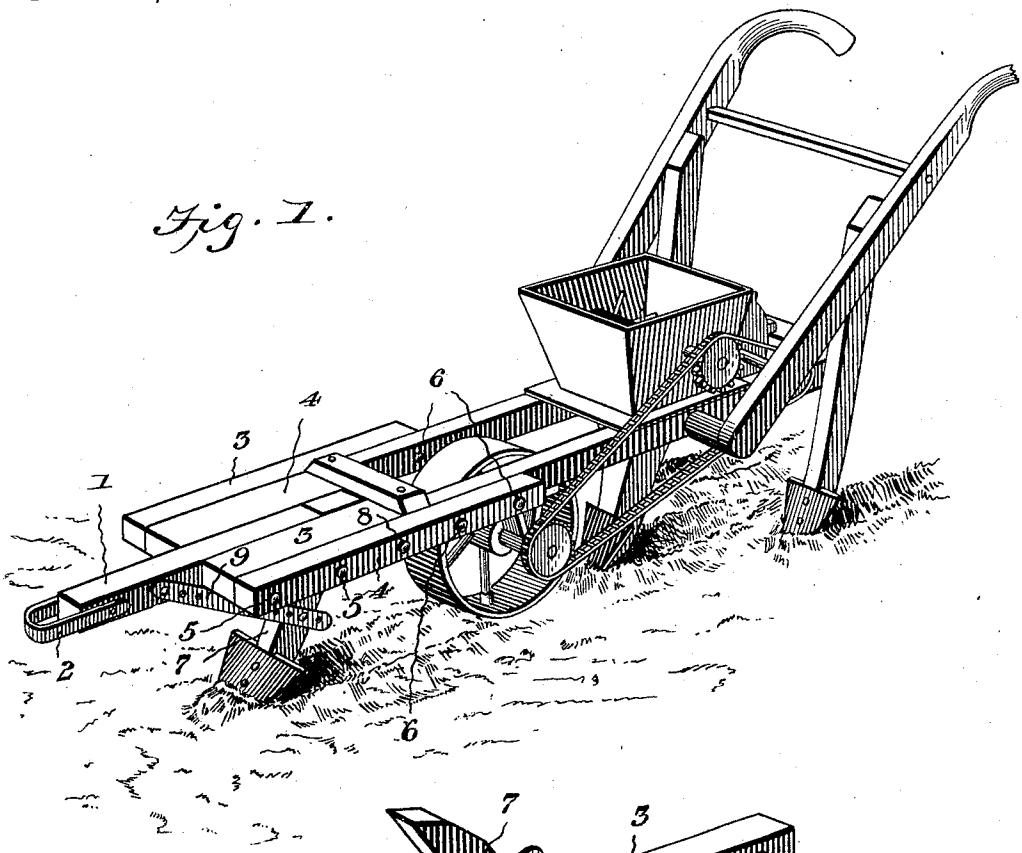
(No Model.)

M. C. CONOLEY.

PLOW ATTACHMENT FOR PLANTERS.

No. 589,419. Patented Sept. 7, 1897.

Fig. 1.



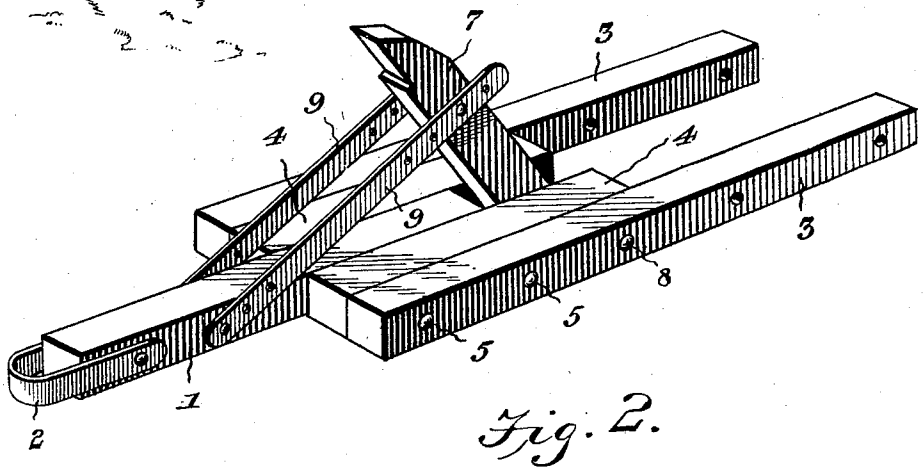


Fig. 2.

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Witnesses
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By his Attorneys.
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UNITED STATES PATENT OFFICE.

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PLOW ATTACHMENT FOR PLANTERS.

SPECIFICATION forming part of Letters Patent No. 589,419, dated September 7, 1897.

Application filed June 8, 1897. Serial No. 639,874. (No model.)

To all whom it may concern:

Be it known that I, MALCOM C. CONOLEY, a citizen of the United States, residing at Liberty Hill, in the county of Williamson and State of Texas, have invented a new and useful Plow Attachment for Planters, of which the following is a specification.

The purpose of this invention is to equip any style of planter with a plow attachment for breaking and opening the soil in advance of the furrow-opener and seeding mechanism, thereby enabling the planting to be effected in less time than by the mode generally practiced, which necessitates a breaking and preparing of the land and subsequently sowing the seed.

The invention is in the form of an attachment and is simple in construction and capable of being readily applied to the planter-frame without requiring any special formation thereof.

For a full understanding of the merits and advantages of the invention reference is to be had to the accompanying drawings and the following description.

The improvement is susceptible of various changes in the form, proportion, and the minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a planter, showing the invention applied. Fig. 2 is a perspective view of the attachment inverted.

Corresponding and like parts are referred to in the following description and indicated in the two views of the drawings by the same reference-characters.

The planter shown is illustrative of the type of implement for which the invention is specially designed and gives a correct idea as to the manner of placing it in position when required for use.

The attachment comprises a stub-tongue or draft-beam 1, having a clevis 2 fitted to its front end in the usual way, side beams 3 and blocks 4 at the sides of the stub-tongue and between it and the side beams 3, the parts being secured together by bolts 5, two being essential, to prevent the relative turning of the parts when assembled. The side beams 3 project in the rear of the blocks 4 a sufficient distance to overlap the longitudinal beams of the planter-frame, to which they are secured by bolts 6, whereby a rigid and firm connection is had. A standard 7, provided at its lower end with a shovel or plow-point of suitable pattern, is held in the space formed between the rear portions of the blocks 4 and is of a width corresponding to the stub-tongue, so that the blocks 4 will overlap the joint formed between the stub-tongue and standard and bear with equal stress against the sides of each. A bolt 8 passes through the side beams 3, blocks 4, and upper end of the standard 7 and secures the latter in place and materially assists in holding the component parts of the attachment together. Braces 9 are interposed between the stub-tongue 1 and standard and stay the latter and have adjustable connection with the parts 1 and 7, so as to admit of the inclination of the standard being varied to regulate the pitch of the shovel or plow-point applied thereto.

The plow is centrally disposed and when in position precedes the furrow-opener and seeding mechanism, so as to break the land and prepare it in advance of the planting mechanism. By varying the width of the blocks 4 the attachment can be readily adapted for planter-frames of varying size, so that the side beams 3 may obtain an extended bearing against the outer sides of the longitudinal beams comprising the planter-frame. By connecting the stub-tongue, side beams, and blocks by bolts in the manner set forth the parts are readily separable, so as to admit of blocks 4 of proper size being placed in position, so as to adapt the attachment to the planter with which it is to operate.

Having thus described the invention, what is claimed as new is—

The combination with a planter, of an attachment for breaking and preparing the land in advance of the furrow-opener and seeding mechanism, consisting of a stub-tongue, side beams, blocks intermediate of the stub-tongue and side beams and having the latter extending in the rear thereof to be secured to the sides of the planter-frame, a standard bearing a plow-point and located in the rear of the stub-tongue and between the rear por-

tions of the blocks, braces adjustably connecting the front portion of the stub-tongue with the lower portion of the standard, and a series of bolts for connecting the several parts and admitting of a ready separation thereof, substantially as set forth for the purpose described.

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

MALCOM C. CONOLEY.

Witnesses:
C. F. VANN,
J. M. WEATHERFORD.