

(No Model.)

W. H. KNAPP
GRAIN CARRIER.

No. 432,052.

Patented July 15, 1890.

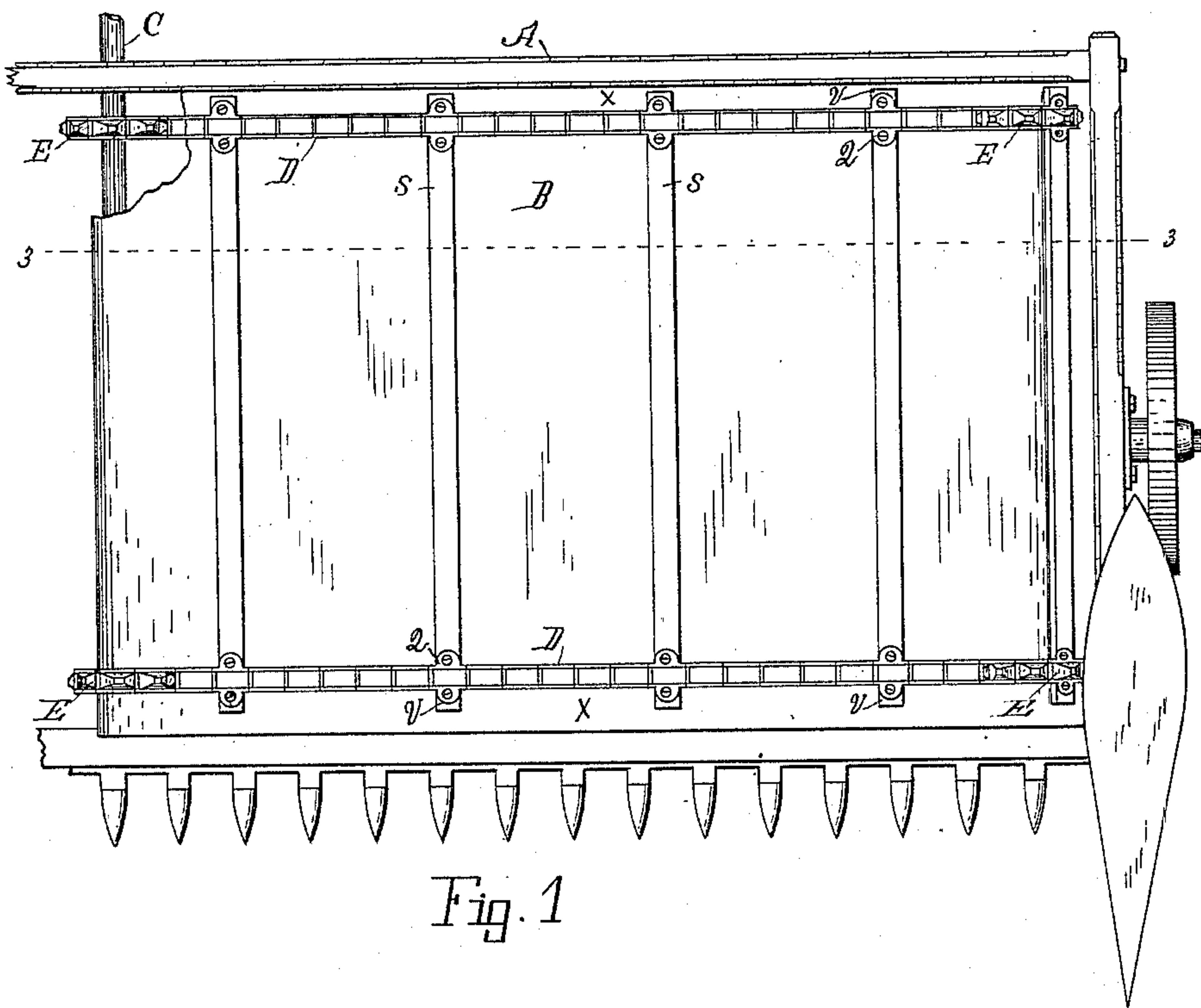


Fig. 1

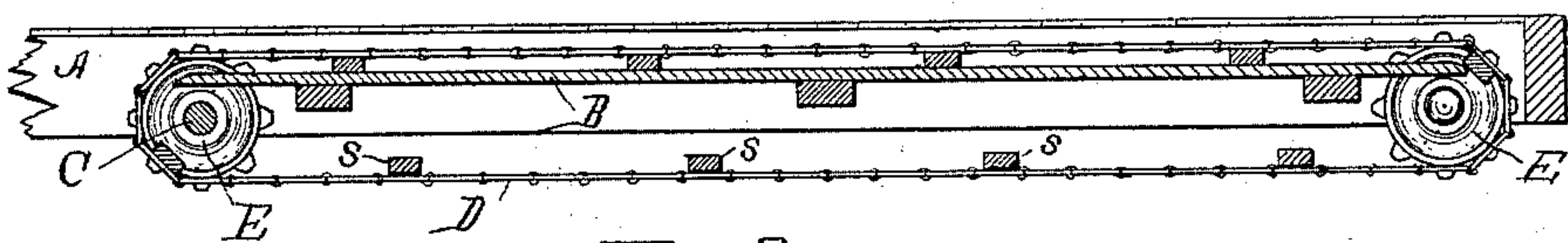


Fig. 2

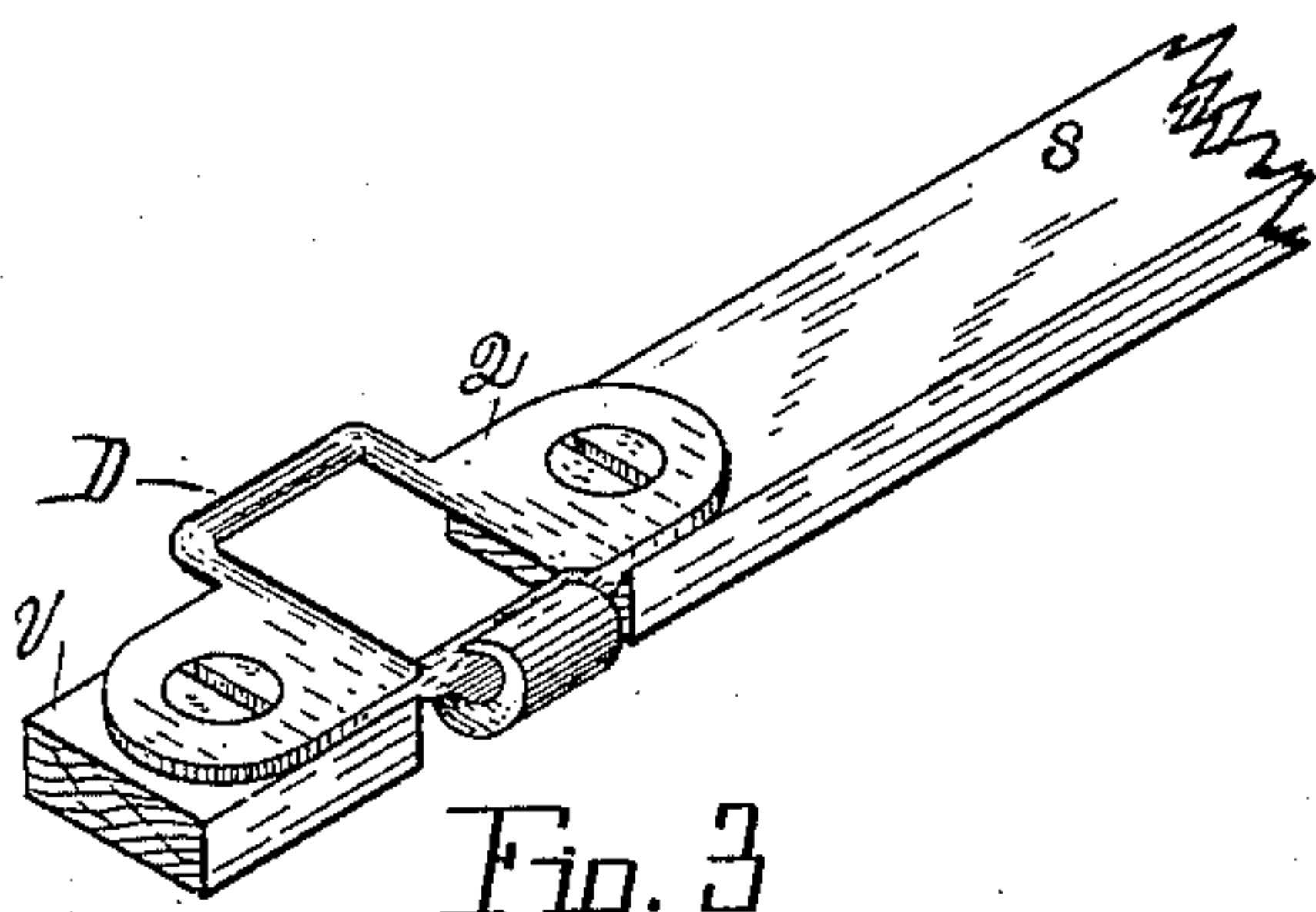


Fig. 3

Witnesses:

Walter S. Wood.

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Inventor.

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By Lucius C. West.

Atty.

UNITED STATES PATENT OFFICE.

WILLIAM H. KNAPP, OF GALESBURG, MICHIGAN.

GRAIN-CARRIER.

SPECIFICATION forming part of Letters Patent No. 432,052, dated July 15, 1890.

Application filed November 15, 1889. Serial No. 330,497. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. KNAPP, a citizen of the United States, residing at Galesburg, county of Kalamazoo, State of Michigan, have invented a new and useful Grain-Carrier, of which the following is a specification.

This invention relates to grain-carriers in which sprocket-wheels are employed at the four corners of the grain-platform, and more especially to an invention of mine disclosed in Letters Patent granted September 3, 1889, No. 410,526. In said invention the sprocket-wheels were recessed between the sprockets, to receive the grain-carrier slats carried by the sprocket-chains.

The object of the present invention is to dispense with said recesses in the sprocket-wheels, and to accomplish the same result as in prior patent so far as the mode of carrying the grain is concerned—viz., moving the grain along the upper surface of the floor of the grain-platform by the slats which contact directly with said floor.

In the drawings forming a part of this specification, Figure 1 is a plan view of the grain-platform back of the cutter-bar, parts being broken away. Fig. 2 is a sectional elevation on line 3 3 in Fig. 1, and Fig. 3 is an enlarged perspective of lettered details from Fig. 1.

Referring to the lettered parts of the drawings, A is the grain-platform, and B is the floor thereof. At the four corners of this platform are sprocket-wheels E, two of them at one end being mounted upon the power-shaft C, to which shaft power is applied, when in use, in the ordinary manner. At the front and rear side of said grain-platform are sprocket-chains D, carried by said sprocket-wheels E.

The transverse carrier-slats are shown at S

separated from each other, and the ends of said slats being attached to lateral projecting lugs of the links of the sprocket-chains D, as shown in Fig. 1, but more clearly illustrated in Fig. 3. By this means the ordinary sprocket-wheels without being recessed between the sprockets are employed, in connection with the ordinary sprocket-chains so far as that part of the links are concerned which engage the projections of the sprocket-wheels.

At *v v* are shown short blocks, corresponding in thickness to the slats S, said blocks being attached to outer lateral lugs of the chains corresponding with those shown at 2. These blocks *v*, when employed, slide over the surface of the outer margins or guideways *x* of the grain-platform, and thus assist in steadying the movement of the chains and slats. These blocks may or may not be employed, as desired.

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

The combination of the grain-platform, the outer margins or guides, the sprocket-wheels, the sprocket-chains having the links provided with lateral lugs at each side, the transverse slats attached at the sides to the inner lugs of said links, and the blocks attached to the outer lugs of the links and contacting with the guides, substantially as set forth.

In testimony of the foregoing I have hereunto subscribed my name in presence of two witnesses.

WILLIAM H. KNAPP.

Witnesses:

LYSCOM BRIGHAM,
BELLE FREEMAN.