

(No Model.)

J. W. HUDSON.  
Check-Rower Rope for Corn-Planter.

No. 227,787.

Patented May 18, 1880.

Fig. 1.

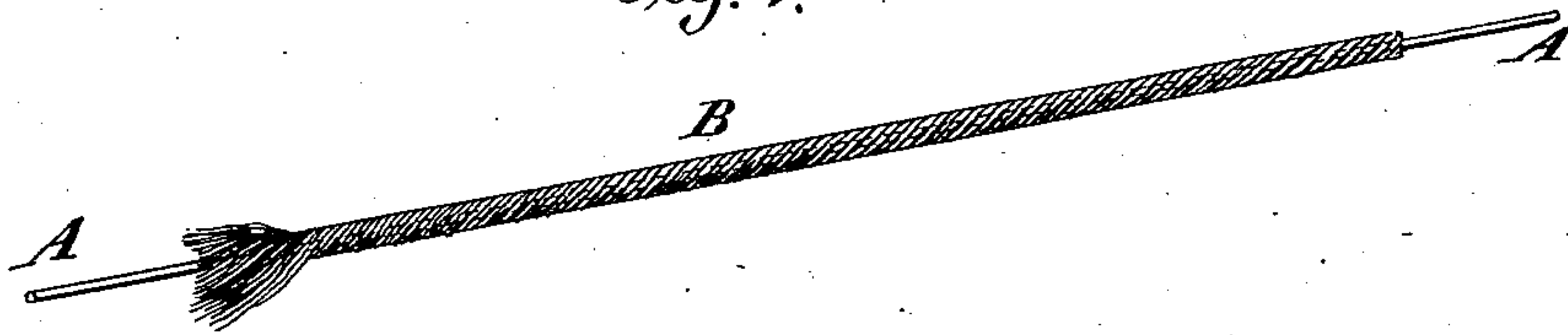


Fig. 2.

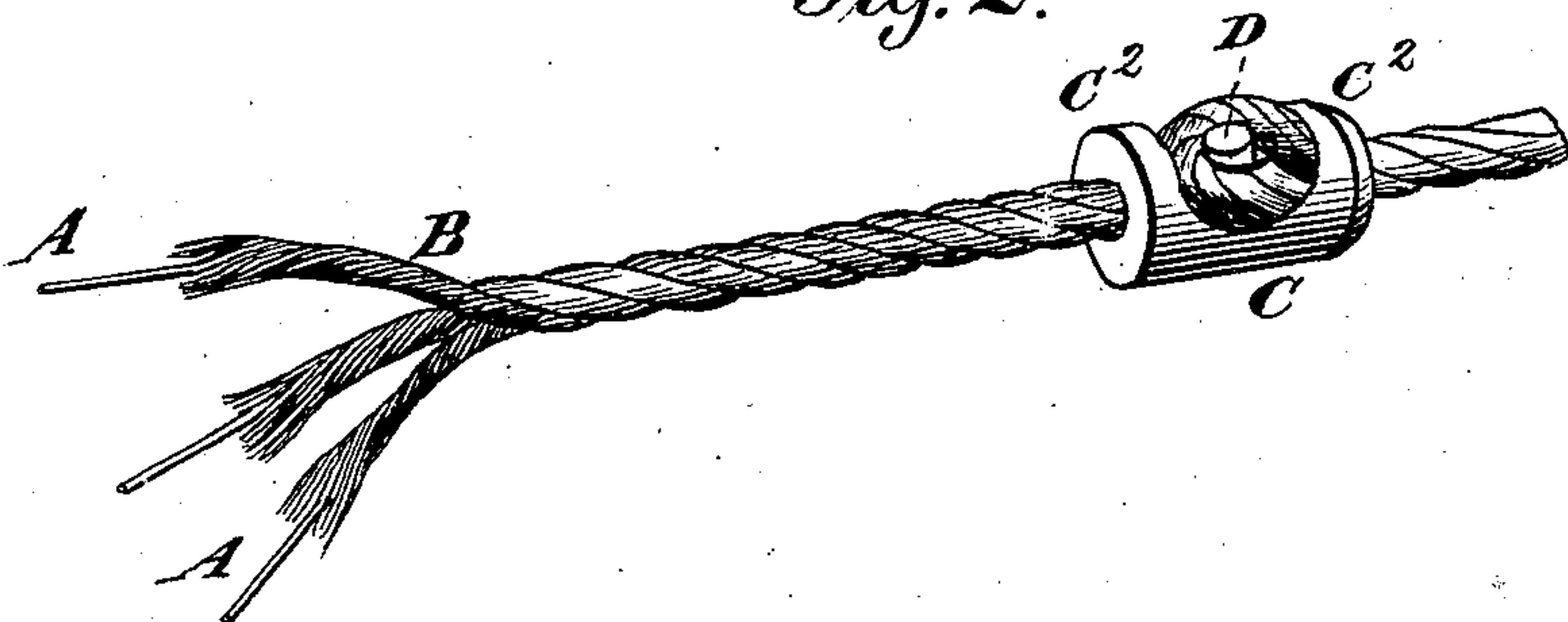


Fig. 3.

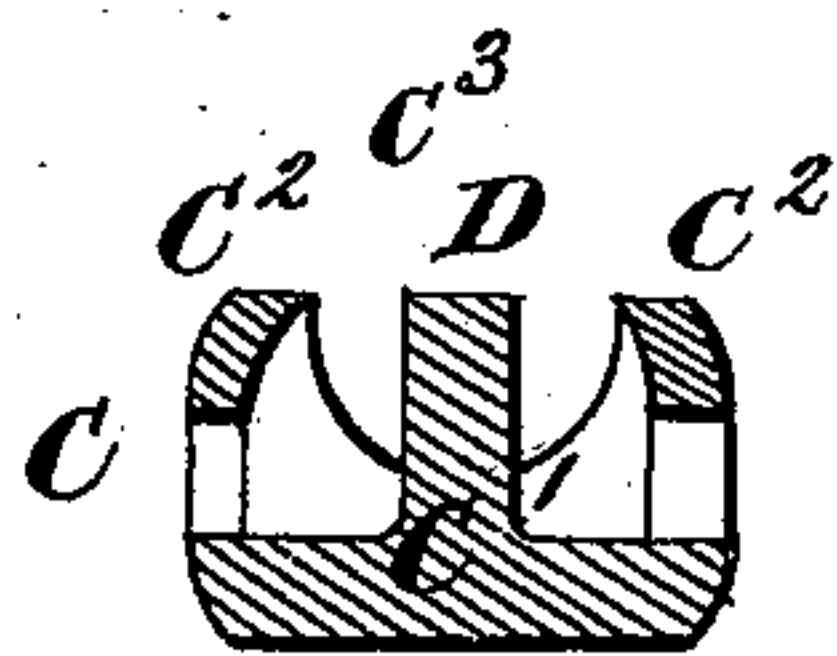
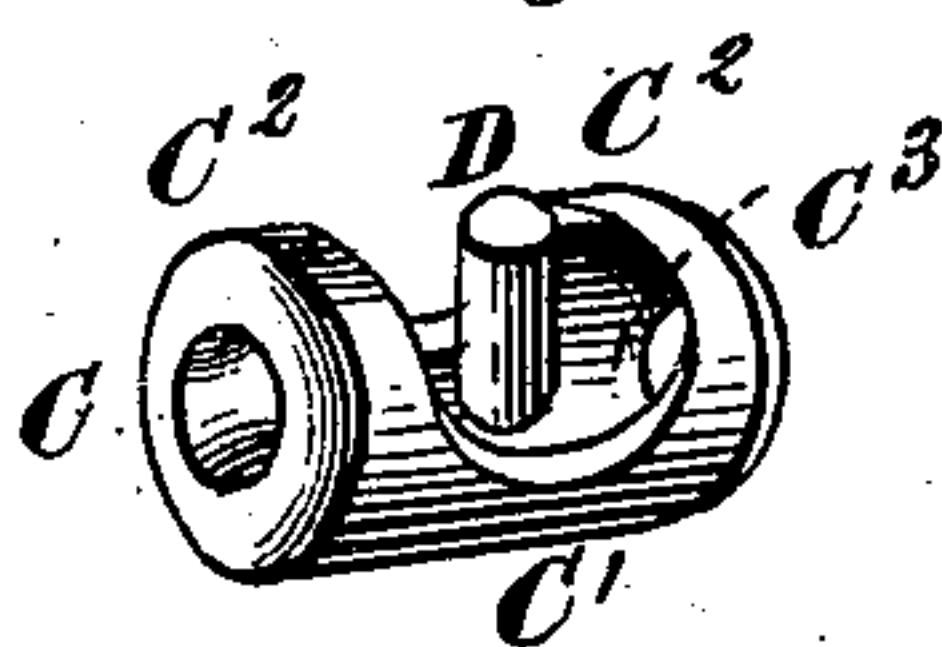


Fig. 4.



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# UNITED STATES PATENT OFFICE.

JOHN W. HUDSON, OF WELLINGTON, ILLINOIS.

## CHECK-ROWER ROPE FOR CORN-PLANTERS.

SPECIFICATION forming part of Letters Patent No. 227,787, dated May 18, 1880.

Application filed March 27, 1880. (No model.)

*To all whom it may concern :*

Be it known that I, JOHN W. HUDSON, of Wellington, in the county of Iroquois and State of Illinois, have invented certain new and useful Improvements in Check-Rower Ropes for 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to a rope and attached button especially adapted for service upon a check-rower machine or upon that class of machines for planting grain in which a rope anchored at each side of a field is employed to operate the feed-bar of a traveling planter; and the novelty consists in the construction and arrangement of such rope in connection with the operating-button and the peculiar construction of said button, as will be more fully hereinafter set forth.

In ropes of this kind it is an important desideratum to avoid and prevent elasticity in the rope, as such elasticity would not only tend to clog the feed or seeding mechanism, but it would cause deviating rows. To provide for the avoidance of such deleterious results I employ, in connection with a button constructed as hereinafter described, a rope having one or more of its strands formed with a wire core wound while stretched or extended with textile or fibrous material, as hereinafter more clearly set forth.

In the construction of such strands the wire should be wrapped with the fibrous material while said wire is upon an extended strain, and the strands twisted, braided, or otherwise formed into the rope while at least one wire is extended to its utmost.

The rope, whether one or more strands having wire cores are employed, should be sufficiently facile to allow a curvature around a small lug, stud, or the like.

In carrying out my invention I employ, in connection with the rope constructed after the manner set forth, a button or lug, the same being of metal, made in one piece, and having a central stud, around which the rope is locked in such a manner as to secure it in any desired

position by the bight of such rope upon the central stud.

As shown, the button consists of a cylindrical body having an open face and a rigid stud arranged diametrically between the solid portion and open portion. This button may be constructed so as to be applied or removed at will to or from any portion of the extended rope; and to this end the jaws forming the lateral sides may be open or snap-catched, which I am aware is not new.

The rope passes around the stud and becomes locked thereto by reason of the bight. The button is thus fixed at will, and may be removed or detached at pleasure.

Figure 1 is a perspective view of one of the strands of my rope. Fig. 2 is a similar view of the rope with my button attached. Fig. 3 is a vertical longitudinal section of the button, and Fig. 4 is a perspective view of the button detached.

Referring to the drawings, A represents the metal core of wire employed as a strand-core, and B the fibrous covering therefor.

C represents the button or lug, adjustably secured to said rope. The button C consists of the solid portion C' and the interiorly-beveled wings C<sup>2</sup>, between which is the open face C<sup>3</sup>. From the solid portion C', extending toward the mouth of the open face, between the wings C<sup>2</sup>, is a lug or stud, D, around which the rope is adapted to operate.

The button operates the feed-bar in the ordinary manner.

What I claim is—

1. The button C, consisting of the solid portion C', having a stud, D, projecting into the open space C<sup>3</sup>, and beveled wings C<sup>2</sup>, as shown and described.

2. The herein-described check-rower rope for corn-planters, consisting of the strands A B, constructed as described, the button C C' C<sup>3</sup>, the beveled wings C<sup>2</sup>, and lug D, as and for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 20th day of March, 1880.

JOHN W. HUDSON.

Witnesses:

R. M. HAMILTON,  
JOS. H. POTTER.