

M. J. WHITEMAN & J. CHEHEY.
 DRILL ATTACHMENT.
 APPLICATION FILED MAY 31, 1910.

981,728.

Patented Jan. 17, 1911.
 2 SHEETS—SHEET 1.

Fig. 1—

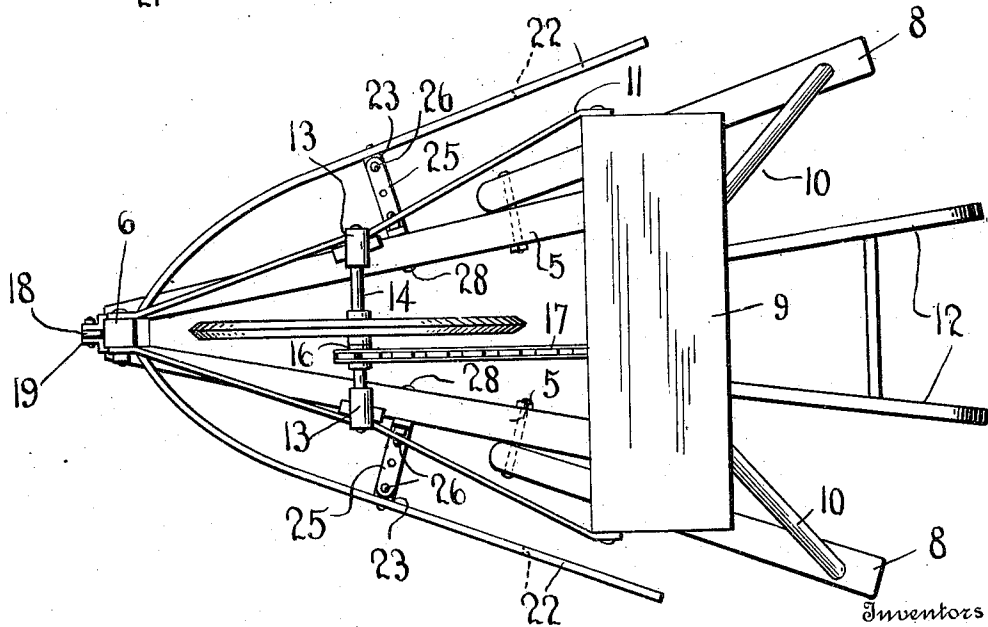
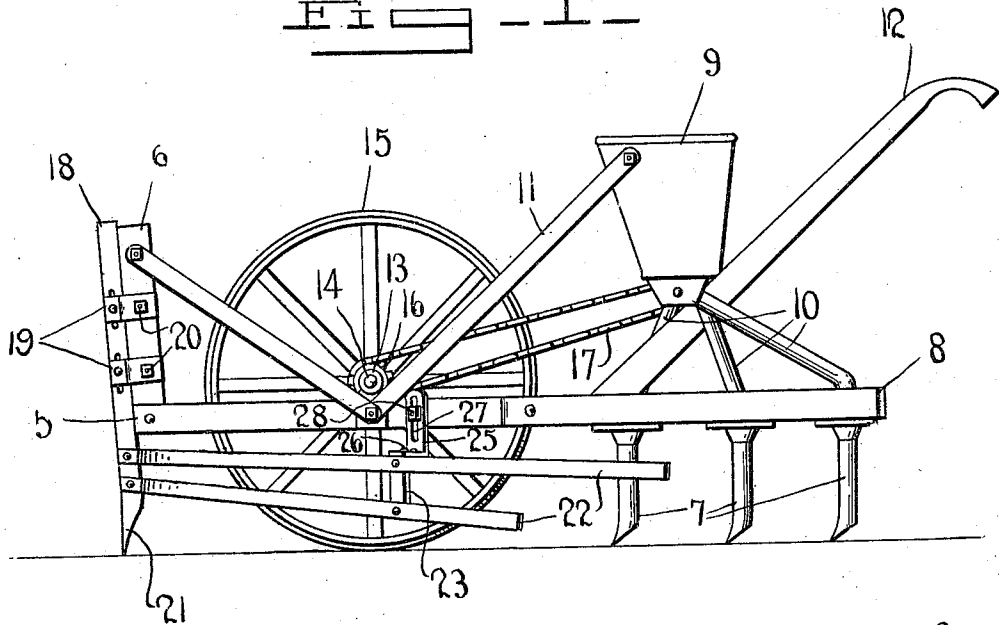


Fig. 2—

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Fig - 3 -

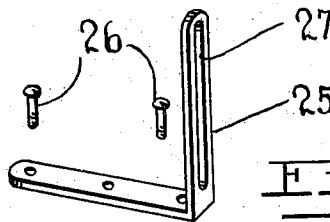
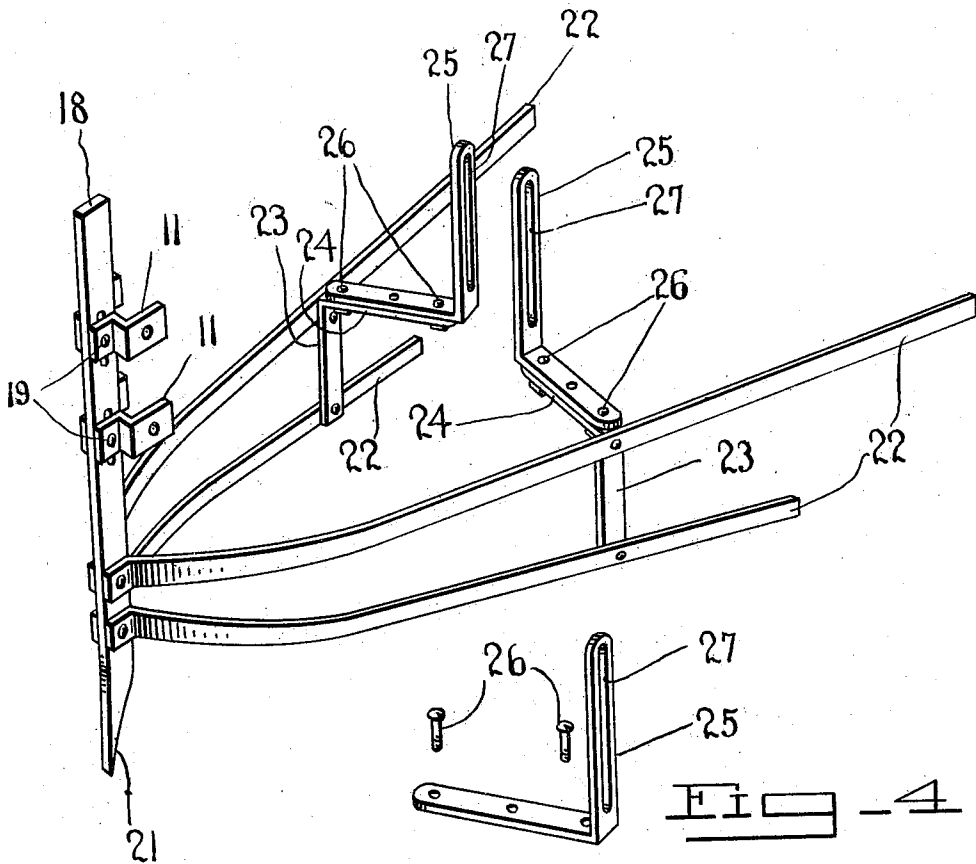
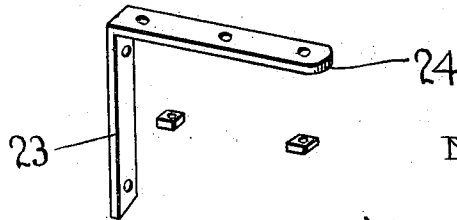


Fig - 4 -



Witnesses

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UNITED STATES PATENT OFFICE.

MILO J. WHITEMAN AND JOSEPH CHEHEY, OF CAMBRIDGE, NEBRASKA.

DRILL ATTACHMENT.

981,728.

Specification of Letters Patent.

Patented Jan. 17, 1911.

Application filed May 31, 1910. Serial No. 564,222.

To all whom it may concern:

Be it known that we, MILO J. WHITEMAN and JOSEPH CHEHEY, citizens of the United States, residing at Cambridge, in the county of Furnas, State of Nebraska, have invented certain new and useful Improvements in Drill Attachments; 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.

The invention relates to a drill attachment and more particularly to the class of trash fenders for grain drill machines.

The primary object of the invention is the provision of a fender of this character in which trash disposed in advance of the drill will be collected at the forward end of the drill and deposited upon the ground at opposite sides of the path of movement of the drill machine.

Another object of the invention is the provision of a drill fender which is adapted for adjustable connection with drill frames of different types of grain drills whereby trash such as weeds or unrooted plants may be dispersed so as to be thrown to opposite sides of the path of movement of the drill during its forward travel through a field.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, while the novelty of the invention is pointed out in the claims hereunto appended.

While the essential and characteristic features of the invention are susceptible of modifications, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which:—

Figure 1 is side elevation of a drill machine with the invention applied thereto. Fig. 2 is a top plan view thereof. Fig. 3 is a detail perspective view of the attachment removed from the drill machine. Fig. 4 is a detail perspective view of one of the adjusting brackets the parts thereof being shown disassembled.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings by numerals 5 5 designates rearwardly diverging main beams of the drill frame the same being con-

nected at their forward ends to a substantially vertical upright 6 and these beams support at their rear ends depending seed tubes 7 and arranged at the outside of these main beams 5 are laterally adjustable supplemental beams 8 which support at their rear ends further depending seed tubes 7 each being in communication with a superposed seed hopper 9 above the main beam by means of branch pipes or tubes 10 the hopper being supported by brackets 11 elevating it above the said beams. Rising from the main beams 5 near their rear ends are forwardly inclined handle bars 12 of the ordinary construction.

Mounted in suitable bearings 13 rising from the main beams is a rotatable axle 14 to which is fixed a ground wheel 15 and this axle has further fixed thereto a sprocket wheel 16 over which is trained a sprocket chain 17 which latter operates suitable seed feeding mechanism for controlling the delivery of seed from the hopper to the seed tubes.

The attachment or fender comprises a vertical upright or bar 18 near the upper end of which and fixed to opposite sides thereof are securing brackets 19 which engage opposite side faces of the post or standard 6 and through these brackets and the said post are passed bolt members 20 detachably securing the upright 18 to the drill frame, the lower end of the upright 18 being beveled to provide a pointed extremity 21, at a point above which are riveted the forward ends of rearwardly diverging curved fender bars 22 which are arranged in vertical alining pairs at opposite sides of the drill machine. The fender bars 22 may be of any desirable length, but it is preferable to have the lower bars of each pair shorter than the upper bars of the pairs.

Secured to the fender bars 22 and holding the same in spaced pairs are inverted L-shaped members 23 the inturned ends 24 of which have adjustably connected thereto L-shaped brackets 25 by means of bolt members 26 the vertical portions of these brackets 25 being provided with elongated slots 27 engaged by bolt members 28 passed through the main beams 5 so that by these bolt members 28 the fender is capable of vertical adjustment. The bolt members 26 permit lateral adjustment of the fender bars 22 when the occasion requires.

In the operation of the drill it will be ob-

vious that the fender carried thereby will collect fallen weeds or unrooted plants in advance of the drill machine and cause them to be dispersed or thrown to opposite sides of the path of movement of the machine thereby preventing the trash from wrapping or twisting upon the drill tubes during the operation of the drill.

What is claimed is:—

- 10 1. An attachment of the class described comprising a vertical upright having a pointed lower terminal, rearwardly diverging fender bars pivoted at their forward ends to the upright, and means connecting the upright and fender bars, to a drill machine.

2. An attachment of the class described comprising a vertical upright, spaced rearwardly diverging fender bars pivoted at their forward ends to the upright means for connecting to the fender bars to a drill frame whereby they may be vertically and laterally adjusted relative to said frame, and means detachably connecting the upright at the forward end of the drill frame.

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

MILO J. WHITEMAN.
JOSEPH CHEHEY.

Witnesses:

C. A. PHILLIPS,
CHAS. O'CONNOR.