(No Model.)

C. W. BAKER.

HAY BINDER.

No. 379,555 Patented Mar. 20, 1888.

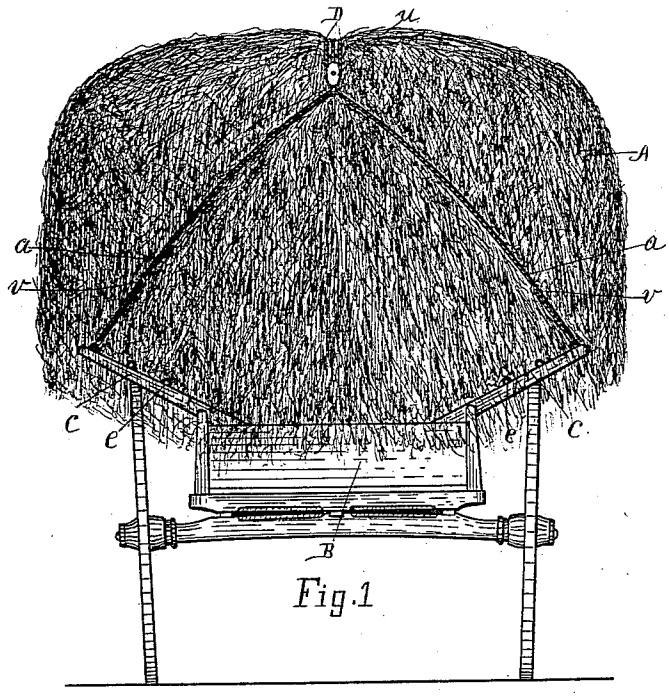


Fig. 1

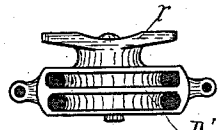


Fig. 3

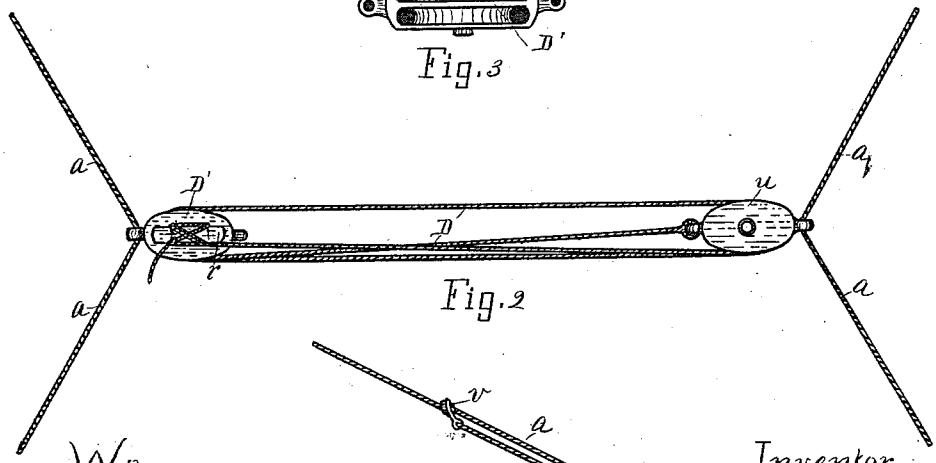


Fig. 2

Fig. 4

Witnesses.
John C. Perkins.
Arthur Pierson.

Inventor.
Chas. W. Baker.
By Lucius C. West.
Atty.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

CHARLES W. BAKER, OF WAVERLY, MICHIGAN.

HAY-BINDER.

SPECIFICATION forming part of Letters Patent No. 379,555, dated March 20, 1888.

Application filed July 19, 1887. Serial No. 244,727. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. BAKER, a citizen of the United States, residing at Waverly, (Paw Paw P. O.,) county of Van Buren, State of Michigan, have invented a new and useful Hay-Binder, of which the following is a specification.

This invention has for its object the apparatus substantially as below described and claimed, in combination with a hay-rack for binding a load of hay and the like.

In the drawings forming a part of this specification, Figure 1 is a rear elevation; Fig. 2, a plan; Fig. 3, a lettered detail enlarged; and Fig. 4 shows broken details enlarged from Fig. 1.

Referring to the letters of reference marked on the drawings, B is the body of the rack, and *c c* are the obliquely-angled sides of the rack. Fixed at suitable locations on the rack are loops or eyes *e*, preferably a series of them on each side at the ends, and, if desired, at the center on each side. The end ropes, *a*, are attached to these eyes, Figs. 1 and 4. The ropes *a* have a metal eye in the end, as at *v*, by which means the ropes are lengthened and shortened in accordance with the size of the load A. The ends of these ropes are attached to any desired eye *e*, in accordance with the width of the load. As here shown, a rope *a* is employed at each end of the load; but they may be used at the sides, either conjointly with like ropes at the ends or at each of the four corners, as desired.

Centrally attached to the ropes *a* are pulleys *u* D′. D is a binding-rope folded around these pulleys, one end being attached to pulley *u* and the other end tied around the flanged head *r* of the pulley D′. By drawing on this rope D the ropes *a* are drawn tight against the ends of the load, or against the sides and corners, as the case may be, and the rope D forms a top binder to the load. Such an apparatus will be found useful in hauling hay over rough land, and to market as well.

Having thus described my invention, what I claim is—

The rack having the eyes, the ropes provided with the eyes at the ends, the pulleys, one having a flanged head and the binding-rope attached to one pulley at one end and the other end detachably fastened to the said flanged head, substantially as set forth.

In testimony of the foregoing I have hereunto subscribed my name in presence of two witnesses.

CHARLES W. BAKER.

Witnesses:

SAMUEL HOLMES,

C. W. YOUNG.