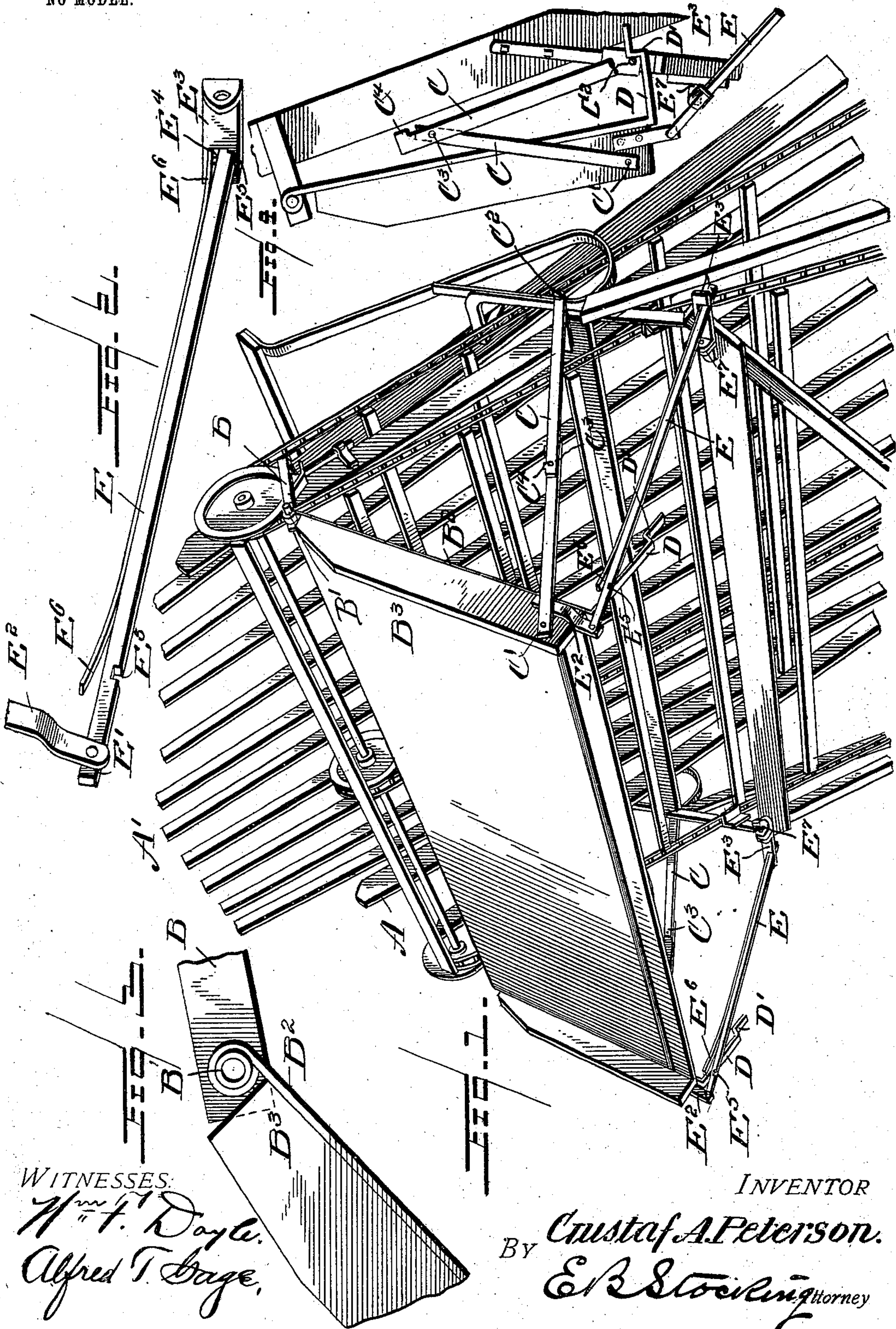


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G. A. PETERSON.
WIND SHIELD FOR HAY LOADERS.
APPLICATION FILED JAN. 13, 1903.

NO MODEL.



WITNESSES:

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GUSTAF A. PETERSON, OF SYCAMORE, ILLINOIS.

WIND-SHIELD FOR HAY-LOADERS.

SPECIFICATION forming part of Letters Patent No. 726,746, dated April 28, 1903.

Application filed January 13, 1903. Serial No. 138,890. (No model.)

To all whom it may concern:

Be it known that I, GUSTAF A. PETERSON, a citizen of the United States, residing at Sycamore, in the county of Dekalb, State of Illinois, have invented certain new and useful Improvements in Wind-Shields for Hay-Loaders, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to a wind-shield for hay-loaders, and particularly to a pivoted device at the delivery end of the loader.

The invention has for an object to provide supporting means for holding the wind-shield or board in an extended position at the upper end of a hay-loader, so as to protect the hay thereon from the action of the wind, which would blow it from the loader, and also to provide a directing-board for discharging the hay into the proper position upon the wagon being loaded.

20 A further object of the invention is to provide means for retaining this board in a pivoted position against the under side of the loader, so that it is completely out of the way and protected from injury.

Other and further objects and advantages of the invention will be hereinafter set forth and the novel features thereof defined by the appended claims.

30 In the drawings, Figure 1 is a perspective of the invention, showing the board in position for use upon a hay-loader; Fig. 2, a detail perspective of one of the braces for the board; Fig. 3, a detail end elevation of the manner of pivoting the board, and Fig. 4 a similar view of the board folded against the loader.

40 Like letters of reference refer to like parts in the several figures of the drawings.

The letter A designates a hay-loader, which may be of any desired construction and adapted to discharge the hay at its upper end A', so as to form a stack or be loaded upon a wagon located adjacent thereto. At the upper end of this loader a pivoting-lug B is secured at each side thereof and provided with an aperture at its free end, through which a tubular pivoting-rod B' extends, as shown in 45 Fig. 3, and upon the ends of this rod a strap B², secured to the board or wind-shield B³ is curved to form a hinge, adapted to support

the board throughout its length in the most desired manner. For the purpose of supporting this board in the position shown in 55 Fig. 1 to form a wind-shield and also a guide to the hay being loaded a hinged support C is provided and is composed of two members, one of which is pivoted at C' to the board and the other upon the pin C² to the frame of the loader, while the meeting ends of these members are pivoted together at C³ and provided with stop-lugs C⁴ to limit their downward direction, yet permit a free upward movement 60 into the position shown in Fig. 4. It will be seen that the joint of this support can be easily broken by an upward pressure to close the shield against the loader.

For the purpose of holding the board in its folded position (shown in Fig. 4) a latch D 70 has been provided at the free end of the board and is preferably formed of spring material, having the shoulder D' to engage behind the pin or suitable projection C² on the frame of the loader.

75 Under many conditions it is found desirable to use a brace in addition to the support, and a preferred construction thereof is shown in detail in Fig. 2, where the bar E is pivotally connected at its end E' to the free end of the board by means of a strap E², secured to the board, while its opposite end is adapted to pass through a slotted holder E³, secured to a fixed portion of the frame of the loader. The slot E⁴ in this holder is of sufficient size 85 to permit the bar E to pass freely there-through, while said bar is provided at its opposite ends with notches E⁵ upon one face and a spring E⁶ upon the opposite face, having its ends free adjacent to the slots E⁵, so as to bear against one wall of the slot E⁴ and cause the wall of the notches E⁵ to engage the opposite wall of the slot, thus providing a solid brace for the wind-shield when the same is found necessary. In order to permit 95 the bar passing through the holder E³ to assume the necessary inclination incident to the folding of the shield, this holder is pivotally secured to a lug E⁷, carried by the loader, so that it may oscillate thereon, as may be found necessary, and prevent any breakage of the parts in the folding of the shield.

100 In the operation of the invention the wind-

shield is lifted into the position shown in Fig. 1 and there supported, so as to protect the upper end of the loader above the wagon-body from the action of the wind, which frequently blows the hay from the inclined surface of the loader, thus causing a very serious objection to the operation thereof and failing to raise the desired amount of hay for loading the wagon. At the beginning of the loading this shield also keeps the hay from falling between the hay-loader and the ground, and when closed the shield prevents the hay from being drawn back by the carrier-slats of the loader. The shield also enables the operator in loading the wagon to build up the load square at the rear thereof as well as at the front, as when the hay reaches the shield it can be folded against the loader and the loading operation continued. It will be seen that the construction of hinged support permits the ready opening into position of the shield, while the brace also facilitates this operation as soon as the spring-latch is released from the loader and when the weight of the shield renders necessary, this brace relieves the support of the strain caused by the hay falling upon the shield.

It will be obvious that the invention can be applied to any character of hay-loader and that changes may be made in the details of construction and configuration without departing from the spirit of the invention as defined by the appended claims.

Having described my invention and set forth its merits, what I claim, and desire to secure by Letters Patent, is—

1. A wind-shield for hay-loaders comprising a shield pivoted at the upper portion of

the loader, a support therefor composed of independent members pivoted together at their meeting ends and pivoted to the shield and loader at their opposite ends, and a spring-latch carried by the free end of the shield and adapted to engage a portion of the loader when the shield is folded; substantially as specified.

2. A wind-shield for hay-loaders comprising a shield pivoted at the upper portion of the loader, a support therefor composed of independent members pivoted together at their meeting ends and pivoted to the shield and loader at their opposite ends, a spring-latch carried by the free end of the shield and adapted to engage a portion of the loader when the shield is folded, a brace pivoted to the free end of the shield and comprising a bar adapted to pass through an apertured holder and to be connected therewith; substantially as specified.

3. In a wind-shield for hay-loaders, a shield pivoted at the upper end of the loader, a pivoting-strap at the free end of the shield, a bar pivoted to said strap and notched upon its under face at opposite ends, a leaf-spring upon the upper face of said bar having a free end above the notch therein, and an apertured holder to engage said notches carried by a fixed portion of the loader through which said bar and the free end of the spring passes; substantially as specified.

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

GUSTAF A. PETERSON.

Witnesses:

H. A. JONES,
H. T. SMITH.