

(No Model.)

W. F. JOHNSON.

CHECK ROW WIRE.

No. 297,265.

Patented Apr. 22, 1884.

Fig. 1.

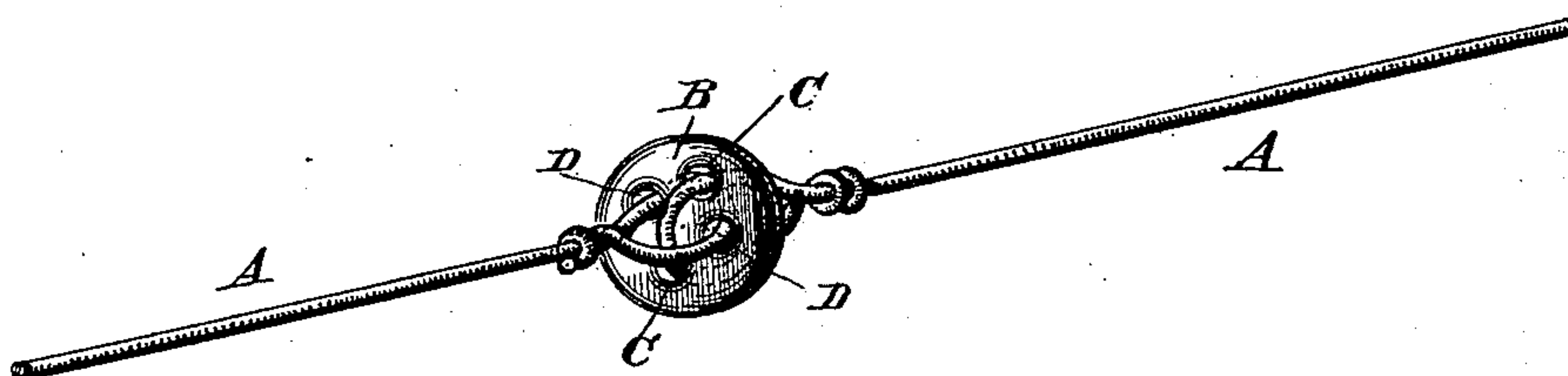
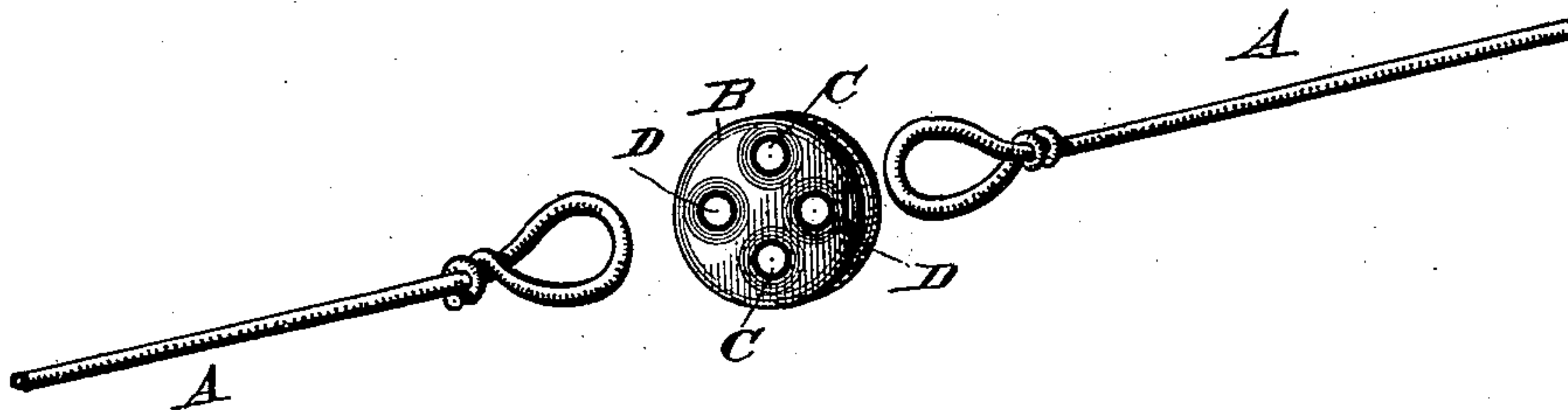


Fig. 2.



WITNESSES

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WILLIAM F. JOHNSON, OF STERLING, ILLINOIS, ASSIGNOR TO GEORGE S. TRACY AND THOMAS A. GALT, BOTH OF SAME PLACE.

CHECK-ROW WIRE.

SPECIFICATION forming part of Letters Patent No. 297,265, dated April 22, 1884.

Application filed January 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. JOHNSON, a citizen of the United States, residing at Sterling, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Check-Row Wires; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention has reference to certain improvements in the construction of wires for actuating check-rowers in planting corn; and it consists, essentially, in the interposition of a perforated washer between the connected ends of the sections of such wire. Two objections have heretofore existed to the check-row wire as differently made. If made without frequent joints, such wire was too stiff and unwieldy. If constituted of frequent joints, created by mutually articulating the contiguous ends of the sections of such wire, such sections were predisposed to catch or "kink" at their points of juncture, and thus interrupt the operation of the machine, if not actually break some of its lighter parts. In my invention, by placing a perforated washer or button in the joint between such sections, I have rendered it practicable to have a joint at each point in the wire which actuates the check-rower, and yet perfectly preclude all danger of "kinking" such wire.

In the drawings, Figure 1 represents a section of check-row wire embodying my invention. Fig. 2 is a detached view of the parts involved therein.

A A are the sections of the check-row wire, having their adjacent ends suitably looped together in intervals at which it is desired to actuate the check-rower.

B is a washer or button designed to actuate the check-rower, and provided with the holes

C C and D D, formed through its disk. The end of one of the sections A is passed through one of the holes C, and returned through the other hole C and firmly twisted upon itself. The adjacent end of the next section, A, is passed in a contrary direction through one of the holes D, and back through the other hole D, and in like manner twisted firmly upon itself. In this operation each of the sections A is passed through or looped in the adjacent end of the other; yet there is interposed between the adjoining ends of such sections the center portion of the button B; and in the movements of the wire, when slacked, the button B is constantly interposed between the adjoining ends of the sections A, thereby preventing such sections from catching or kinking upon each other, while the frequency of such joints renders the wire sufficiently flexible and pliable for all requirements. In this construction it is obvious that the full strength of the wire is retained, and that the button B is subject to no strain except that of actuating the check-rower. Another advantage is that the button B operates as a cushion, and prevents the ends of the sections A from cutting into and wearing each other. The button B is made of sufficient size and strength to actuate the check-rower in the usual way.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

The combination of the button B, provided with two or more holes through its disk, and the sections A A, the ends of such sections being looped together, and the central portion of such button being interposed between the engaging ends of such sections, substantially as shown, and for the purpose described.

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

WILLIAM F. JOHNSON.

Witnesses:

WALTER N. HASKELL,
L. T. JOHNSON.