G. C. BLOSSOM.

TRACK BOARD SUPPORT.

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919,119. Patented Apr. 20, 1909.

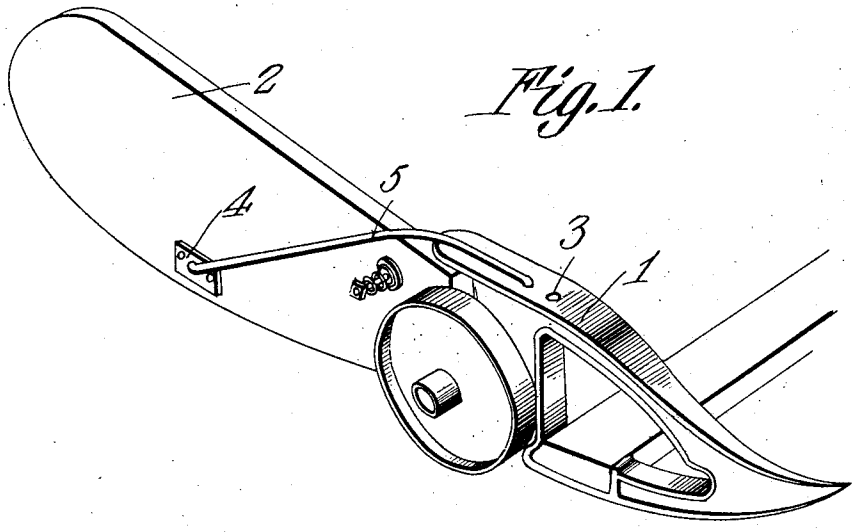


Fig. 1.

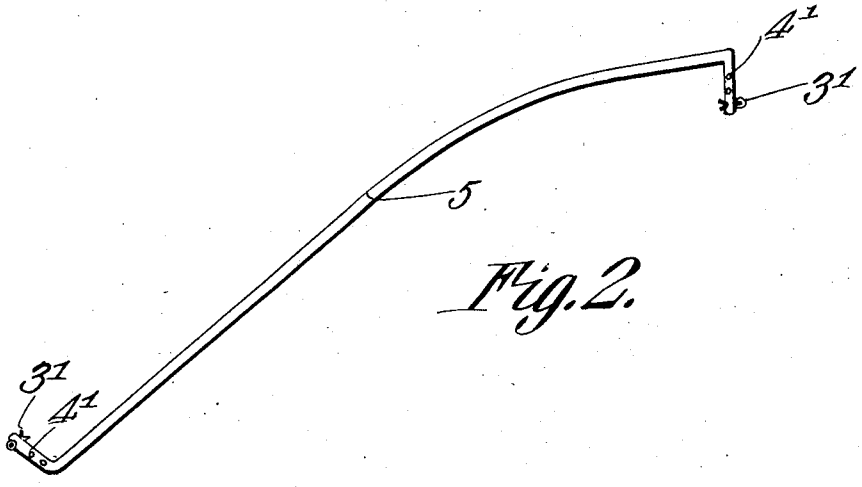


Fig. 2.

Witnesses

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TRACK-BOARD SUPPORT.

No. 919,119. Specification of Letters Patent. Patented April 20, 1909.

Application filed October 1, 1908. Serial No. 455,630.

To all whom it may concern:

Be it known that I, GUY CHARLES BLOSSOM, a citizen of the United States, residing in the town of La Grange, in the county of Dutchess and State of New York, have invented a new and useful Track-Board Support, of which the following is a specification.

This invention has relation to supports for track boards upon grain dividers, and it consists in the novel construction and arrangement of its parts, as hereinafter shown and described.

The object of the invention is to provide a simple and effective support for the track board of a grain divider, which will permit the said board to move laterally and in an upward direction, but which will retain the said board from downward movement.

The support may be used upon the track boards of harvesters, mowers or reapers, and it is designed to hold the track board so that the reaper or mower may be readily turned and the track board will have ample movement laterally and in an upward direction, to pass over tufts of grass or grain, but which is rigidly held in a downward direction, and therefore cannot project under the said tufts of grass etc.

With the above objects in view, the support consists primarily of a spring rod which is pivotally connected at its forward end to the top of the grain divider, and which is pivotally connected at its rear end with the sides of the track board. Inasmuch as the said rod is attached at its forward end to the upper edge of the grain divider, and at its rear end to the side of the track board, and the rod is resilient, the said track board may move vertically and laterally, but is held against relative downward movement.

In the accompanying drawings:—Figure 1 is a perspective view of a grain divider and track board with the support attached thereto. Fig. 2 is a perspective view of the rod of the support.

As above stated, the support is adapted to be used in conjunction with a grain divider and a track board, and in the accompanying drawings the parts 1 represent a grain divider as is commonly used upon mowers, reapers and harvesters, and the parts 2 represent the track board which is pivotally connected with the grain divider 1, in the usual manner. A series of perforations 3 is provided in the upper edge of the grain divider 1, and the perforated plate 4 is attached to the outer side and in the vicinity of the lower edge of the track board 2. The spring rod 5 is pivotally connected at its upper forward end with the upper edge of the grain divider 1 by having its extremity inserted into and through one of the perforations 3 provided in the said grain divider, and which is held in the said perforation by means of a cotter-pin 3′. The intermediate portion of the said rod 5 passes along the outer side of the track board 4, and is downwardly and rearwardly inclined, and the rear extremity of the said rod 5 is pivotally connected with the perforated plate 4 by being projected through the perforation of the said plate and secured therein by means of a cotter-pin 3′. A series of perforations 4′ are preferably formed in each angular extension of the rod so as to adapt the device to machines having castings of different thicknesses. By such arrangement, it will be observed that the rod 5 bears flat against the top of the grain divider and also extends transversely across the pivotal connection between said track board and grain divider, and inasmuch as its upper forward end is pivotally connected with the grain divider in a substantially horizontal plane, and its rear lower end is connected with the track board in a substantially vertical plane, that the track board 4 may swing laterally against the tension of the rod 5, and may also swing vertically upon its pivot against the tension of the said rod, but that any relative downward movement of the said track board 4 will be checked by the rod 5, inasmuch as during such movement the tension stress will be longitudinally disposed along the said rod. A spring is preferably coiled around the pivot bolt 5 so as to permit a limited lateral movement of the track board. Thus it will be seen that the track board may have the movement as described, and that when the implement is making a turn the said board may swing so as to avoid tufts of grass or grain. Thus the said track board may ride over the tufts, but is rigidly held against vertical downward movement, and consequently is not depressed relatively under the weight of the grain or grass which is being cut.

By reason of the fact that the grain di-

vider 1 is provided with a series of perforations 3, the forward end of the rod 5 may be adjustably connected with the said grain divider 1, whereby the track board 4 may be pitched at a desired angle with relation to the surface of the ground. This means for adjustment makes it possible to have the track board positioned relatively high or low, as desired.

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

1. In combination with a grain divider and a track board pivotally connected therewith, a track board support consisting of a spring rod having at its ends laterally disposed extremities which are pivotally engaged with the grain divider and track board respectively.

2. In combination with a grain divider and a track board pivotally connected therewith, a track board support consisting of a spring rod having at its ends laterally disposed extremities extending at approximately right angles to each other, and which are pivotally engaged with the grain divider and track board respectively.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

GUY CHARLES BLOSSOM.

Witnesses:

JOSEPH JACKSON DIDDELL,

HAROLD WOOSTER DIDDELL.