

(No Model.)

A. P. BOYER.

HAY SLING.

No. 348,950.

Patented Sept. 14, 1886.

Fig. 1.

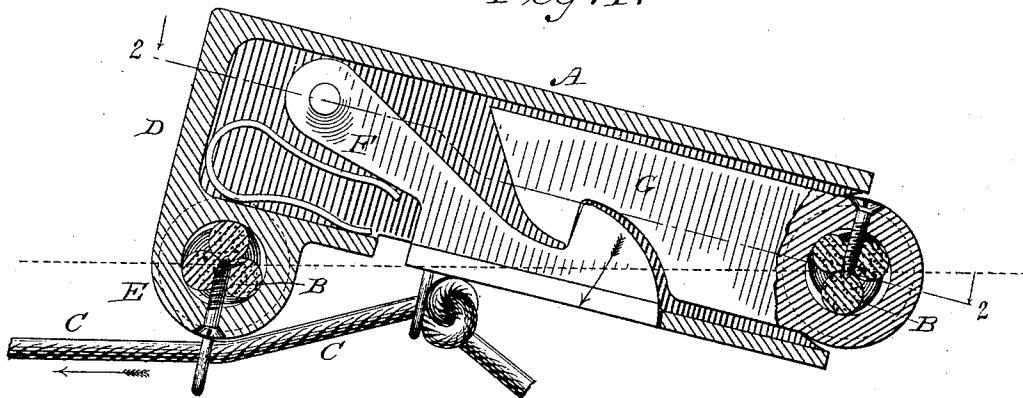
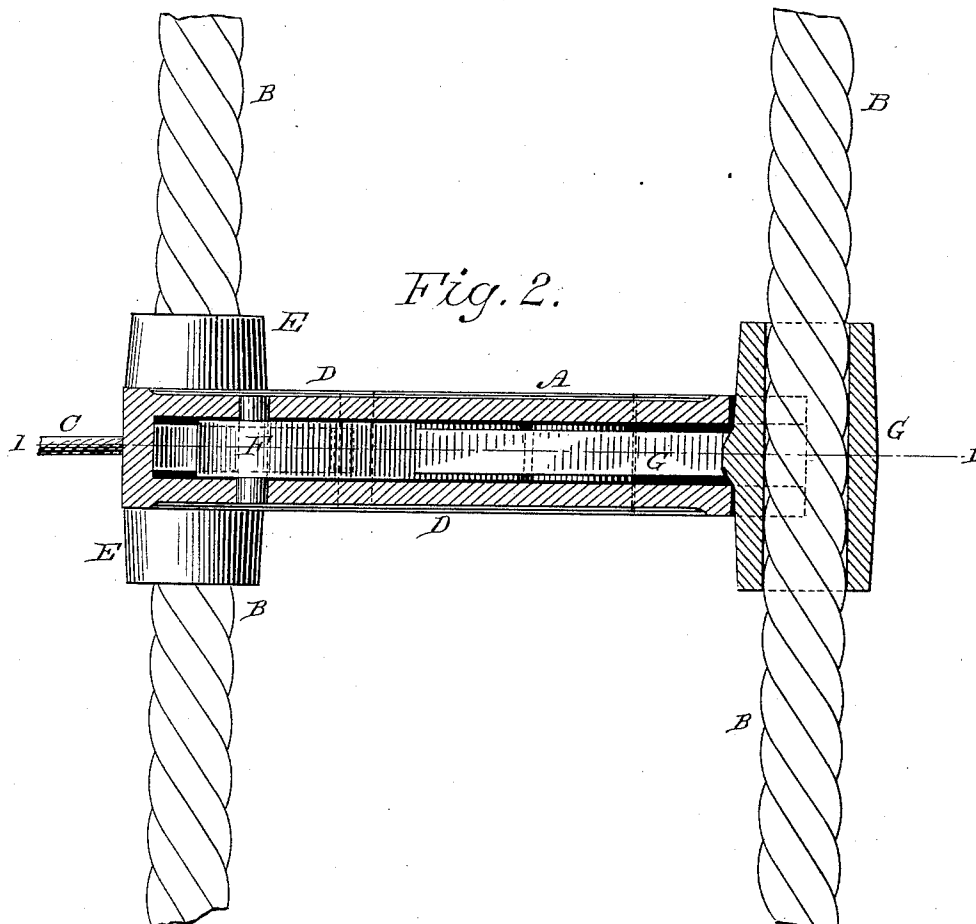


Fig. 2.



WITNESSES

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ALLEN P. BOYER, OF JONES, MICHIGAN.

HAY-SLING.

SPECIFICATION forming part of Letters Patent No. 348,950, dated September 14, 1886.

Application filed March 20, 1886. Serial No. 195,923. (No model.)

To all whom it may concern:

Be it known that I, ALLEN P. BOYER, of Jones, in the county of Cass and State of Michigan, have invented certain new and useful Improvements in Hay-Slings or Devices for Unloading Hay, of which the following is a specification, reference being had to the accompanying drawings.

My improvements relate to that class of hay-slings shown and described in United States Patent No. 280,159. I will therefore only describe so much of a hay-sling as is necessary to show my improvements, which relate merely to a tripping device.

In the drawings, Figure 1 is a longitudinal central section on the line 1 1 of Fig. 2; and Fig. 2 is a longitudinal section on the line 2 2 of Fig. 1, taken at right angles with the section shown in Fig. 1.

Referring to the letters upon the drawings, A represents a casting, B the lifting-ropes, and C the trip. This casting is divided into three parts, to two of which the lifting-ropes are applied, as illustrated, the third being a pivoted spring-latch, to which the trip-rope is applied.

Referring to the details in this casting, D indicates the main part of the casting, which is hollow and provided at one side and one end, as illustrated, with a hollow cylinder or lifting-rope holder, E. The object of placing this lifting-rope holder in the position shown is that the trip-rope may be drawn under it, and thus cause the rope to operate upon the

latch at such an angle that it will more readily pull the latch open. When the hay-sling is holding up a bundle of hay, the casting will occupy the inclined position shown in the drawings, and the trip-rope also be substantially as shown in position to act effectively for unlatching.

F indicates the spring-latch, working within the hollow casting D.

G indicates the sliding latch-bolt, provided with a hollow cylindrical lifting-rope holder, as shown.

The operation of the device is as usual. The lifting-ropes being supposed to suspend a bunch of hay over where it is desired to deliver it, the trip-rope is then pulled, which will cause the latch to unlatch and release the sliding latch-bolt, which will result in dropping the bundle of hay.

Having thus described my improvements, what I claim to be new, and desire to secure by Letters Patent of the United States, is—

The combination of the hollow casting D, provided with a rope-holder at one end, as shown, the spring-latch F, and the sliding latch-bolt G, with its cylindrical rope-holder, substantially as set forth.

In testimony whereof I have hereunto subscribed my name.

ALLEN P. BOYER.

Witnesses:

S. L. COYLE,

MARY J. BLAKLEY.