

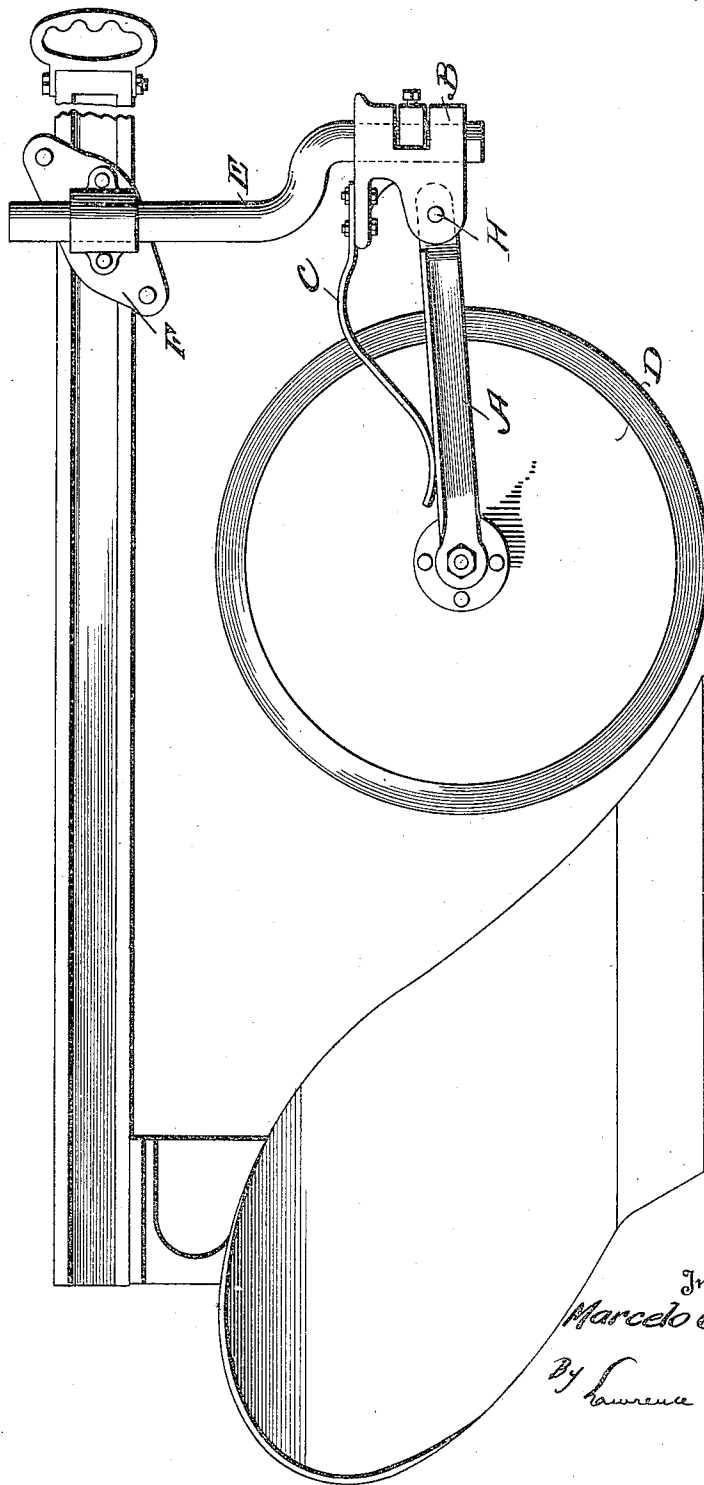
M. CONTI.

PLOW.

APPLICATION FILED NOV. 29, 1920.

1,425,451.

Patented Aug. 8, 1922.



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MARCELO CONTI, OF BUENOS AIRES, ARGENTINA.

PLOW.

1,425,451.

Specification of Letters Patent.

Patented Aug. 8, 1922.

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To all whom it may concern:

Be it known that I, MARCELO CONTI, subject of the King of Italy, and resident of Buenos Aires, in the Republic of Argentina, have invented certain new and useful Improvements in Plows, of which the following is a specification.

This invention relates to certain new and useful improvements in plows, and has for its object a particular arrangement for a resilient and jointed mounting of the rolling colters, whereby the usual drawbacks inherent to the construction of said part, as actually used, are entirely eliminated.

It is well known that the purpose of the rolling colter arranged on the plow beam in front of the share, is to vertically cut the band of soil to be detached and turned over by the share and mould-board. To perform this cutting operation, the disk acts after the manner of a wheel by turning round its axle and when encountering an obstruction, such as a root, stalk, weeds or the like, the said disk tends to rise. As normally the colter disk is rigidly connected to the beam of the plow, the rising effort caused by the obstruction, will be transmitted to the entire body of the plow which will jump about and even get out of the furrow, thus doing very uneven and imperfect work. For this reason, many farmers prefer to entirely dispense with the use of the rolling colter, but it is also well known that such elimination seriously affects the appropriate tillage of the soil.

In order to avoid the above objections, I have devised the resilient improved colter above referred to, a representation of which is given in the accompanying drawing which shows a side elevation of part of the plow beam provided with such colter.

The fork A which carries the rolling colter D, is pivoted at its front end at H to the lower rear portion of a sleeve B through

which passes the lower end of a vertical standard E by means of which the attachment as a whole is secured to the plow beam with the aid of the sleeved fitting F, said fitting having the upper end of the standard extending through it. A suitable spring C is provided for the purpose of exerting a downward pressure on the fork A whenever, owing to the resistance opposed by the soil or any obstruction encountered by the colter D, this latter should tend to emerge from the furrow, the front end of the spring being fastened to sleeve B above the point of pivotal connection H, and the rear end of said spring bearing upon the rear portion of said fork.

It will be evident that several modifications of construction and detail may be introduced into this invention, without departing from the scope and limits thereof, as hereinafter claimed.

Having now described my said invention, I declare that what I claim as new and desire to secure by Letters Patent, is:

A plow attachment comprising, in combination, a sleeved fitting adapted for connection to a plow beam; a vertical standard extending at its upper end through said fitting and supported thereby; a sleeve mounted on the lower end of said standard; a fork pivoted at its front end to the lower rear portion of the last-named sleeve; a rolling colter journaled in the free rear ends of the branches of the fork; and a spring attached at its front end to said last-named sleeve above the point of pivotal connection of the fork thereto and bearing at its rear end upon the rear portion of said fork so as to yieldingly press the latter and the colter downward.

Signed at Buenos Aires in the Republic of Argentina this 14th day of October A. D. 1920.

MARCELO CONTI.