

W. COOK.
HAY-LOADER.

No. 172,972.

Patented Feb. 1, 1876.

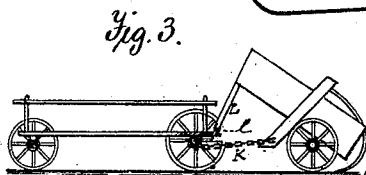
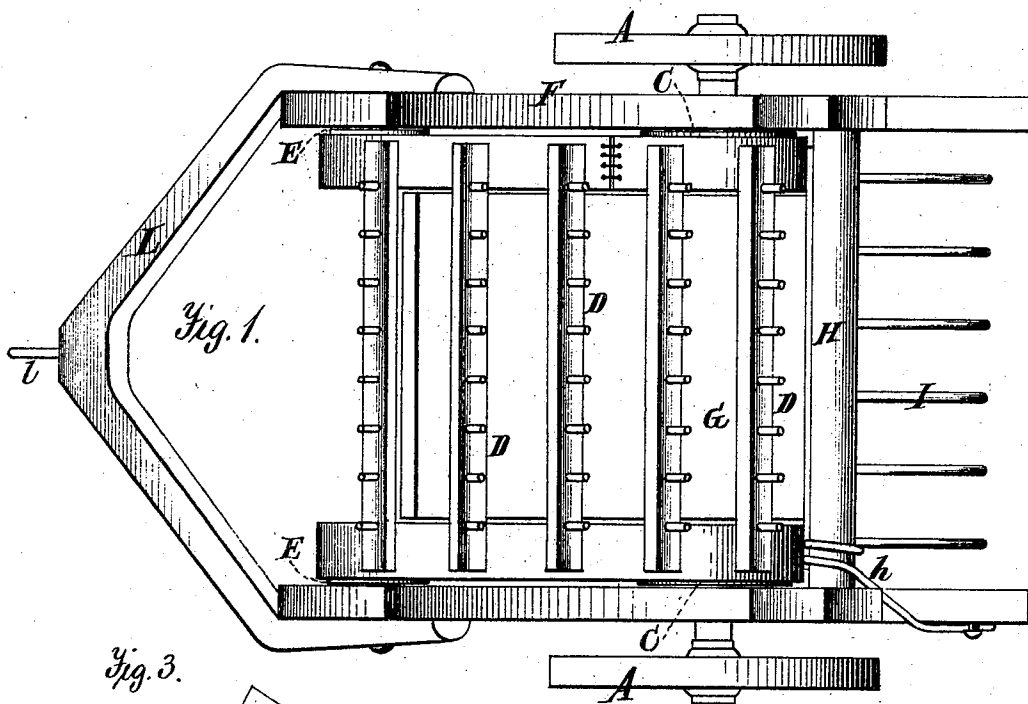
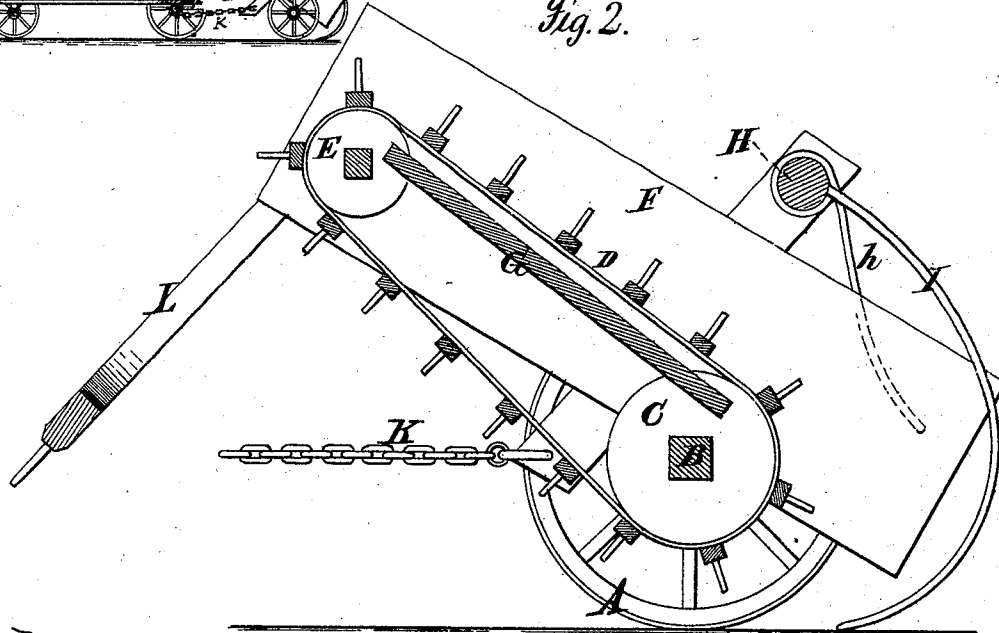


Fig. 2.



Witnesses.
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Atty

UNITED STATES PATENT OFFICE.

WILLIAM COOK, OF WARREN, INDIANA.

IMPROVEMENT IN HAY-LOADERS.

Specification forming part of Letters Patent No. **172,972**, dated February 1, 1876; application filed March 8, 1875.

To all whom it may concern:

Be it known that I, WILLIAM COOK, of Warren, in the county of Huntington and State of Indiana, have invented a certain Improvement in Hay-Loaders, of which the following is a specification:

This invention relates to that class of hay-loaders which are attached to the tail end of the wagon, and load the hay thereon by means of an endless rake.

My improvement consists in the use of a hanger depending from the upper end of the rake-frame, and provided with a pin at its lower end for entering an eyebolt or staple fixed to the wagon or loader, for the purpose of regulating the elevation of the upper end of the elevating-rake, and also to steady the loader, which is drawn by means of chains from the hind axle of the wagon.

In the annexed drawings, Figure 1 is a plan view of my improved hay-loader. Fig. 2 is a vertical longitudinal section thereof. Fig. 3 illustrates, on a smaller scale, the manner of connecting the loader to an ordinary hay-wagon.

Same letters of reference are used in all the figures in the designation of identical parts.

The loader runs on the wheels A, the axle B of which also constitutes the axis of the lower drums C of the endless rake D, which travels at the other end over the drums E, having their journals supported in bearings in the side boards F of the frame of the loader.

The endless rake consists of a pair of belts, stretched over the aforesaid drums or pulleys, and a series of cross-bars provided with the necessary teeth, a board, G, being arranged

within the endless rake, in close proximity to the upper side, as usual.

The after rake and gatherer consists of a bar, H, acted upon by a spring, h, and provided with curved rake-teeth I.

The loader is provided with draft-chains K, by means of which it is to be connected to the hind axle of the wagon to be loaded. To regulate the elevation of the upper end of the endless rake, as well as to steady the movement of the loader, I provide a hanger, L, pivoted at its upper end to the forward end of the side boards F of the loader, and carrying in its lower end a fixed pin, l. In connecting this loader to a wagon the pin l of the hanger L is inserted in an eyebolt or staple fixed centrally to the wagon or ladders. The chains K are then carried around the hind axle of the ladders, and properly secured thereto.

It will be observed that, by lengthening or shortening the chains, the elevation of the upper end of the rake D may be readily regulated.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, with the frame of the hay-loader, of the pivoted hanger L l and draft-chains K, substantially as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM COOK.

Witnesses:

SAMUEL CARNIN,
E. S. LOGUE.