No. 761,318. PATENTED MAY 31, 1904.

S. J. McDONALD.

WIRE HARNESS FOR HAY OR OTHER STACKS.

APPLICATION FILED MAR. 22, 1904.

NO MODEL.

Fig. 1.

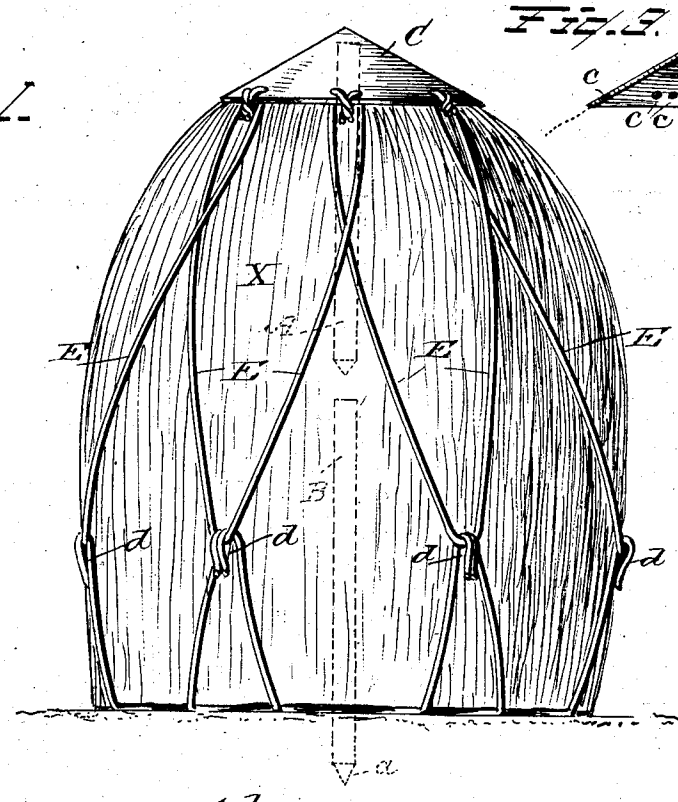


Fig. 3.

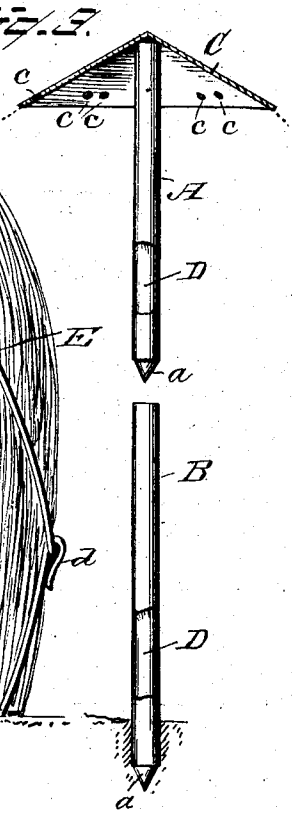
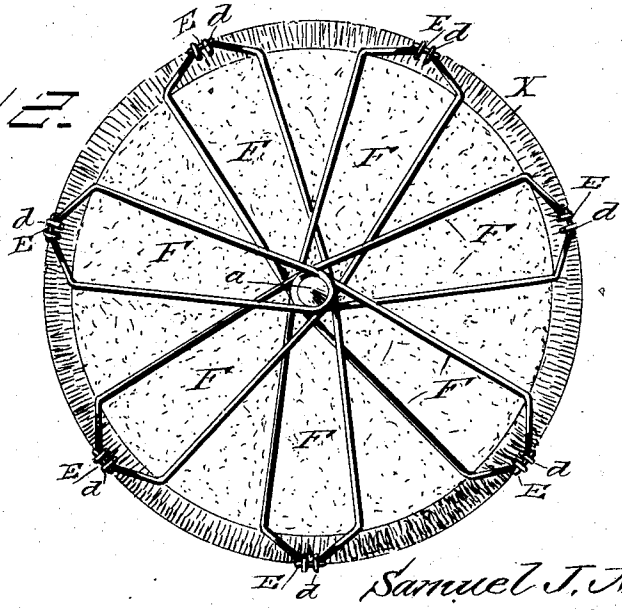


Fig. 2.



Witnesses

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No. 761,318. Patented May 31, 1904.

UNITED STATES PATENT OFFICE.

SAMUEL J. McDONALD, OF GALLATIN, MISSOURI.

WIRE HARNESS FOR HAY OR OTHER STACKS.

SPECIFICATION forming part of Letters Patent No. 761,318, dated May 31, 1904.

Application filed March 22, 1904. Serial No. 199,492. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL J. McDONALD, a citizen of the United States, residing at Gallatin, in the county of Daviess and State of Missouri, have invented certain new and useful Improvements in Wire Harness for Hay or other Stacks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has for its object to provide a wire harness to hold in an upright position stands or stacks of hay, fodder, wheat, barley, oats, and all class of grains that are stacked out of doors, whereby the same will be protected from wind-storms and enabling any slack in the harness to be taken up as the settling of the stack would require, thus providing a perfect harness that will effectively hold the stack in an upright position against the wind from any direction and can never sway to one side, but settle erect when the harness is applied thereto.

The invention consists in a wire harness for hay and other stacks constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a side elevation of a hay or other stack, showing my improved harness applied thereto. Fig. 2 is an under side plan view thereof; Fig. 3, a side elevation of the upright posts, showing the hood in section.

In the accompanying drawings, X represents a hay or other stack to illustrate the application of my improved harness thereto, and through the axial center of said stack are the upright posts A B, (shown in detail in Fig. 3 of the drawings,) and above the upper one of said posts is a protecting-hood C, which hood extends over the upper end of the stack. The posts A B may be of metal, wood, or other suitable material or may be tubular metal posts having a core D of wood of a length to extend below the lower end thereof, so that the projecting end may be sharpened, as shown at *a*, and as it wears the core may be forced down through the tubular post and again sharpened. The post B enters the ground any suitable distance, and the pointed end of the post A is inserted through the center of the stack on line with the lower post, the pointed end of the upper post enabling the post to be easily inserted through the hay or grain of the stack. The hood C is placed over the upper end of the stack and has perforations *c*, to which the ends of long wire loops E are secured, as shown in Fig. 1 of the drawings, the loops crossing each other to increase the tying strength of the harness and more perfectly binding the stack. Loops F engage the lower end of the post B and extend in a horizontal direction and radial thereto upon the under side of the stack, as shown in Fig. 2 of the drawings, which I term "guy-loops," and are of sufficient length to extend to the outer periphery of the stack and then extend upward to engage with the tie-loops E, as shown in Fig. 1 of the drawings. The guy-loops F after passing around the lower end of the post B extend to the periphery of the stack and upward to meet the tie-loops E. The free ends of each loop, as indicated at *d*, are bent over the tie-loops and drawn down tightly to take up any slack in said tie-loops, thereby completing a perfect harness for the stack and enabling any slack in the harness to be readily taken up through the medium of the guy-loops when found necessary by the settling of the stack. The hood C provides a means for attaching the ends of the tie-loops E and also holds the center post at top and provides a protecting-shield to prevent the water from running down center of stack around the post, said hood being of any suitable shape and size found best adapted to the purpose.

In constructing a harness as herein described it is evident that any number of tie and guy loops may be used and of any length and size to adapt the harness to the size of stack, and I wish it understood that the harness is susceptible to many changes or modifications without in any manner affecting the essential and important features of the invention.

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

1. A wire harness for hay and other stacks

comprising a suitable hood, tie-loops connected thereto and extending down over the stack, and guy-loops extending radially under the stack to the periphery or outer side thereof and upward and engaging with the tie-loops, said guy-loops adapted to draw the tie-loops tight around the stack as the same settles, substantially as and for the purpose set forth.

2. A wire harness for hay and other stacks comprising suitable posts extending axially through the stack, a suitable hood extending over the top of the stack, tie-loops engaging the hood and extending down and around the stack, and radial guy-loops engaging the lower one of the posts under the stack and extending out horizontally to the periphery or outer side thereof and upward and engaging the lower ends of the tie-loops by means of hooks whereby the slack in the tie-loops may be taken up when necessity requires substantially as and for the purpose described.

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

SAMUEL J. McDONALD.

Witnesses:
HENRY F. SMITH,
J. W. ALEXANDER.