

(No Model.)

J. BRADY.

HAY CAP.

No. 384,957.

Patented June 26, 1888.

Fig. 1.

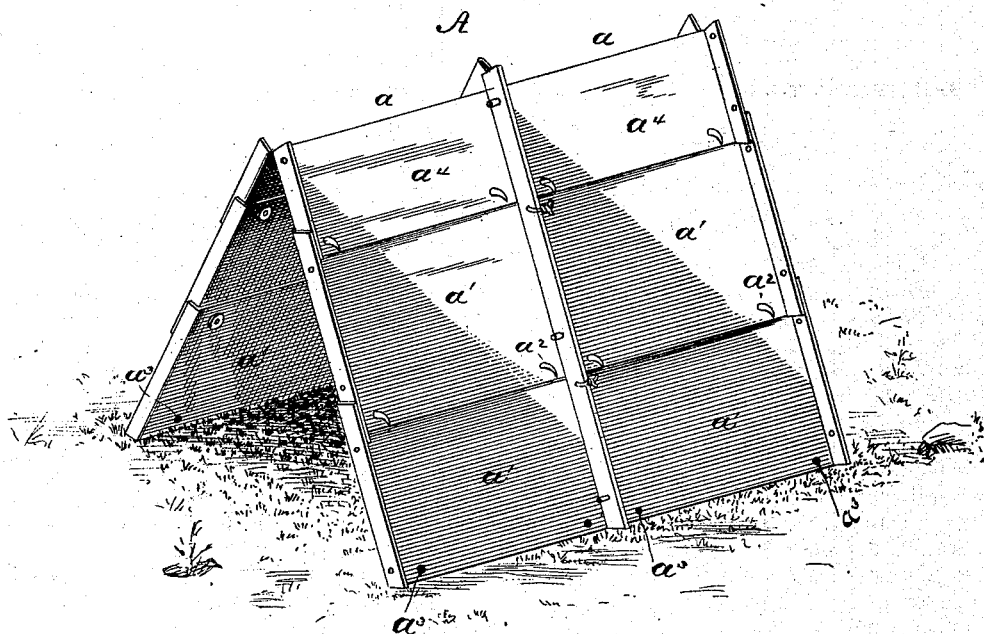


Fig. 2.

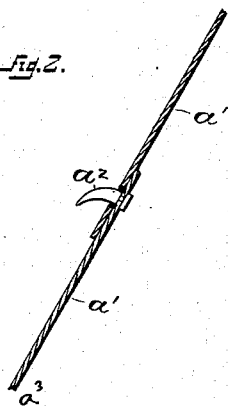


Fig. 3.

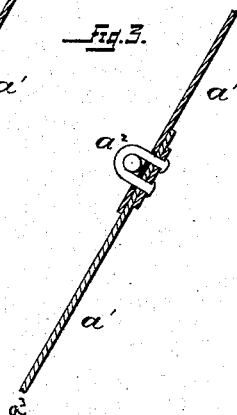


Fig. 4.

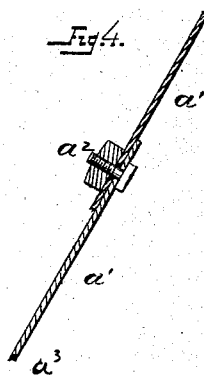


Fig. 5.



Witnesses:

W. W. Northmer
H. F. Wiley

Inventor :

James Brady,

by

A. G. Dyrenforth.

his Attorney.

UNITED STATES PATENT OFFICE.

JAMES BRADY, OF SONORA, ILLINOIS.

HAY-CAP.

SPECIFICATION forming part of Letters Patent No. 384,957, dated June 26, 1888.

Application filed March 29, 1887. Serial No. 232,857. (No model.)

To all whom it may concern:

Be it known that I, JAMES BRADY, a citizen of the United States, residing at Sonora, in the county of Hancock and State of Illinois, have invented certain new and useful Improvements in Roofing for Hay, Grain, &c.; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to roofing.

The object is to provide portable covering for hay, grain, or the like while in the stack, or for any material which may be subject to exposure in the field, which covering is designed to be easily and quickly put together, and at the same time to be simple and economical in construction.

The invention consists in a section of roofing to be fastened to an upper or overlapping section similarly constructed.

Furthermore, the invention consist in sections of roofing each provided near the upper edge with hooks, spikes, bolts, projections, or the like, whereby one section is secured to a similar upper overlapping section.

Furthermore, the invention consists in sections of roofing each provided near the upper edge with hooks, spikes, bolts, projections, or the like and near the lower edge with slots or perforations, whereby the hooks, bolts, or projections of one section are caused to engage with the slots or perforations of an overlapping section next above.

Furthermore, the invention consists in sections of roofing each having hooks, bolts, or projections near its upper edge and slots or perforations near its lower edge for the purpose of engaging the bolts, spikes, or projections at the section next below, the sides of the sections being flanged for the purpose of attachment to similar sections at either side.

Furthermore, the invention consists in a section of roofing bent at its center, its sides flanged for lateral connection to similar sections, the lower edges of the said bent section containing perforations or slots for attachment of lower depending sections; and, finally, the invention consists in various novel details of construction whereby the objects are attained.

In the accompanying drawings, in which like

letters of reference indicate corresponding parts, I have illustrated a series of sections of portable roofing constructed and joined in accordance with my invention.

In the drawings, Figure 1 is a perspective view of two divisions of roofing, showing the section connected by retaining-hooks. Fig. 2 is a detail sectional view of the fastening employed in Fig. 1. Fig. 3 is an additional sectional view of two sections joined by a staple and pin, and Fig. 4 is a detail sectional view of two sections joined by means of retaining bolt and nut. Fig. 5 is a sectional view illustrating how the sections are secured together.

A represents the covering or roofing, which consists of the divisions a a' , each of which is composed of a series of inclined plates or sections joined at their upper and lower ends, the lower end of an upper section overlapping the upper end of the section below it, in order more efficiently to enable the roofing to shed water. The sections a' are rectangular in form, and may be constructed of any suitable material, but preferably of tin, each section being provided near its upper edge with two or more hooks, bolts, or projections, a^2 , secured in it in any preferred manner. Near its lower edge each section is provided with slots or perforations a^3 , which, when the sections are placed in position for attachment, register with the hooks or projections in the upper edge of the section immediately below it, thus forming ready and simple means of connection. The outer edges of each section are turned upward, forming a flange, by means of which several series of sections or divisions can be laterally attached to each other, thereby enabling the formation of a covering of any desired breadth. The flanges are here shown connected by an inclosing-cap held thereon by wires and pins passing through perforations in the sides of both the cap and the flanges, the ends of the wires being twisted to prevent accidental displacement; but it is obvious that various means of attachment of these flanges may be employed.

In order to make a close juncture of the tops of the two sides of the roofing, an angular top or cap piece, a^4 , is employed, which cap-piece is bent downward, forming inclined sides and having plates or perforations near the lower

end of each of these sides for the application of the hooks in the next lower sections. This angular cap-piece has also side flanges for lateral attachment to similar cap-pieces of adjoining divisions.

5 In the modification shown in Fig. 3 of the drawings I employ a staple to secure the leaves or sections together, the said staple having its ends passed through the overlapping edges of the sections and also through a plate on the inside, with its ends beaten down on the plate, and a pin being passed through the opening provided by the staple on the outside, which secures the overlapping edges of the sections or leaves firmly together. In the modification shown in Fig. 4 I employ a nut and bolt for the purpose of securing the sections together, the bolt passing through the overlapping edges of said sections with its threaded end on the outside of the sections to receive a nut.

20 I do not wish to limit myself to the forms of attachment here shown between the upper and lower sections, as any device may be employed for that purpose.

25 The device is especially adapted for covering stacks of hay or grain left in the field and preventing injury thereto by wind or rain, although its utility as housing for various purposes is obvious.

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

1. A hay-cap comprising a section or sections of roofing bent to form inclined sides, said section constituting the apex of the cap and having the side edges provided with vertical flanges to allow lateral attachment of other similar sections thereto, substantially as described.

40 2. A hay-cap comprising a section of roofing bent to form inclined sides, said section

constituting the apex of the cap and having the side edges vertically flanged to permit lateral attachment thereto of other like sections, and the lower edges overlapping other plain flat sections attached to the lower edge of the first section, the side edge of said plain flat sections being also provided with vertical flanges to permit the lateral attachment of like sections, substantially as described.

3. A hay-cap comprising a section of roofing bent to form inclined sides, said section constituting the apex of the cap and having side edges vertically flanged to permit lateral attachment of other like sections, and lower edges overlapping other plain flat sections attached to the lower edge of the first section, the side edges also being provided with vertical flanges to permit the lateral attachment of like sections, and an inclosing-cap to fit over the lateral flanges of the sections, substantially as described.

4. A hay-cap comprising a section of roofing bent to form inclined sides, said section constituting the apex of the cap and having side edges vertically flanged to permit lateral attachment of other like sections, and lower edges overlapping other plain flat sections attached to the lower edge of the first section, the cap and the said flat sections being secured together by means of hooks, nuts, and bolts, staples, or the like passed through the overlapping portions of the cap and flat sections, and an inclosing-cap to fit over the lateral flanges of the sections, substantially as described.

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

JAMES BRADY.

Witnesses:

AUGUSTUS BROWNLEE,
CHARLES F. HEHERN.