

(No Model.)

J. C. JONES & S. B. MARSHALL.

ATTACHMENT FOR HARVESTERS AND MOWING MACHINES.

No. 365,749.

Patented June 28, 1887.

FIG. 1.

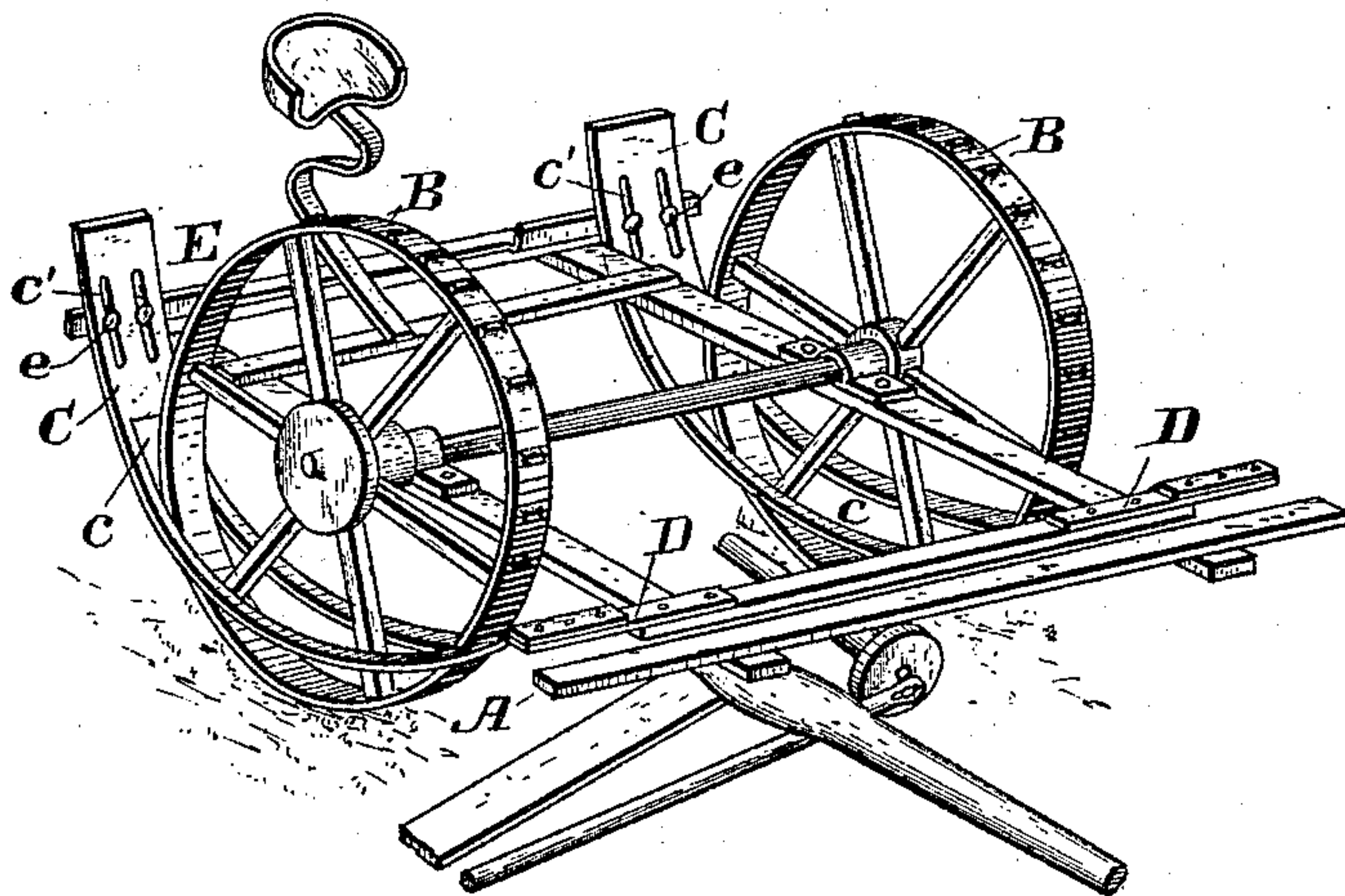
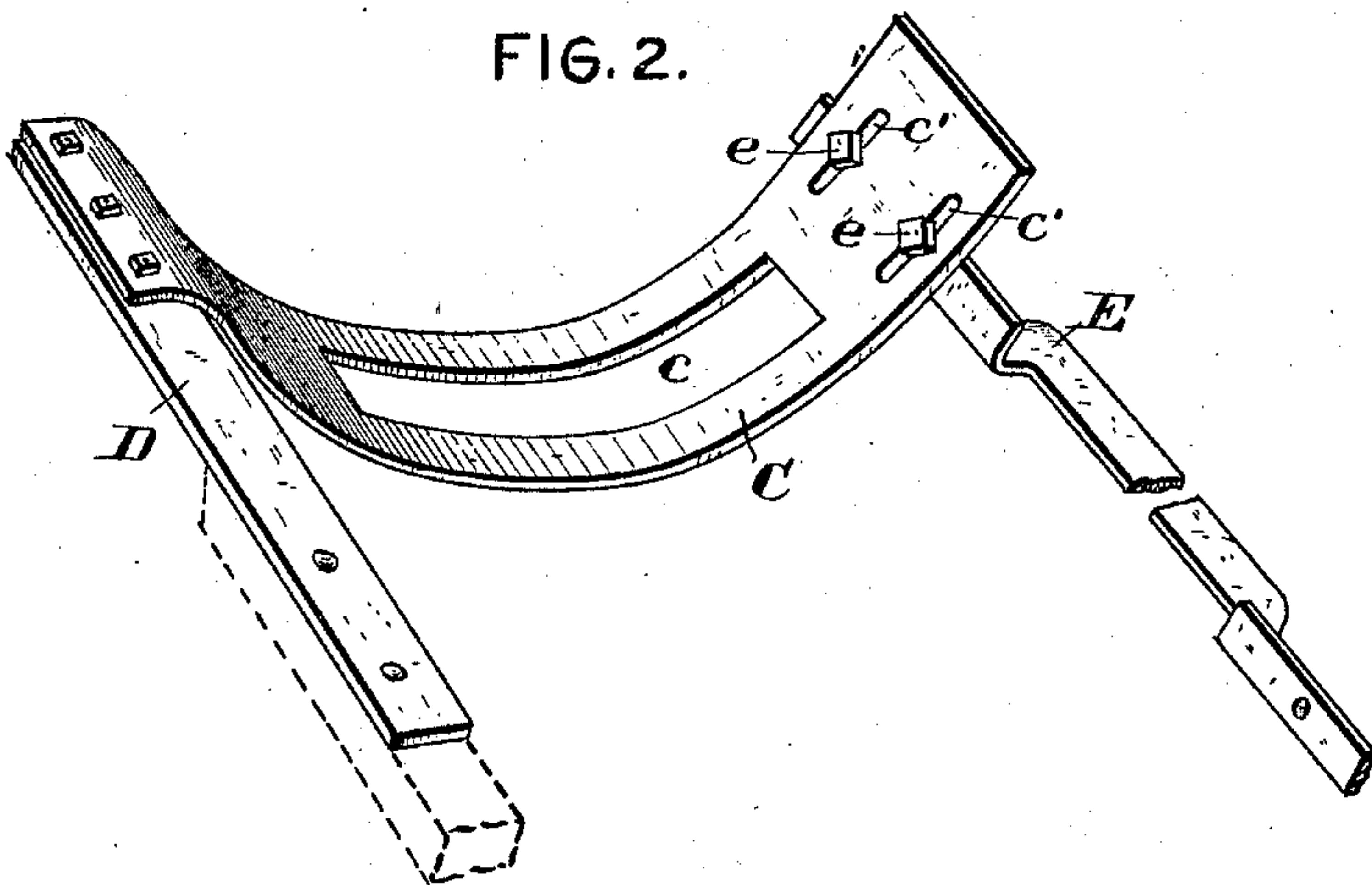


FIG. 2.



ATTEST.

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# UNITED STATES PATENT OFFICE.

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## ATTACHMENT FOR HARVESTERS AND MOWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 365,749, dated June 28, 1887.

Application filed February 23, 1887. Serial No. 228,566. (No model.)

*To all whom it may concern:*

Be it known that we, JEREMIAH C. JONES, a citizen of the United States, and residing at Crystal Falls, Young county, Texas, and SUMNER B. MARSHALL, a citizen of the United States, residing at Denton, in the county of Denton and State of Texas, have invented certain new and useful Improvements in Attachments to Harvesters and Mowing-Machines; and we do hereby 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.

Figure 1 is a perspective view of a mowing or reaping machine with the shoe attached, and Fig. 2 is a perspective view of the parts of the shoe detached from the machine.

This invention is designed to afford means whereby a mowing or reaping machine may be enabled easily to travel over soft or marshy ground; and to this end the novelty consists in a shoe proper for each driving-wheel of the machine, each shoe made of a curved piece of metal, preferably of sheet-steel, and provided with a long narrow slot running lengthwise of the shoe, and at its forward and rear ends secured to bars or rods attached to the frame of the machine, and so adapted that under each wheel one of the shoes shall be placed in such a manner that the wheel shall pass through the longitudinal slot in the shoe. Thus, when the machine is used on marshy or soft ground, the shoes on each side of the machine will constitute its support, and on them the machine can be easily moved along without getting mired or clogged.

Having now generally stated the nature and object of our invention, we will proceed to describe the same more particularly, reference being had to the accompanying sheet of drawings. In this A denotes a harvester or mowing-machine, and B the drive-wheels. Under each of these is placed a shoe, C, so that each wheel passes through the longitudinal slot *c* in the said shoe beneath it. This shoe is a curved piece of metal, preferably sheet-steel, which at its forward end is secured to one end of the metal bar D, which projects beyond the side of

the machine, while the other end of the bar is attached to the front part of the machine at any convenient point or place. The rear end of the shoe is movably secured to the end of the metal bar or rod E, which projects beyond the side of the machine, by means of the headed bolts *e*, which, passing through the short longitudinal slots *c'* in the rear end of the plate *e*, are secured in the said end of the bar or rod E. This is in turn secured at any convenient place upon the rear part of the body of the machine. As thus made and applied said shoes in no way or manner interfere with the usual and ordinary operations of the wheel when the machine is moving over firm or solid ground; but when the machine comes to soft or boggy ground or soil the wheels will settle into the top of the shoes upon the top of the ground, and in this way they will constitute the supports of the machine, on which it can readily be moved over the ground. If the wheels revolve, their fellys will be freed from the soil and mud which have become attached to that part of them beneath the shoes. The wheel-slot in the shoe is a little wider than the rim of the wheel, so that no damage can be done to the wheel by it.

This device is very cheaply made, and while it can be added to any machine at the factory where it is made at a very small cost, and so be made a part of the machine as sold in the shops or market, it is evident that almost any blacksmith can make and attach this device to any machine now in use.

It is not necessary to remark at all on the manifold advantages of this attachment to the harvester or mowing-machine on farms or sections of the country where the land to be mowed or reaped is not firm and capable of bearing the weight of the machine without permitting the wheels to sink into it more or less.

In the above description and explanation the invention has been set forth as applied to harvesters and mowing-machines having two drive-wheels; but it is obvious that it can be applied to single-wheeled devices of that description with only the exercise of mere me-

chanical skill. It is also obvious that the invention can be applied to corn or other wheeled planters, and to any agricultural machines that are provided with wheels after the general manner of such devices.

Having now described our invention, what we consider new and patentable is—

1. In a harvester or mowing-machine, and in combination with its wheels, a slotted shoe secured to the frame of the harvester at the front and rear of each wheel and arranged so that the wheels project through the slots in the shoes, whereby said shoes form a support for the machine when the wheels sink in wet or soft ground.

2. The combination of the shoe C, slotted at

*c* and *c'*, with bars D and E of the machine A and the headed bolt *e*, whereby said shoe is made adjustable, substantially as described.

3. The shoe C, having a longitudinal slot, *c*, combined with the bars D and E and the wheel B, in the manner and for the purposes set forth.

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

JEREMIAH C. JONES.

SUMNER B. MARSHALL.

Witnesses:

J. P. DENT,

S. W. WADE,

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