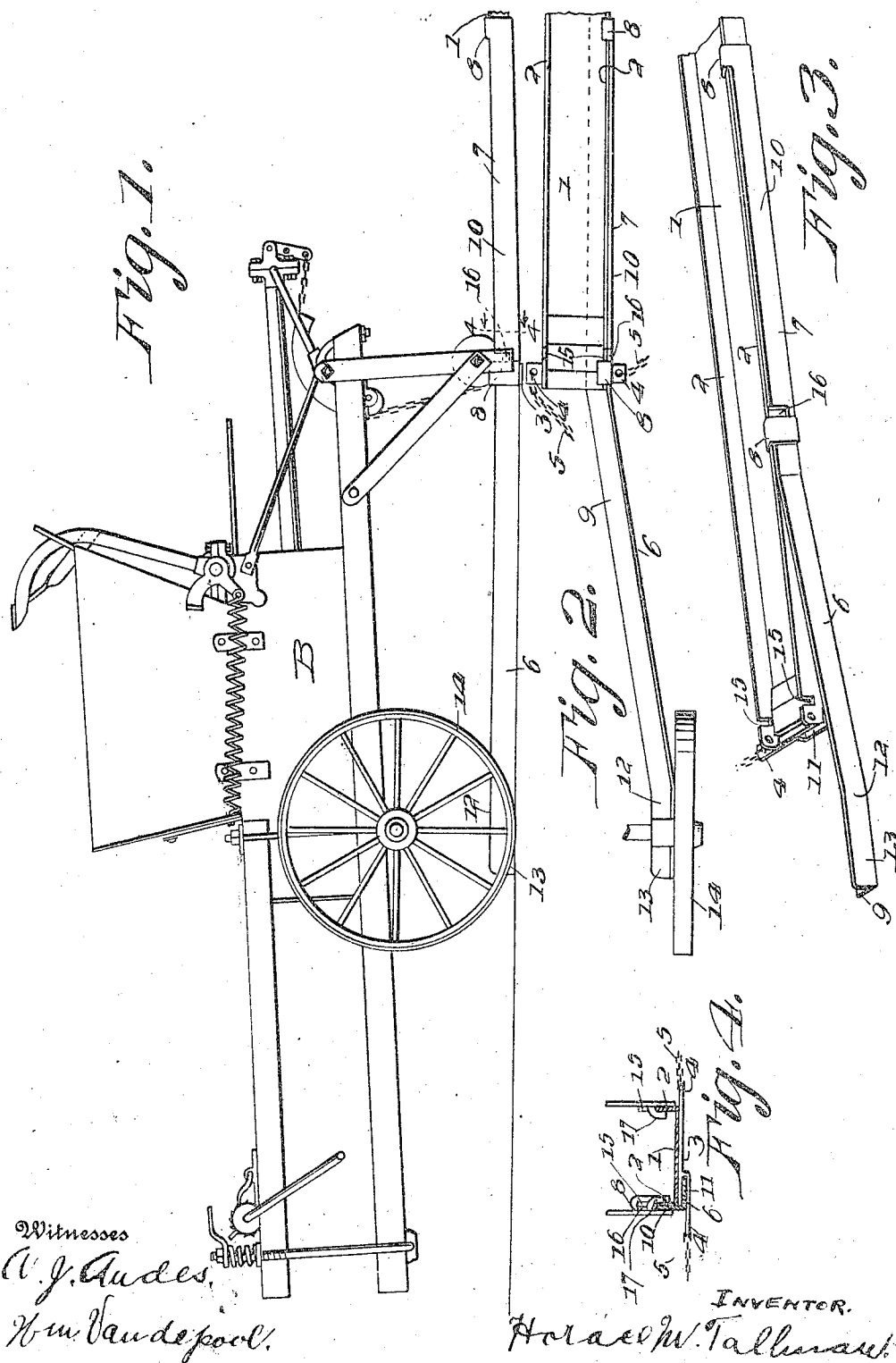


H. M. TALLMAN.
SILL BRACE FOR BALING PRESSES.
APPLICATION FILED OCT. 7, 1911.

1,053,071.

Patented Feb. 11, 1913.



Witnesses
A. J. Audes,
H. M. Van de Pool.

INVENTOR.
H. M. Tallman.

UNITED STATES PATENT OFFICE.

HORACE M. TALLMAN, OF SHELBYVILLE, ILLINOIS.

SILL-BRACE FOR BALING-PRESSES.

1,053,071.

Specification of Letters Patent. Patented Feb. 11, 1913.

Application filed October 7, 1911. Serial No. 653,426.

To all whom it may concern:

Be it known that I, HORACE M. TALLMAN, a citizen of the United States, residing at Shelbyville, in the county of Shelby and State of Illinois, have invented certain new and useful Improvements in Sill-Braces for Baling-Presses, of which the following is a specification, reference being had therein to the accompanying drawings.

10 The present invention relates to improvements in a sill brace for baling presses, and the primary object of the invention is the provision of a brace adapted to be attached to the sill of a baling press and extend back
15 under the baling chamber of the press, and have its rear free end disposed outwardly and parallel with and to engage the inside of one of the wheels at the baling chamber end of the press, the said brace thus supporting the sill and holding it in line, thus dispensing with stakes generally employed to stake the sill and hold it in place.

A further object of the invention is the provision of a brace so mounted and constructed as to support the sill and brace the same against torsion, said brace being connected to the baling chamber end of the baling press so that its free end, due to the strain thrown upon the sill during the operation of the power link of the press will be properly braced and held without the use of driven stakes.

In the drawings:—Figure 1 is a side elevation of a baling press with the sill brace in use. Fig. 2 is a top view illustrating the use of the brace. Fig. 3 is a view showing the sill when not in use and the press telescoped. Fig. 4 is a cross-section taken on the line 4—4 of Fig. 1.

40 Referring to the drawings, the numeral 1 designates the sill of a baling press, which in the present instance is a channel plate having the two parallel edges or rims 2, and the supporting cross-piece 3, which is connected to the underside thereof at the baling chamber end of the press. The ends 4, of said cross piece extend beyond the sides of the sill and have attached thereto the sill supporting chains 5, whereby the sill is supported in telescoped or collapsed position when the press is being transported.

55 Connected slidably to one edge 2 and also to the bottom of the sill at the baling chamber end thereof is the brace 6, which as shown is formed of a single piece of sheet metal L-shaped in cross-section, and pro-

vided with the straight portion 7, having the two rim engaging lips or flanges 8, which when the brace is attached to the sill slidably fit over the edge of the sill so that the base 9, of the brace will fit below and against the bottom of the sill, while the side 10 of the brace will fit and be held against the outer face of one of the edges 2 of the sill, the space 11, formed between one terminal of the cross piece 3, also providing a receptacle for the base 9 of the brace. Thus the brace is slidably supported upon the proper side of the sill, and when in use, with the sill resting upon the ground, the long terminals 12 of the brace will be projected below the baling chamber B, so that the short straight portion 13 thereof will engage the inner side of the right hand rear wheel 14, of the press, and at its engagement with the ground, thus bracing the sill against the said wheel, and also against the torsion thrown thereupon during the operation of the power mechanism of the press.

In order to lock the brace against sliding movement when in use, a slot 15 is formed in the rim 2, upon which the brace is mounted to correspond with the slot 16 of the brace, a pin or lug 17 carried by the baling chamber end of the press entering both slots from above and thus locking the brace relatively to the sill.

From the foregoing description taken in connection with the drawings, it is evident by constructing a sill brace as herein shown and described, that the same will properly brace the sill when in use, that the brace can be readily placed into or out of bracing position, and that by reason of the sliding connection of the brace with the sill the same may be moved to occupy a small space during transportation. Further when said brace is in bracing position it is placed under the baling chamber and out of the way, yet in the very best possible position to brace the sill.

What is claimed, is:—

1. The combination with a baling press, of a sill brace projecting rearwardly and outwardly from the rear end of the sill of the press to engage the ground and the portion of one of the rear wheels at its junction with the ground.

2. The combination with a baling press, of a sill brace connected to the sill and extending rearwardly below the baling chamber of the press, its free end being disposed

to rest upon the ground and engage one of the rear wheels.

3. The combination with a baling press, of a sill brace connected to the sill and mounted for movement upon the sill and below the baling chamber.

4. The combination with a baling press having a sill with upstanding edges, of a brace for the sill, L-shaped in cross-section, and slidably connected to one rim of the sill, one terminal of said brace being positioned to extend below the baling chamber when in bracing position.

5. The combination with a baling press, having a baling chamber mounted upon wheels, and a sill, of a brace for the sill connected to the sill and adapted to extend below the baling chamber and rest against the inner side of one wheel and upon the ground.

6. A brace for a baling press sill; comprising a single piece of material having one end to engage the sill and the other end to engage the ground and a wheel of the baling press at the junction of the wheel with the ground.

7. A sill brace for a baling press, comprising a single piece of material having a straight portion to slidably engage the sill of a baling press, and an outwardly bent terminal terminating in a straight end to engage the inside of one wheel of the press at the junction of the wheel to the ground.

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

HORACE M. TALLMAN.

Witnesses:

WM. VANDERPOOL,
A. J. ANDES.