G. H. SMITH.
Hay-Truck.

No. 215,175. Patented May 6, 1879.

Fig. 1.

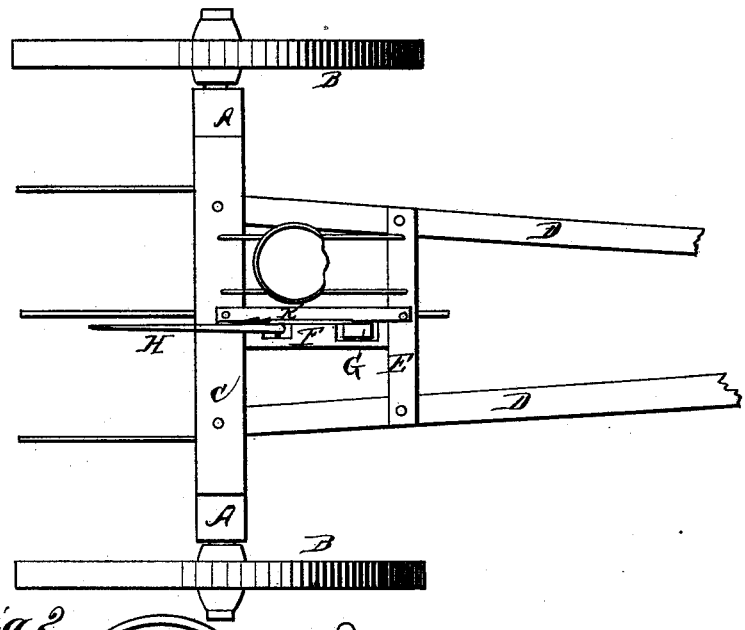
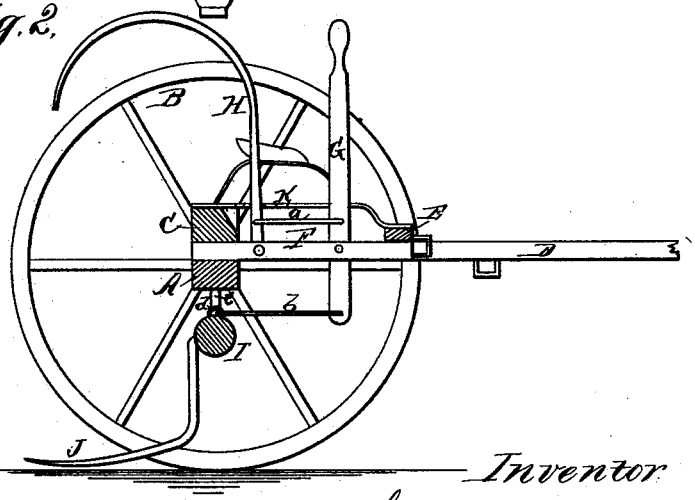


Fig. 2.



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UNITED STATES PATENT OFFICE.

GEORGE H. SMITH, OF WEBSTER, WEST VIRGINIA.

IMPROVEMENT IN HAY-TRUCKS.

Specification forming part of Letters Patent No. **215,175**, dated May 6, 1879; application filed March 20, 1879.

To all whom it may concern:

Be it known that I, GEO. H. SMITH, of Webster, in the county of Taylor and State of West Virginia, have invented certain new and useful Improvements in Hay-Trucks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

The nature of my invention consists in the construction and arrangement of a device for hauling hay-shocks, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a plan view, and Fig. 2 a cross-section.

A represents an axle, with a wheel, B, on each end, as shown. On top of the axle A is secured a head-block, C, and shafts D D are let into the axle, and secured thereto by the same bolts which fasten the head-block.

The shafts D D are connected a suitable distance in front of the axle by a cross-bar, E, and in the center, from said cross-bar to the axle, extends a slotted metal bar or casting, F. In this cross-bar are pivoted a lever, G, and a single tooth, H, the lever and tooth being connected by a link or rod, *a*, above the casting, as shown.

The lever G projects below the casting a suitable distance, and its lower end is, by a rod or link, *b*, connected with an arm, *d*, projecting from a roller or round head, I, which is hung in bearings *e e* below the axle A. In the roller or head I are secured a number of teeth, J, which are bent in the angular form shown.

The operation of my machine is very simple. The truck is backed up against a hay-shock, so that the teeth J will pass under the same. By now pulling back on the lever G the roller or head I is turned, so as to raise the teeth J and lift the shock. At the same time the tooth H turns down to grasp and hold the shock, the lever being then locked by a ratchet, K. The truck can then be moved to any desired place, and the hay-shock deposited where wanted.

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

1. In a truck for hauling hay, the pivoted lever G, linked or connected both above and below its pivot-point to one or more movable teeth, so arranged that by the movement of the lever G the upper and lower teeth will clamp the hay-shock, as and for the purposes set forth.

2. The combination of the roller I with teeth J, the upper tooth, H, lever G, and connecting-rods *a b*, all arranged as described, with a wheeled truck, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

GEO. H. SMITH.

Witnesses:
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