

(No Model.)

E. R. CASSADAY & W. WEAVER.
LUMBER LOAD BINDER.

No. 518,207.

Patented Apr. 10, 1894.

Fig. 1

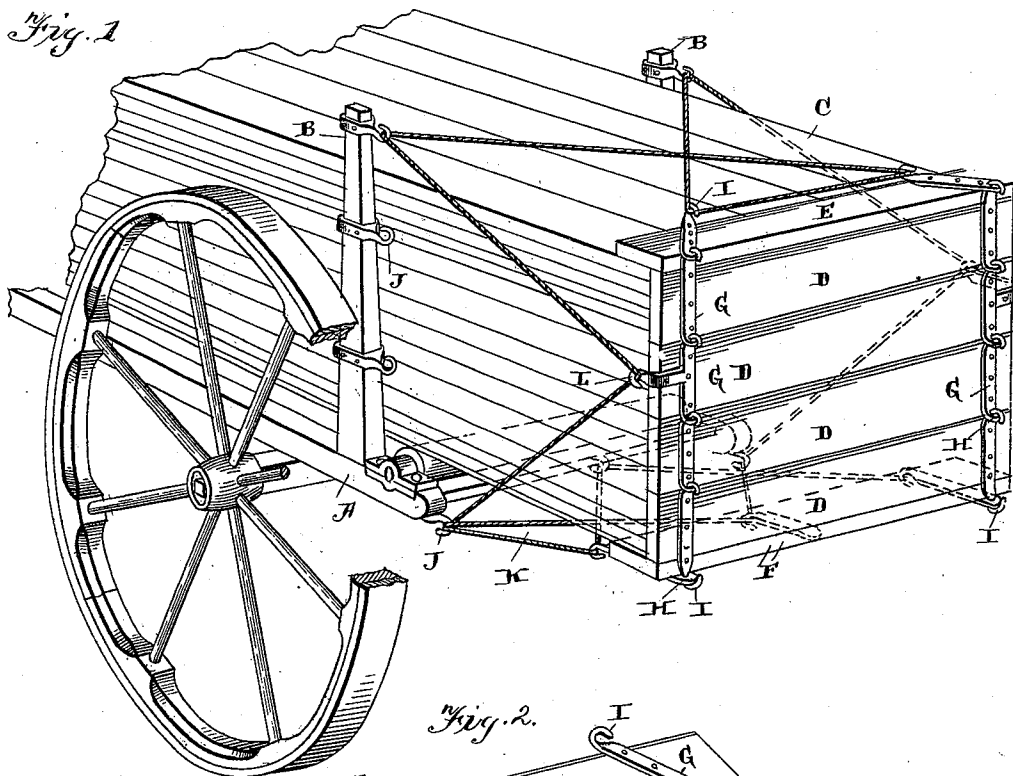
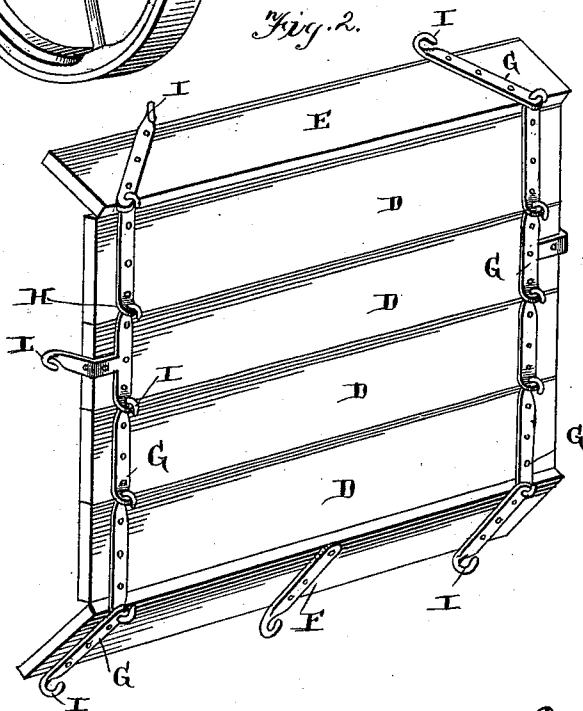


Fig. 2.



Witnesses

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ERNEST RANDOLPH CASSADAY AND WILLIAM WEAVER, OF PHILADELPHIA,
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LUMBER-LOAD BINDER.

SPECIFICATION forming part of Letters Patent No. 518,207, dated April 10, 1894.

Application filed November 21, 1893. Serial No. 491,552. (No model.)

To all whom it may concern:

Be it known that we, ERNEST RANDOLPH CASSADAY and WILLIAM WEAVER, citizens of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Lumber-Load Binders; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Our invention relates to an improvement in lumber load binders; and it consists in the novel devices for securing the rear end of a load of lumber to a wagon, as will be fully described and claimed hereinafter.

Many lumber wagons now in use slope rearward from their front ends for convenience in loading and unloading, but this arrangement has its disadvantages as the lumber is liable to slip from the wagon and be lost, and especially so when pieces of different sizes and lengths constitute the load. To obviate this difficulty ropes of considerable length have been resorted to for binding the load to the wagon, but this method of securing the same is at once unreliable and cumbersome as it is quite impossible to reach every piece in the load so as to hold all from longitudinal movement, and considerable time is required in adjusting and removing the rope.

The object of our invention is, therefore, to provide an improved lumber load binder which will hold every piece in the load from backward movement, and further to so construct said binder that it may be readily applied to and removed from the load.

Referring to the accompanying drawings,—Figure 1 is a perspective view of our improved binder applied to a load. Fig. 2 is a detached view of the same.

A designates the bed of a lumber wagon and B the rear standards projecting vertically therefrom. Shown in position on the wagon is a load C of lumber of various sizes.

The binder consists of a series of boards D which in length are about equal to the width

of the load and which are arranged on edge, one over the other as shown in Fig. 1. There is also the top board E which extends inward horizontally over the load and the bottom board F which extends in like manner beneath the load. These boards hold the load from vertical displacement. For securing the several sections together we provide the straps G secured transversely to the boards and which are formed with eyes H at one end and hooks I at the other end, so that the same may be quickly and conveniently coupled together as shown in the drawings. The straps G upon the upper and lower boards D are projected at their ends a distance equal to the thickness of the top and bottom boards E and F so that the latter may remain connected while in a horizontal position. The straps on the top board E are preferably arranged at an angle to each other so as to be substantially in line with opposite standards B. The latter as well as the rear end of bed A are provided with hooks J to which are attached the securing chain or cord K which is also attached to the hooked straps on the top and bottom boards E and F. One or more of the straps G on each side of the binder may be formed with an outwardly and forwardly projecting hook L for engaging opposite sides of said chain, or cord thus holding the binder securely in position as well as preventing the rear portion of the load from moving laterally on the wagon.

It is apparent that any number of boards or sections may be placed intermediate the top and bottom horizontal boards that may be required to accommodate the height of the load. The securing chain or its equivalent is preferably arranged as shown with its strands crossing each other on top the load as the same is held thereby more securely.

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

1. An improved binder adapted to fit the extended end of a lumber load, consisting of a plurality of transverse boards or strips arranged in vertical succession and detachably connected, and a means for securing the binder in position, substantially as shown and described.

2. The combination of a lumber binder ar-

5 ranged in sections, straps on each section having their ends arranged with hooks and eyes respectively, and a means for securing the binder in position, substantially as shown and described.

10 3. The combination of a lumber binder, boards projecting at right angles from opposite edges thereof, hooked straps projecting from the binder a distance equal to the thickness of the said boards, straps secured to the outer surfaces of the latter for engaging the

straps on said boards, and a means for securing the binder in position, substantially as shown and described.

In testimony whereof we affix our signatures 15 in presence of two witnesses.

ERNEST RANDOLPH CASSADAY.
WILLIAM WEAVER.

Witnesses:

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