



# United States Patent Office.

DANIEL EDELMAN AND AMOS EDELMAN, OF MADISON, INDIANA.

Letters Patent No. 99,766, dated February 15, 1870.

## IMPROVEMENT IN HAY-DRAGS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that we, DANIEL EDELMAN and AMOS EDELMAN, both of Madison, in the county of Jefferson, and State of Indiana, have invented an Improved Hay-Drage; and we do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification, the figure being a perspective view of the same.

The features of novelty in this invention consist of the looseness of each articulated point, for the purpose of allowing the runners and the dragging bottom to accommodate themselves to the inequalities of the ground, and thus prevent any jar liable to upset the load of hay, and the arrangement and construction of the loose dragging bottom and adjustable standards.

Another desirable feature of our invention is its extreme cheapness and simplicity, combined with durability and utility.

Let A A represent runners, provided with a double set of sockets, *a a*, for standards B B.

These runners are tied together at the front end only by the cross-bar D, attached loosely to the said runners by means of pins E E.

To this cross-bar are attached the bottom boards C. One only is shown, though more may be used.

The attachment of these boards to the bar, so that they are loose enough to play up and down as they drag over the ground, is necessary to the proper working of the machine. Otherwise they may be attached in any ordinary way.

Hooks *b b* are provided for draft purposes. In operation, the hay is pitched on to the drag and hauled to the point required. The standards are then withdrawn, and the drag drawn from under the hay.

Having thus described our invention,

What we claim, is—

A hay-drag, composed of the runners A A, standards B B, bar D, pins E E, and dragging bottom C, loosely articulated, in the manner and for the purposes substantially as specified.

Witness our hands to this specification this 30th day of June, 1869.

DANIEL EDELMAN.  
AMOS EDELMAN.

Witnesses:

HENRY CONNETE, Jr.,  
JOHN W. HINDS.