No. 674,937. Patented May 28, 1901.

J. A. MUSSETTER.

WHEEL FOR CORN PLANTERS.

(Application filed Oct. 8, 1900.)

(No Model.)

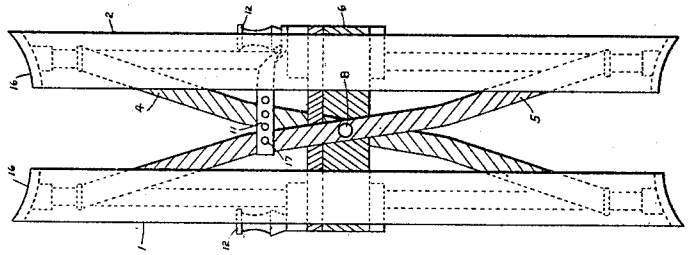

FIG. 3.

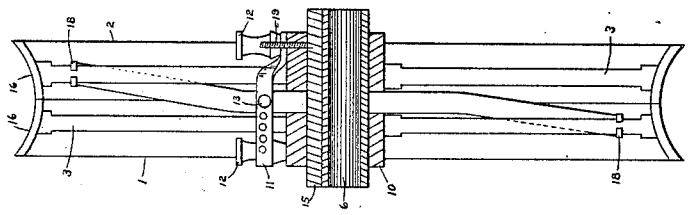

FIG. 2.

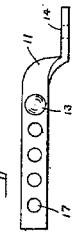

FIG. 6.

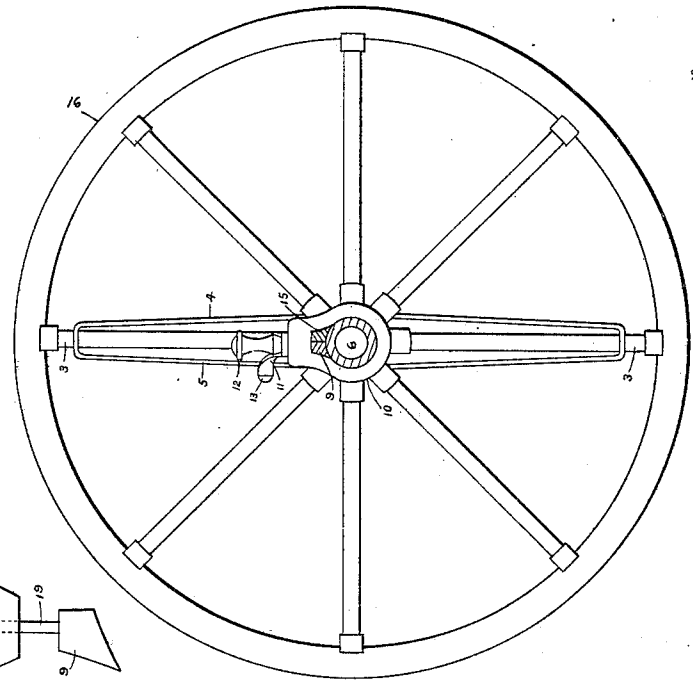

FIG. 1.

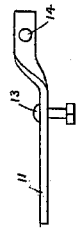

FIG. 8.

FIG. 5.

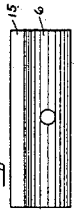

FIG. 7.

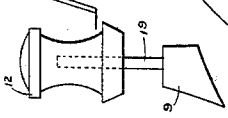

FIG. 4.

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WHEEL FOR CORN-PLANTERS.

SPECIFICATION forming part of Letters Patent No. 674,937, dated May 28, 1901.

Application filed October 3, 1900. Serial No. 32,458. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH A. MUSSETTER, a citizen of the United States, residing at Wilmington, Clinton county, Ohio, have invented a new and useful Adjustable Wheel to Be Used on Corn-Planters, of which the following is a specification.

I am aware that oval-rimmed wheels have been in use on corn-planters heretofore; but the purpose of my invention is to provide an adjustable wheel, so that the rim and the entire wheel, in fact, are composed of two parts, which are opened and closed by means of sliding the parts upon a common boxing, and thus have a wheel which is capable of being used with the halves fitting together, as it is commonly used, or so that it can be separated and used with its rims apart from each other.

For a full and complete description of my device reference is had to my drawings hereto annexed and made a part of this specification.

Figure 1 is a side view of the wheel. Fig. 2 is a sectional view. Fig. 3 is a view of the wheel looking at it from the front and shows it as in use with its rim parts separated, the dotted lines indicating the parts hidden by the rim. Figs. 4, 5, 6, 7, and 8 are views of different parts of the device and are referred to hereinafter.

In Fig. 1, 16 is the rim of the wheel, there being two separate rims, as shown in Figs. 2 and 3. Numeral 3 shows the spokes of the wheel, there being two separate sets, all alike. 10 is the hub of the wheel, there also being two separate hubs, as shown, both alike. Inside of the hubs 10 is placed a tube-boxing, (fully shown in Figs. 5 and 6,) and having fastened to its top or made integral with it, if preferred, and extending the entire length of 6 a square piece of iron 15, adapted to fit the half of the groove in the upper inside part of the hub 10 and used to guide the hubs on the parts 1 and 2 as they are slipped back and forth on their common boxing 6.

In Fig. 3 parts 4 and 5 are two braces made of flat pieces of iron and shaped as shown in said figure and each having at their ends a fastening by which they are secured to the spokes 3, as is shown by 18, which fastening permits a sliding movement up and down upon the spokes as the parts 1 and 2 are compressed or pulled apart upon their common boxing. Upon the outside of the boxing 6 and near its center and opposite each other horizontally are two small round lugs of iron 8 8. (Shown plainly in Figs. 5 and 6.) These lugs each engage a hole in the centers of 4 and 5, as shown in Fig. 3, and are used to hold the braces 4 and 5 to their places in the wheel.

In order to hold the parts 1 and 2 of the wheel at suitable distances apart, I employ a flat piece of iron 11 as a stay, and it is shaped as shown in Figs. 6 and 8, and in order to fasten this stay 11 and also to hold the parts 1 and 2 more firmly at their places I have a small piece of iron 9 (shown fully by Fig. 4) the width of the hub 10 and adapted to fit the half of the groove in the upper part of the hub 10. This piece is constructed as shown in Fig. 4, and it has a screw 19 extending from its upper part and made integral with it. This screw engages a hole made through the upper part of the hub 10, as shown in Fig. 2 by 19. The part or screw 19 extends above the hub 10, and the stay 11 is fastened to it (19) by the part 19 engaging the hole 14 in 11, and then a nut-cap 12 is screwed onto 19, by which means the brace 11 is held in place. Toward the outer end of 11 are several holes of the same size, (shown by 17.) These are to allow a bolt 13 to pass through a hole in the braces 4 or 5, as the case may be, and through whichever of the holes 17 that may be desired, according to the space desired between the parts 1 and 2.

Thus it will be seen that my device is readily adjustable and can be changed as may be desired in a few minutes.

Having fully described my device, what I desire to claim and to have secured by Letters Patent is—

1. In an adjustable wheel for corn-planters the combination of two separate wheels whose rims are adapted to fit together when closed, the hubs of said wheels having a common box-

ing to slide back and forth upon, and means for bracing said wheels when used together, or apart, substantially as described and shown.

2. In a wheel for corn-planters, the combination of two wheels the hubs of which are adapted to slide upon a common boxing, and said wheels being adjusted by means of braces adapted to slide up and down on the spokes of said wheels, and the stay for holding said wheels together as one wheel or separated, substantially as described and shown.

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