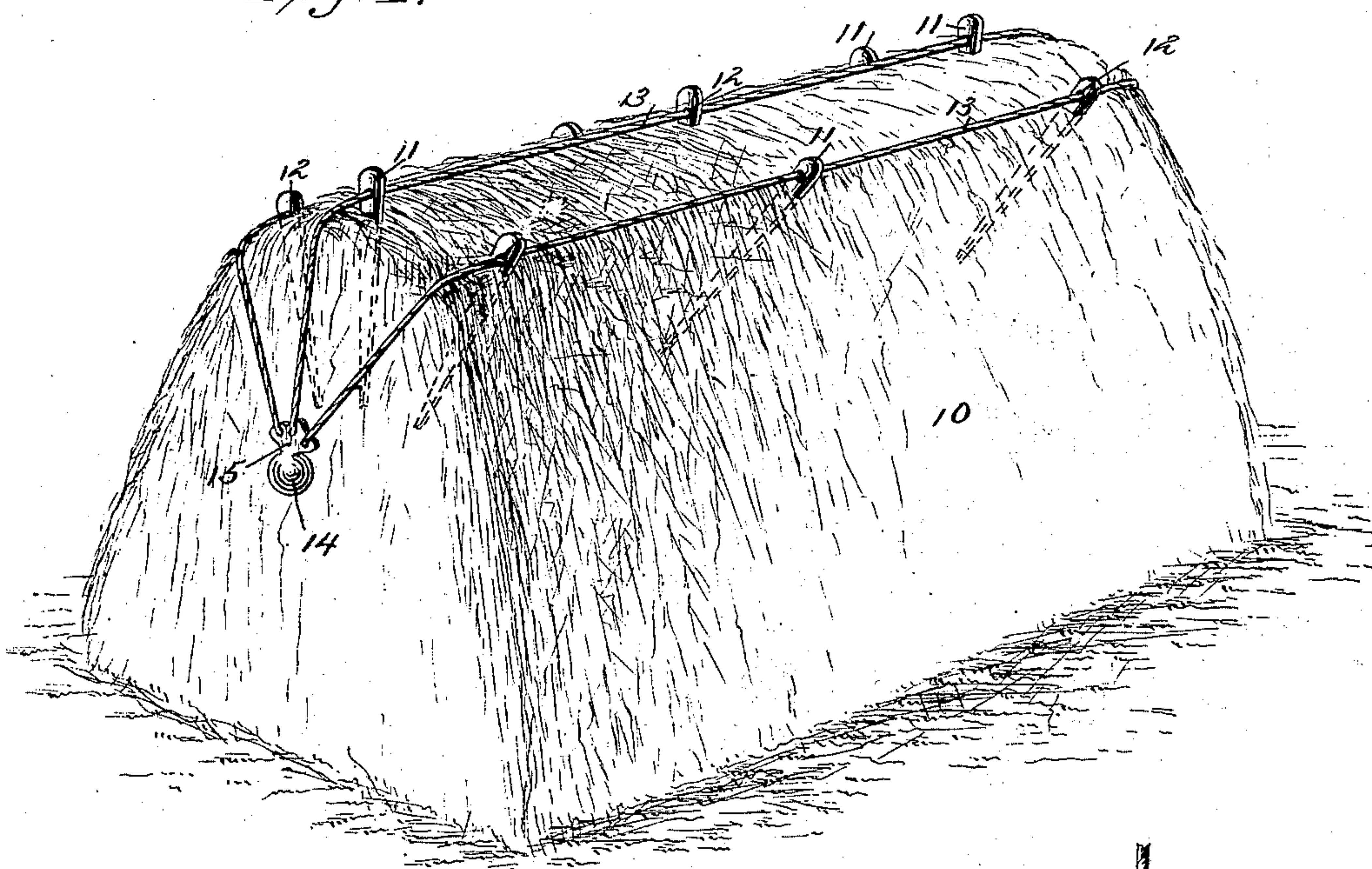


Fig. 2.

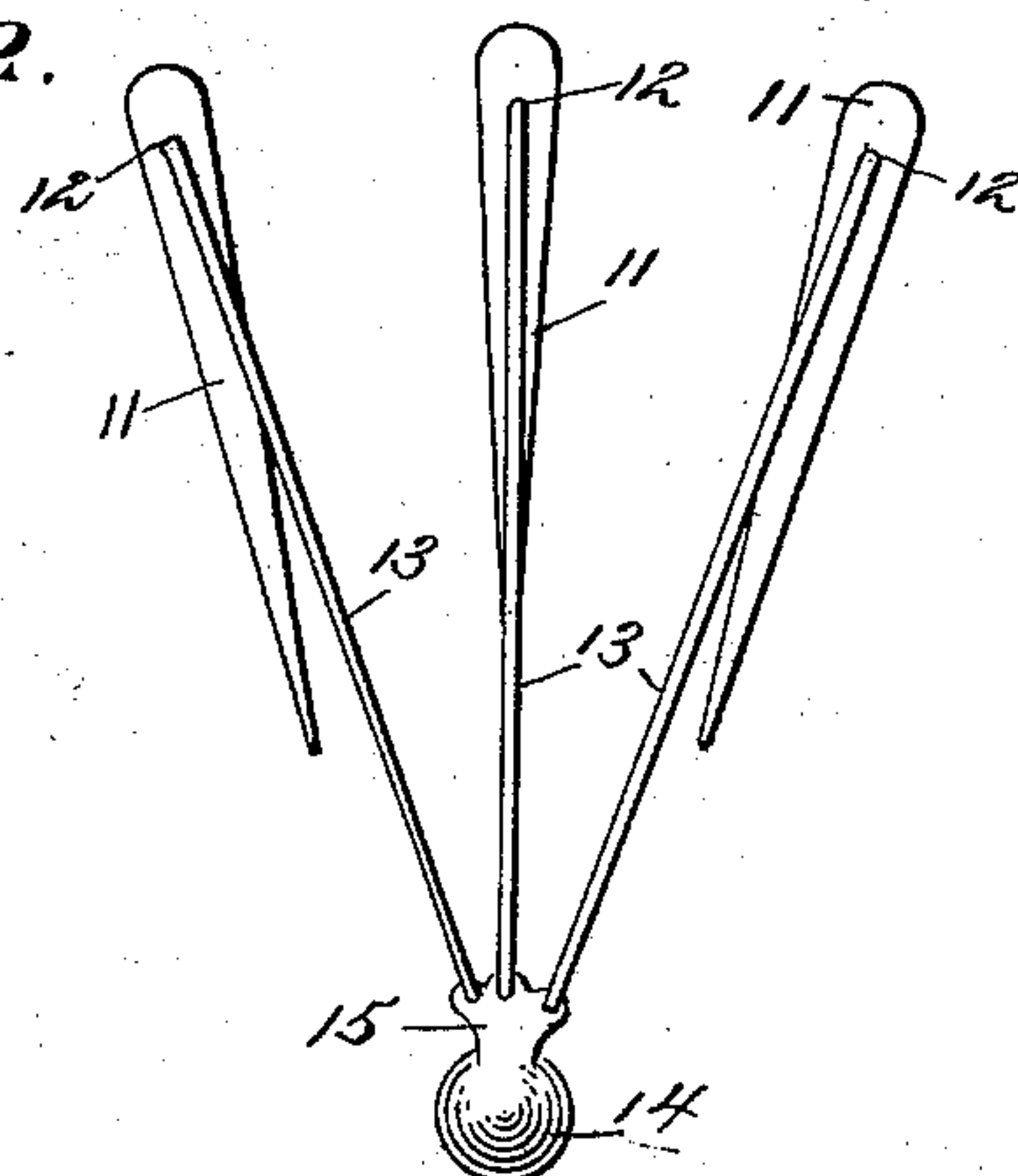
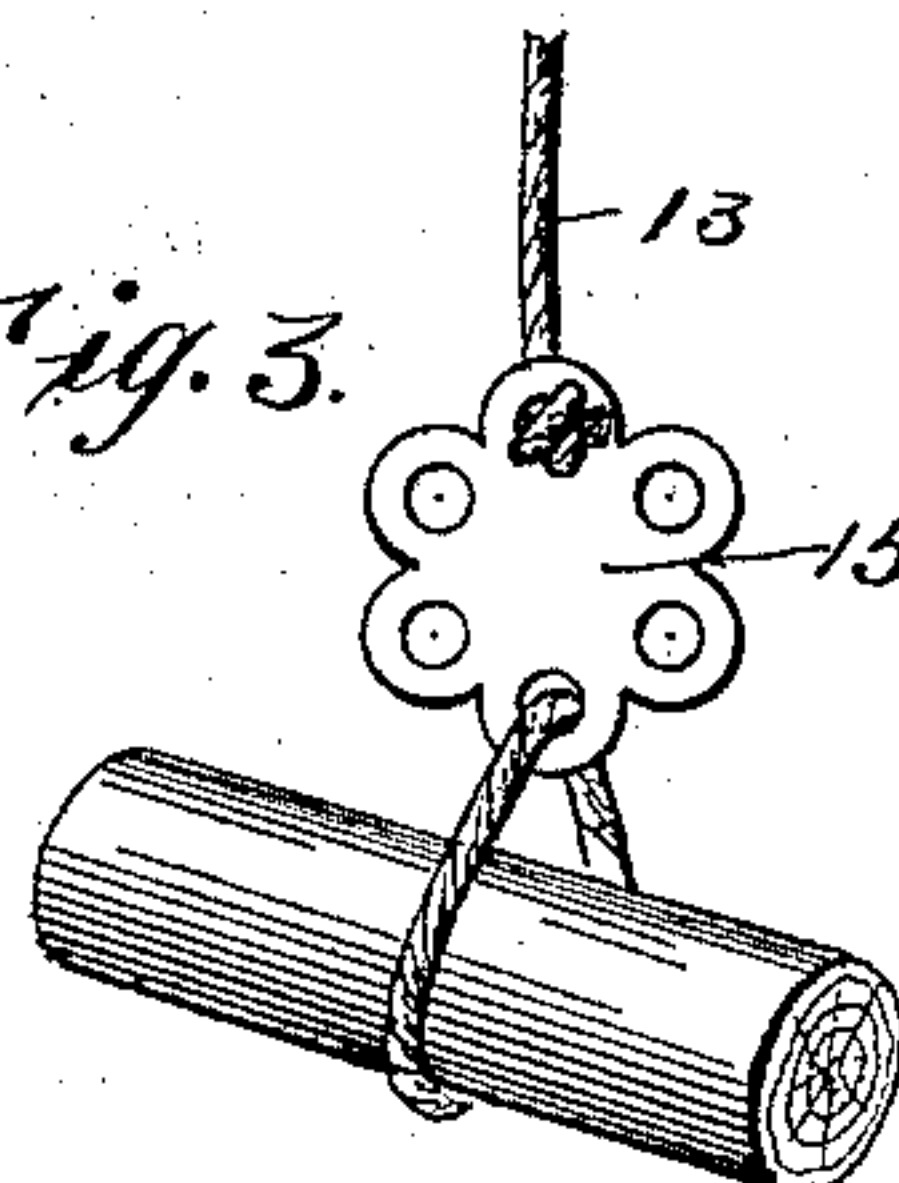


Fig. 3.



WITNESSES:

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WILLIAM L. MURDY, OF ALBIA, KANSAS.

STACK-FASTENER.

SPECIFICATION forming part of Letters Patent No. 409,857, dated August 27, 1889.

Application filed June 14, 1888. Serial No. 277,052. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM L. MURDY, of Albia, in the county of Washington and State of Kansas, have invented a new and improved Stack-Fastener, of which the following is a full, clear, and exact description.

My invention relates to a stack-fastener, and has for its object to prevent hay in bulk or in stacks from being scattered or destroyed and lost through the force of winds, storms, and gales, as frequently occurs, and wherein should the stack lean to one side it may be readily and effectually straightened.

The invention consists in the construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in both the views.

Figure 1 is a perspective view of a stack having my improvement attached, and Fig. 2 is an end view of the device detached. Fig. 3 shows the apertured plate and a separate weight suspended therefrom, a rope 13 being passed through one aperture and knotted to show one way of securing the rope to the plate.

In carrying out the invention I preferably build a stack in the form illustrated—that is, of greater length than width—but I desire it understood that I do not confine myself to this exact form.

In further carrying out the invention I provide a series of stakes 11, which stakes are preferably made to taper in the direction of their lower ends and are provided with apertures 12 near their upper ends. These stakes are adapted for insertion in the stack and are preferably arranged in a series of three parallel lines, as best shown in Fig. 1, any number of stakes being utilized to form a line. These several lines are located one centrally and longitudinally of the stack at the top and one at each side of and adjacent to the top; but if in practice it be found desirable auxiliary lines may be added below the outer

lines illustrated, in which case a greater number of ropes will have to be used and plates having a sufficient number of apertures be employed. The stakes having been placed in position, a rope 13 is passed through the apertures of each line of stakes, the extremities of the ropes being allowed to hang down at the ends of the stack.

A weight 14 is suspended from the ends of the several ropes at each end of the stack by means of an apertured plate 15, which may be cast integral with the weight, as shown in Figs. 1 and 2, or formed separate therefrom, as shown in Fig. 3. In either case an apertured weight-suspending and rope-connecting plate is formed. The stakes not only hold the ropes in place, but they prevent the outer layers of hay from being blown off or sliding from the stack. If one side of the stack should lean, to straighten the same it is simply necessary to shorten the rope upon the opposite side, whereupon the weight is carried away from the leaning side and the stack gradually straightens itself, and when straight the weight assumes a perpendicular position.

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

1. A stack-fastener comprising two plates 15, each having a series of apertures, stakes or pins adapted to be thrust into the stack and having eyes at their outer ends, and ropes to be thrown over the stack, passed through said eyes, and secured at their ends to said plates, substantially as set forth.

2. A stack-fastener comprising two or more series of steadying-stakes adapted to be thrust into the stack, having eyes or apertures at their outer ends, a rope passing through the eyes of each series, said ropes being all connected at their opposite ends to a single weight suspended thereby at each end of the stack, substantially as set forth.

WILLIAM L. MURDY.

Witnesses:

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