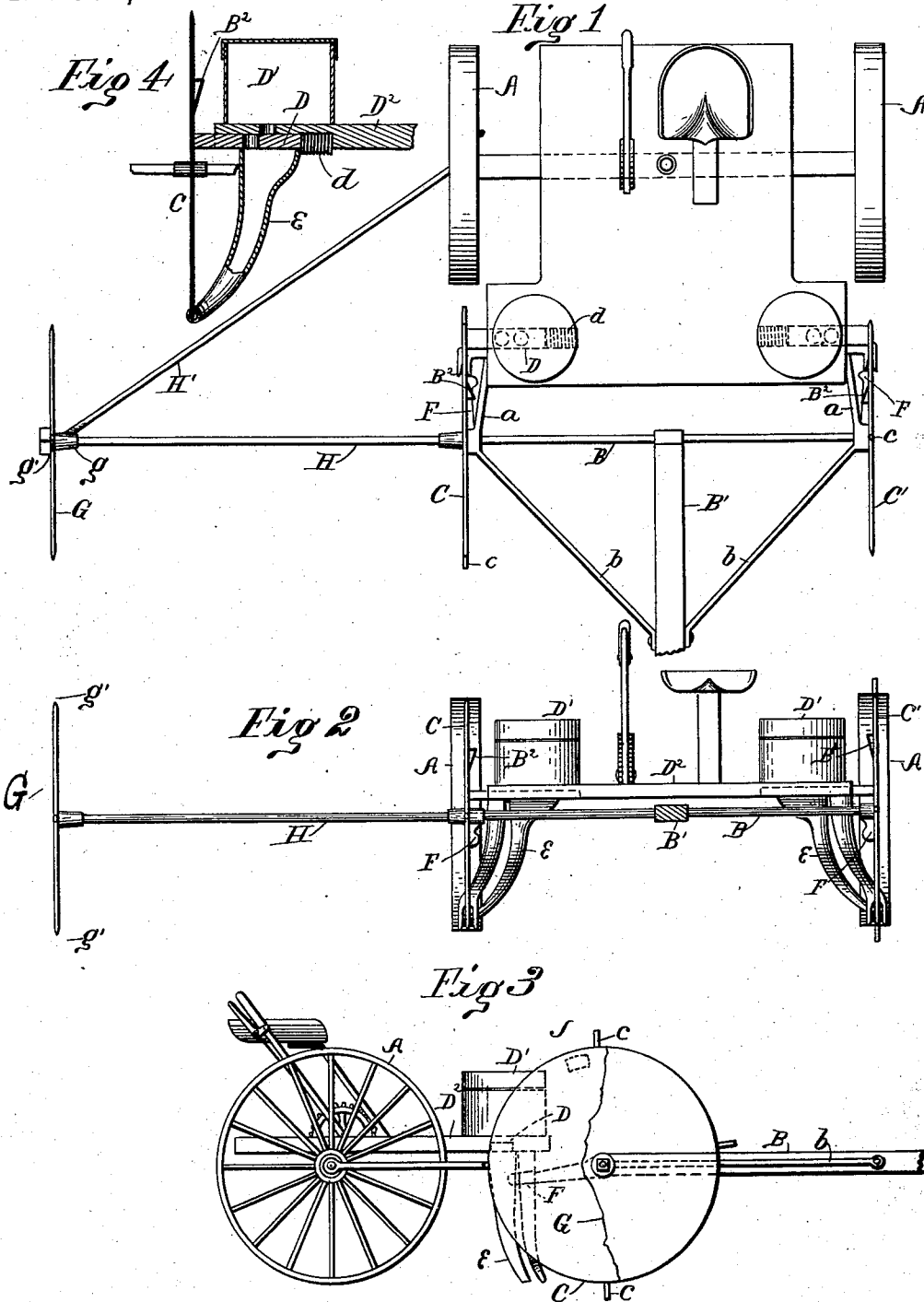


(No Model.)

J. C. BENEDICT.
CHECK ROW CORN PLANTER.

No. 506,462.

Patented Oct. 10, 1893.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN C. BENEDICT, OF NEW ALBANY, KANSAS.

CHECK-ROW CORN-PLANTER.

SPECIFICATION forming part of Letters Patent No. 506,462, dated October 10, 1893.

Application filed February 13, 1893. Serial No. 462,115. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. BENEDICT, a citizen of the United States, residing at New Albany, in the county of Wilson and State of Kansas, have invented certain new and useful Improvements in Check-Row Corn-Planters; and I 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.

This invention relates to an improvement in check-row corn planters and it consists in the construction and arrangement of parts hereinafter described and definitely pointed out in the claims.

The aim and purpose of the invention are the provision of an improved corn planter provided with a check rower, which may be used for planting or drilling corn, and which will be cheaply manufactured, and strong and durable. These objects are attained by the construction illustrated in the accompanying drawings wherein like letters of reference indicate corresponding parts in the several views and in which—

Figure 1 is a top plan view of the machine. Fig. 2 is a front elevation. Fig. 3 is a side elevation with the rear wheel partly removed, and Fig. 4 is a detail section of the dropping mechanism.

In the drawings A, A, represent the main or covering wheels mounted on an axle on which are supported the feed mechanism and seat. This frame has connected at its forward end suitable bars *a* which are pivotally secured on axle B, at the forward end of the machine. To the axle B is secured the tongue B' which is braced by suitable braces *b*. On the end of axle B are secured flat iron wheels or disks C, C', arranged directly in front of the covering wheels, with fixed suitable check rowers, or indicating pins *c* so that either wheel may be used for check rowing.

The feed mechanism consists of a perforated slide D, located at the bottoms of the hoppers D' under the platform D², the slides being actuated by returning springs *d* in one direction and in the opposite direction by inclined lugs B², located on the inner faces of the wheels C, C'. The inclined faces of the lugs strike the slides or extensions thereof and

force the same back, until the feed holes register, the springs returning the slides to their normal positions in the path of the lugs. There are preferably two lugs on each wheel but their number may be increased if desired. Below the feed hoppers are the flukes E, directly in front of the covering wheels. The plows for these flukes are divided centrally and closely embrace the sides of the wheels C, C' with which the ditch or furrow is made. The wheels C, C', being thin and of iron necessarily penetrate the soil for a short distance.

To thoroughly clean the wheels scrapers F are secured to the frame and extend out in opposite sides of the wheels in contact therewith.

By blocking one of the slides or omitting the corn from the hopper on one side, the wheel C' on that side may be used as the check row wheel.

When the machine is used with both feeds, a check row wheel G is secured to the machine in the following manner: H is a rod having a square socketed end which is removably secured on the end of axle B. This rod extends directly out from the axle, and carries the check row wheel G rigid thereon so that the same will revolve with the axle B. This wheel is held in position by a brace rod H', extending obliquely from the hub of the wheel G, at which point it is secured by a suitable collar *g*, to the end of the axle, of the covering wheels, which axle is non rotatable, and is there keyed or secured in any desirable manner so that it can be readily removed. The wheel G is of thin metal and has the markers *g'* thereon, so that a mark is left in the soil in which one of the other wheels C or C' may trail. The lever mechanism may be of any desired style.

It is evident that many minor changes in the construction and arrangement of the parts of the machine can be made, and substituted for those herein shown and described without in the least departing from the nature and principle of my invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a check row corn planter, the combination with the covering wheels of the thin

metal disks; in front thereof, axles on which the wheels and disks are mounted, feed mechanism consisting of hoppers perforated spring actuated slides and inclined lugs on the disks
5 engaging the slides, and a removable check row wheel to one side of the machine, consisting of a disk having indicating pins thereon, substantially as described.

2. In a check row corn planter, the combination with the frame of two thin metal disks
10 mounted on the front axle of the machine covering wheels on the rear axle inclined lugs

on the inner faces of the disks, the slides actuated by the lugs, flukes, below the feed, split plows between which the disks pass, and 15 scrapers for the disks, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN C. BENEDICT.

Witnesses:

WM. STIVERS,

JAMES M. KENNEDY.