

(No Model.)

J. MILLER.

COMBINED CLOD CRUSHER AND SOD AND STALK CUTTER.

No. 273,123.

Patented Feb. 27, 1883.

Fig. 1,

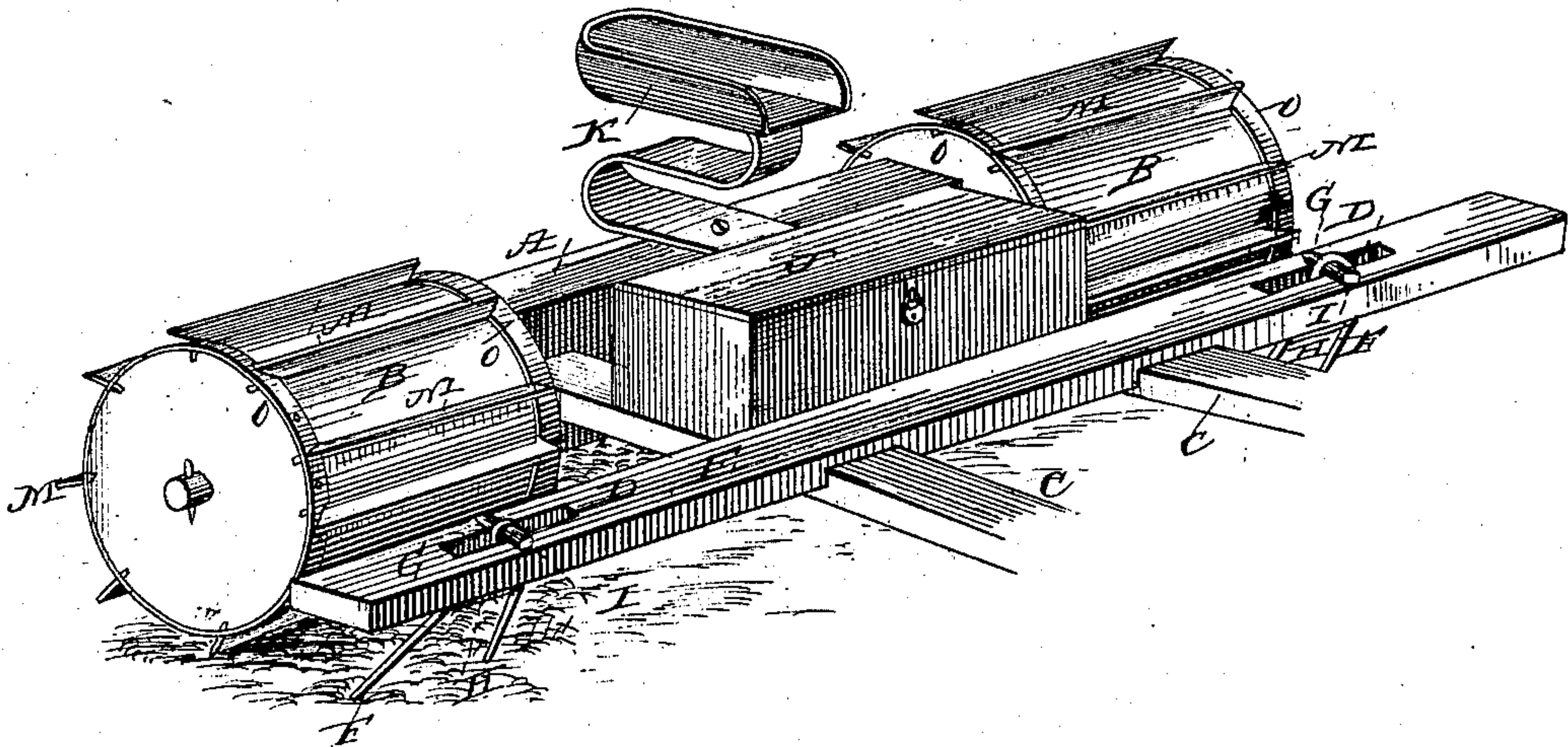


Fig. 2,

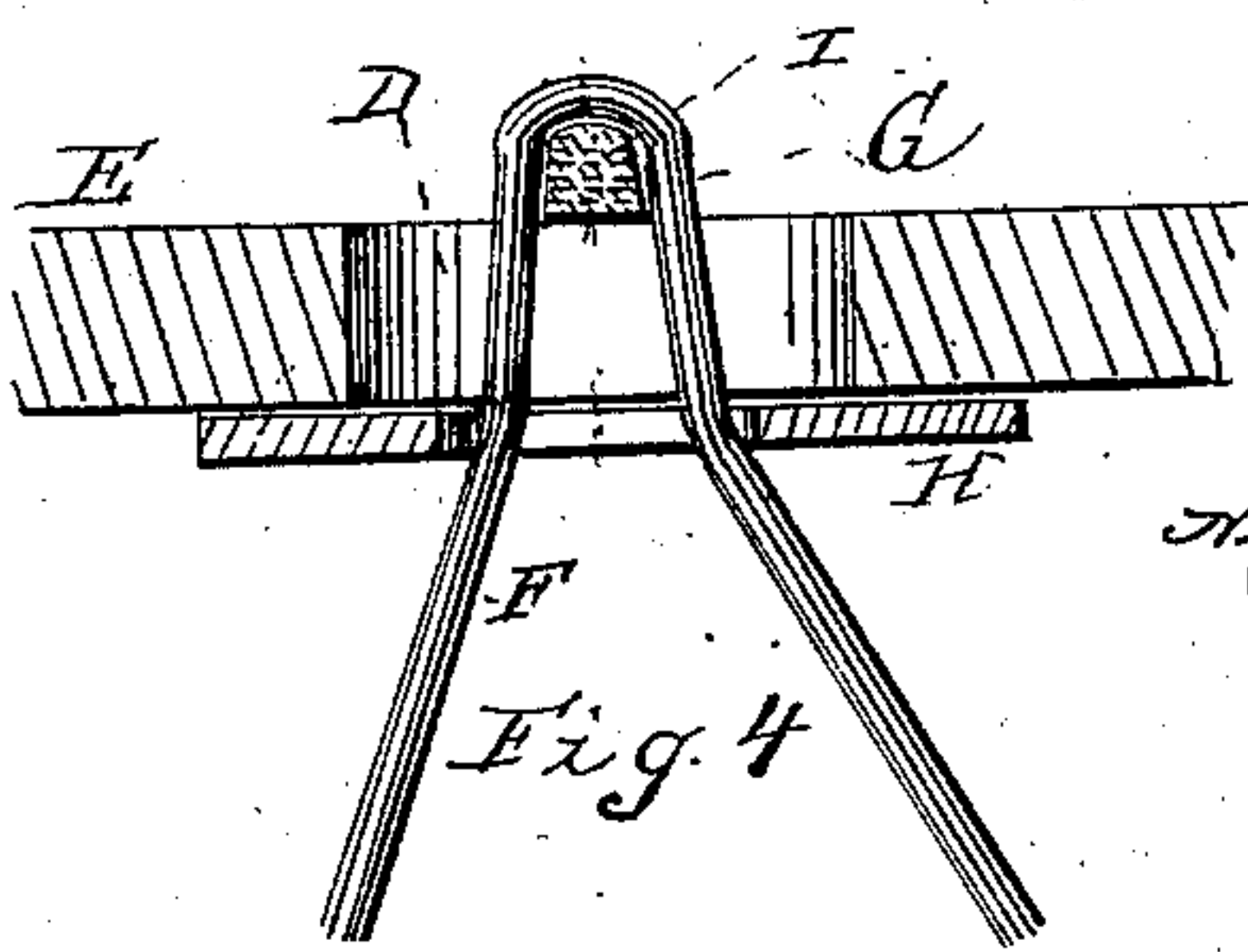
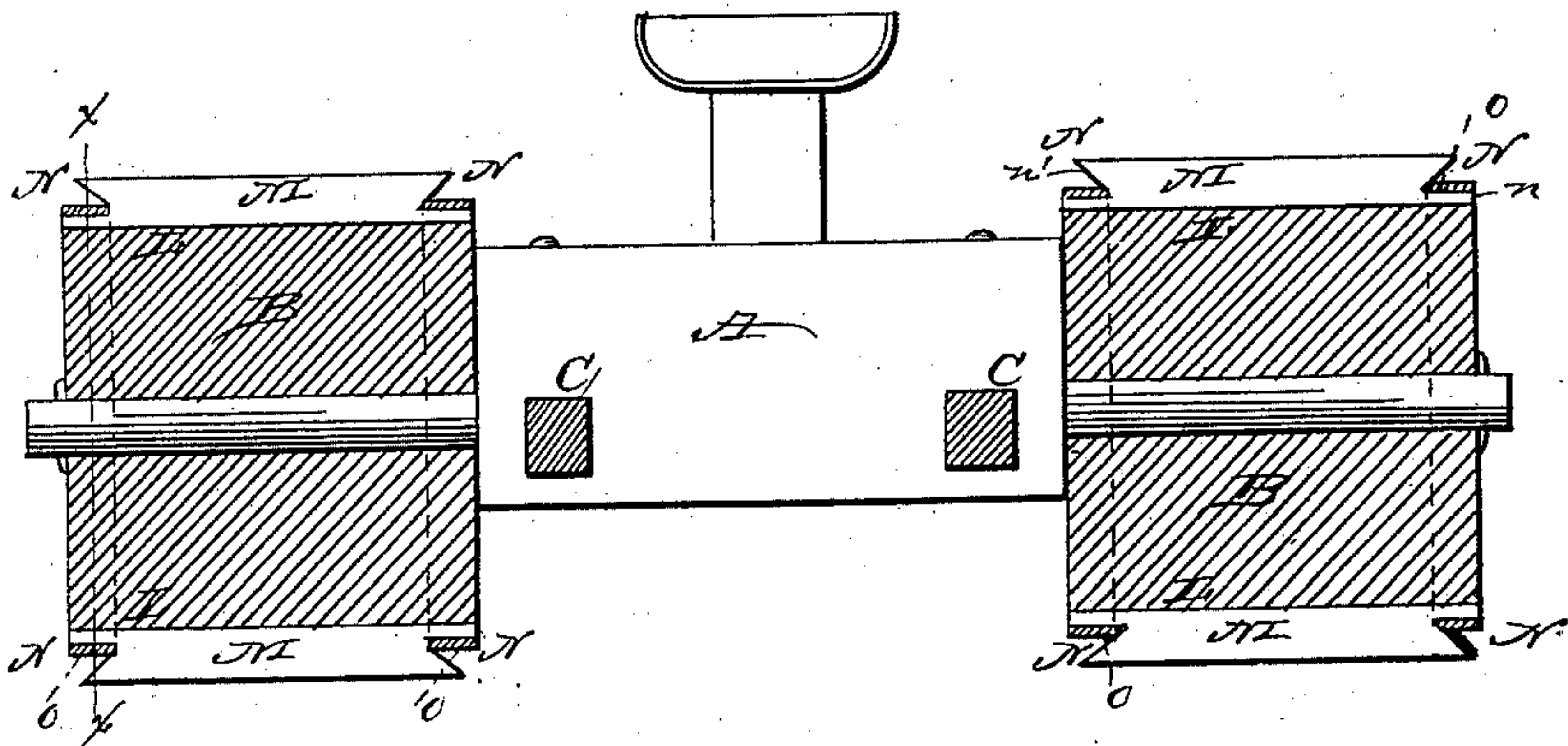
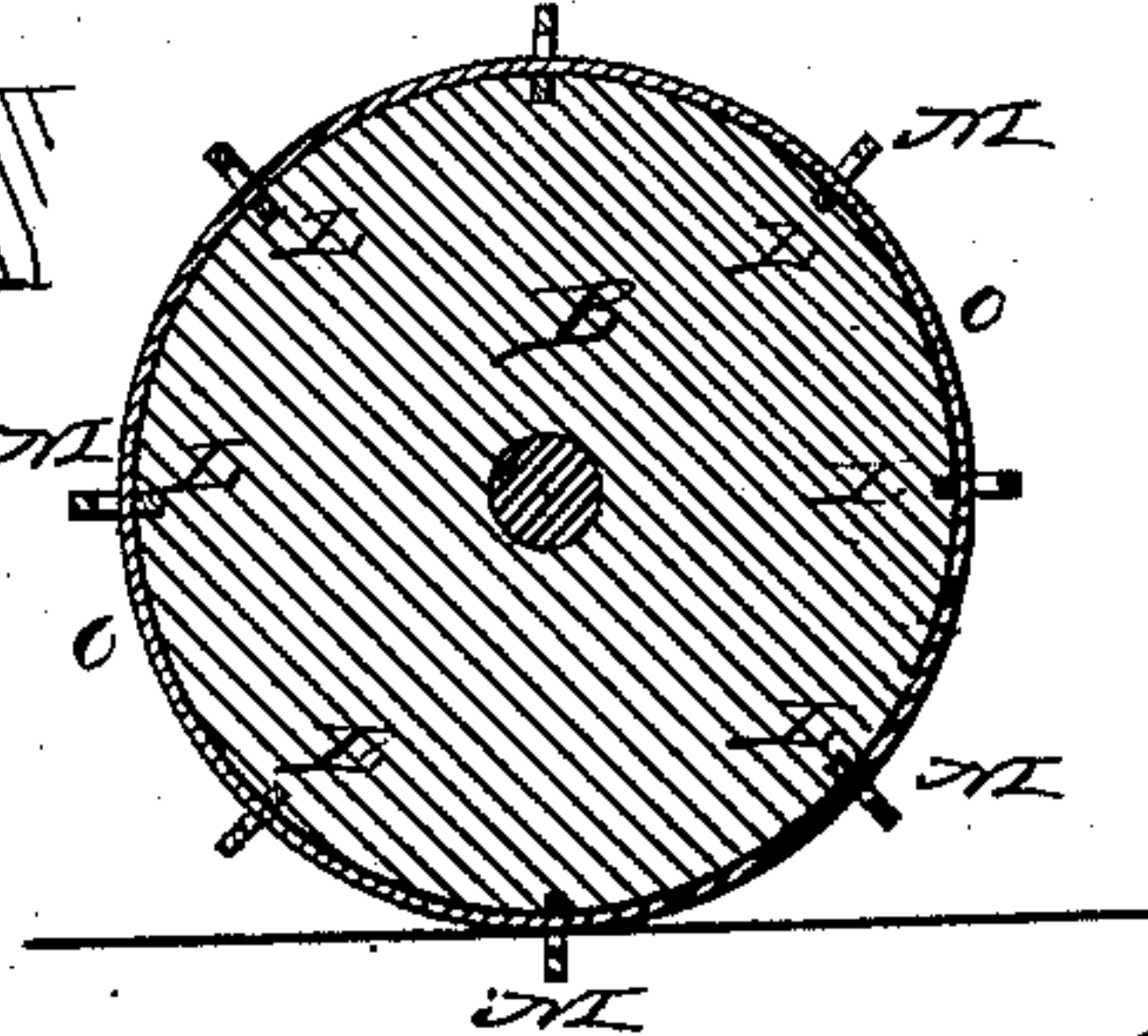


Fig. 3



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN MILLER, OF WILL'S POINT, TEXAS.

## COMBINED CLOD-CRUSHER AND SOD AND STALK CUTTER.

SPECIFICATION forming part of Letters Patent No. 273,123, dated February 27, 1883.

Application filed October 30, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN MILLER, of Will's Point, in the county of Van Zandt and State of Texas, have invented certain new and useful  
5 Improvements in Combined Clod-Crusher and Sod and Stalk Cutters; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it ap-  
10 pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is perspective view of my improved stalk-cutter and clod-crusher. Fig. 2 is a ver-  
15 tical sectional view taken through the rollers. Fig. 3 is a section on the line *x x*, Fig. 2; and Fig. 4 is a sectional detail view of the stalk-gathering device.

Corresponding parts in the several figures  
20 are denoted by like letters of reference.

This invention relates to an improved combined clod-crusher, sod-cutter, and stalk-cut-  
ting machine, the construction of which will be hereinafter fully described, and particularly  
25 pointed out in the claims.

Referring to the drawings hereto annexed, A represents a suitable axle, upon the ends of  
30 which a pair of cylindrical rollers, B, of any desired dimensions, are mounted, as shown.

C C are the thills or shafts, which are at-  
tached to the axle A, between the rollers, and  
connected in front of the latter by a cross-bar,  
E, having slots D. Adjustable in said slots,  
in front of each roller, are the stalk-gatherers  
35 F, which are formed of flexible metallic rods or wire by bending the same into  $\Lambda$  shape, and forming at the point or apex a loop or eye, G, upon which a metallic plate or washer, H, is  
adjusted. The loop or eye G projects upward  
40 through the slot D, above which it receives a wedge, I, serving to hold the stalk-gathering device securely in position. This device, it  
will be seen, is exceedingly simple and inex-  
pensive, and may be readily detached when  
45 the machine is to be used for other purposes than for cutting stalks.

Supported upon the shafts, just in front of the axle, is a box, J, in which stones or other weights may be placed. A suitable spring-seat, K, for the driver is mounted upon the 50 axle.

The rollers B are each provided with grooves L, longitudinally in direction of their length, to receive the knives or cutters M. The latter  
are provided at their ends with notches N to 55 receive the bands O, which are adjusted upon the ends of the rollers, and which thus serve to hold the knives or cutters in position. The notches N form projections *n* from the lower part of the end of the cutters, over which the 60 loop or ring O is slipped, while the beveled upper parts, *n'*, of the ends of the cutters project over the ring.

The operation of my invention will be readily understood from the foregoing description, 65 taken in connection with the drawings hereto annexed. It may be used equally well and effectively as a clod-crusher, as a sod-cutter, or as a stalk-cutter.

The entire machine is exceedingly simple, 70 and may be constructed at a trifling cost.

I claim and desire to secure by Letters Patent of the United States—

1. The combination, with the slotted beam E, of the stalk-gathering device consisting of 75 the bent wires or rods forming eyes G, and diverging at their lower ends, and held in place by the plate or washers H below the beam and wedge I above the beam, all arranged and operating as set forth. 80

2. The combination, with the stalk-gathering device described, of the frame, the slotted cross-bar, and the rollers having cutting-blades, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as 85 my own I have hereunto affixed my signature in presence of two witnesses.

JOHN MILLER.

Witnesses:

L. Z. SCOTT,  
I. D. FERGUSON.