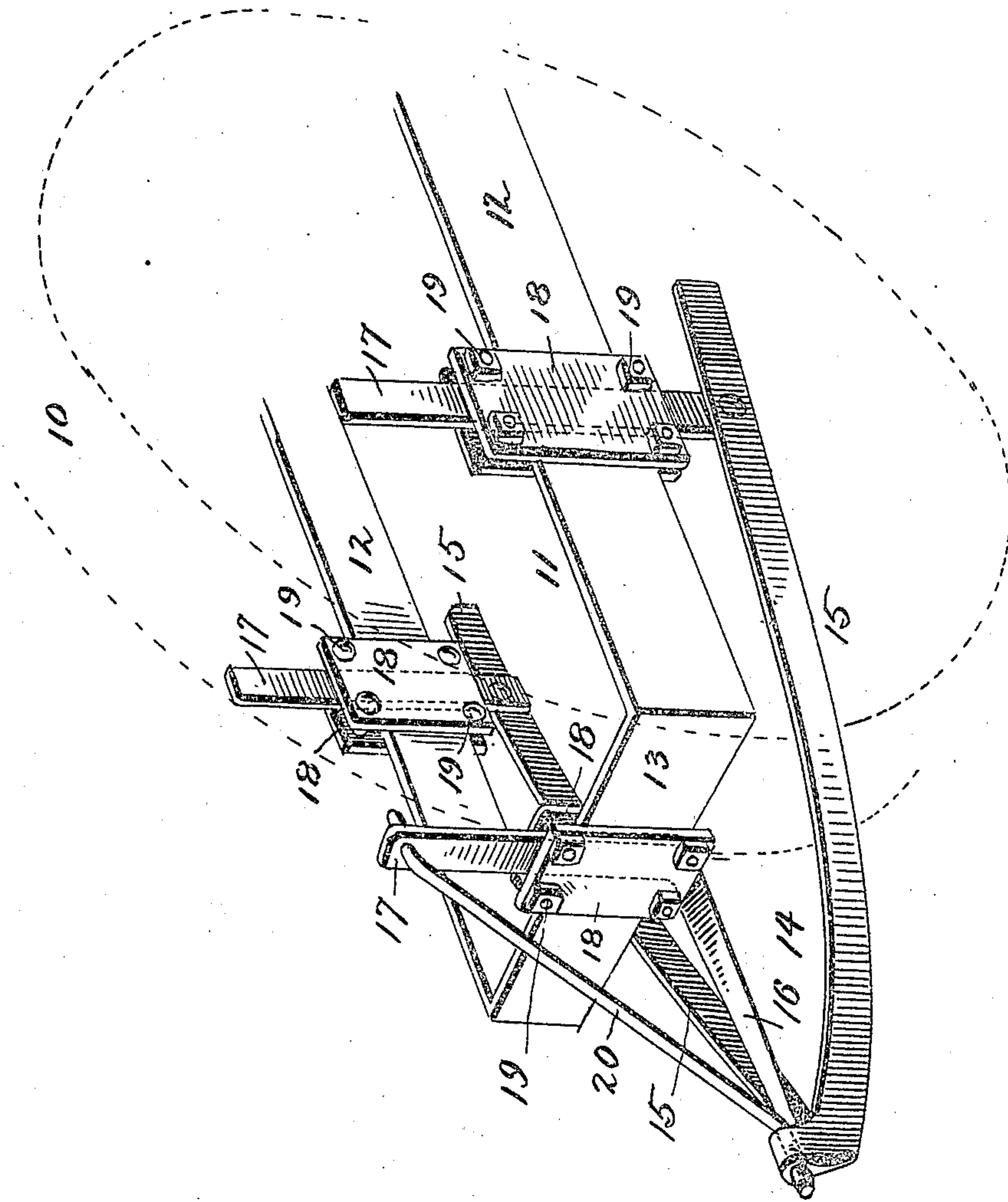


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GRAIN DIVIDER.

APPLICATION FILED MAY 1, 1909.

952,362.

Patented Mar. 15, 1910.



Witnesses  
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# UNITED STATES PATENT OFFICE.

PHILIPP O. SANDEL AND WILLIAM E. McCANN, OF NOBLE, OKLAHOMA.

## GRAIN-DIVIDER.

952,362.

Specification of Letters Patent. Patented Mar. 15, 1910.

Application filed May 1, 1909. Serial No. 493,357.

*To all whom it may concern:*

Be it known that we, PHILIPP O. SANDEL and WILLIAM E. McCANN, citizens of the United States, residing at Noble, in the county of Cleveland and State of Oklahoma, have invented certain new and useful Improvements in Grain-Dividers, and do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the figures of reference marked thereon.

The object of our invention is to provide a divider for the drive or master wheel of grain harvesters, which is not only adapted to be constructed as a part of the machine when originally built, but may be readily applied to machines already in use, the purpose of the divider being to prevent the damage to the standing grain caused by the passage over it of the master wheel in traveling through the field, and for the attainment of our object, our invention consists in the master wheel divider constructed substantially as hereinafter specified and claimed.

Referring to the accompanying drawing, the figure is a perspective view showing our invention arranged for use.

To illustrate our invention, we show the master wheel 10 and a portion of the frame 11 contiguous thereto, of a standard self-binding harvester, said frame comprising two rearwardly extending parallel bars 12 and a cross bar 13 in advance of the wheel, and we utilize each of said three bars for supporting our divider 14, by providing a form of clamp that may be applied to the bar just as it stands and without any change or alteration in it.

As shown, our divider consists of two converging bars 15 that meet at a point in advance of the master wheel, and a third bar 16 that extends from the apex or meeting point of the two bars 15 rearwardly, and at or near the rear end of each of said three bars 15 and 16 there is a vertical extension or upright 17, by means of which the divider is secured to the binder frame. For each upright 17, there is a clamp that consists of two plates 18 adapted to be placed on opposite sides of the frame bar, and joined or connected above and below the frame bar by bolts and nuts 19, the divider upright 17 being clamped between the side of the frame

bar and one of said clamping plates. Each divider upright 17 has sufficient length to permit vertical adjustment of the divider, which it will be seen can be very readily effected by reason of the form of clamp that we employ. From the apex of the divider, a brace rod 20 is carried rearwardly and upwardly and passed through a hole near the upper end of the upright of the divider bar 16.

It will be evident that we have provided a construction of master wheel divider that can be inexpensively made, and without any alteration in the frame construction of the harvester, can be easily and satisfactorily attached thereto, and it has all required capacity for vertical adjustment. The brace or stay rod 20 forms a perfect support, and yet in no wise interferes with the pitman.

In making our divider, we preferably employ bars of steel and plates of steel for the clamps, these parts being of suitable size or thickness, for we do not limit ourselves to any particular size or material.

Having thus described our invention, what we claim is—

1. A divider comprising a pair of converging bars that meet, a third bar running rearwardly from the apex, at the meeting point of said converging bars, and having a vertical extension or upright said bars being joined together at the apex, and a rearwardly and upwardly inclined brace or stay rod extending from the apex to said vertical extension or upright.

2. A divider comprising a pair of converging bars that meet, a third bar running rearwardly from the apex, at the meeting point of said converging bars, and having a vertical extension or upright said bars being joined together at the apex, a rearwardly and upwardly inclined brace or stay rod extending from the apex to said vertical extension or upright, a vertical extension or upright for each of the converging bars, and a clamp for each vertical extension or upright.

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

PHILIPP O. SANDEL.  
WILLIAM E. McCANN.

Witnesses:

JAMES CARTER,  
L. J. TURNER.