

W. G. HUDSPETH.

Supporting-Bails for the Adjustable Elevators in
Harvesters.

No. 148,612.

Patented March 17, 1874.

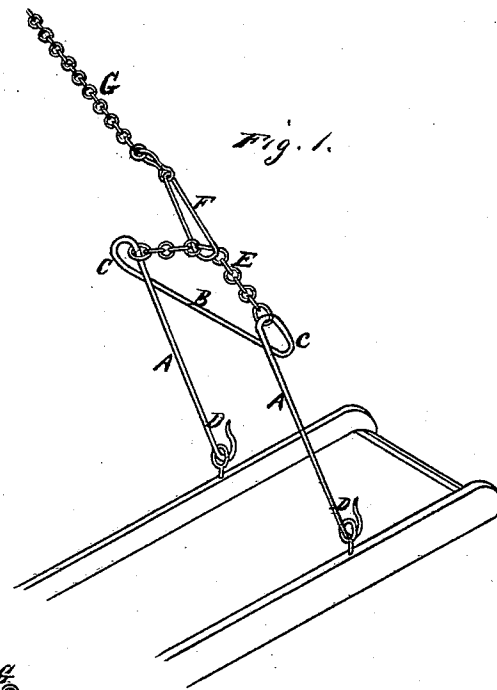


Fig. 1.

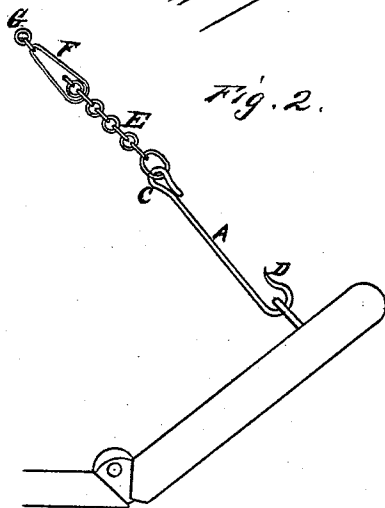


Fig. 2.

Witnesses

Geo. H. Strong
C. Milton Richardson

Wm. G. Hudspeth
By his Atty's
Dewey & Co.

UNITED STATES PATENT OFFICE

WILLIAM G. HUDSPETH, OF SANTA ROSA, CALIFORNIA.

IMPROVEMENT IN SUPPORTING-BAILS FOR THE ADJUSTABLE ELEVATORS IN HARVESTERS.

Specification forming part of Letters Patent No. **148,612**, dated March 17, 1874; application filed November 28, 1873.

To all whom it may concern:

Be it known that I, WILLIAM G. HUDSPETH, of Santa Rosa, Sonoma county, State of California, have invented a Supporting-Bail for the Inclined Spout of Headers; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention without further invention or experiment.

My invention relates to an improvement in the bails which are attached to the inclined spout of headers, and to which a rope or chain is attached, passing thence to some part of the machine, where it is made fast, thus serving to support the spout. These bails are ordinarily made curving like a pot-bail, and the rope is secured near their center. As this rope is carried back at an inclination to the spout, the latter is not at all times equally supported.

My invention contemplates the use of a bail which is constructed with two parallel sides, having supporting-hooks at their lower ends. The upper ends are united by a cross-bar, which is formed in the same piece with the sides, and so as to leave an eye at each corner for the attaching of a chain to pass from one to the other. A link encircles this chain, and to this link the supporting chain or rope is made fast, the link being free to move from side to side between the eyes.

Referring to the accompanying drawings for a more complete explanation of my invention, Figure 1 is a perspective view of my device as attached. Fig. 2 is a side elevation.

A A are the two parallel side pieces of my bail. These sides and the cross-bar B are

formed in one piece, so bent as to make the eyes *c c* at each of the angles at the top. The sides are at a distance apart equal to the width of the spout, and are provided with hooks D D at the bottom, by which to attach to the sides of the spout by eyebolts or otherwise.

Between the eyes or loops *c c* a short chain, E, extends, and an elongated link, F, clasps this chain loosely, so that it can slide from end to end. The supporting rope or chain G is secured to this link, and passes over the usual pulley, and thence to its point of attachment.

The operation will be as follows: The bail, being attached to the spout, will support each side equally, and thus regulate the strain upon it as the weight shifts. As the machine moves over the ground, and the spout takes various positions and angles, it is manifest that the elongated link F will slip from side to side upon the chain E, and thus transfer the support of the chain G more or less directly over the point where it is most needed.

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

1. The bail consisting of the parallel side pieces A, with the cross-bar B, and provided with the eyes *c*, substantially as and for the purpose herein described.

2. In combination with the bail A A B C, as shown, the chains E, link F, and the supporting-chain G, substantially as and for the purpose herein described.

In witness whereof I hereunto set my hand and seal.

WILLIAM GIELS HUDSPETH. [L. s.]

Witnesses:

GEO. H. STRONG,

C. MILTON RICHARDSON.