

No. 710,211.

Patented Sept. 30, 1902.

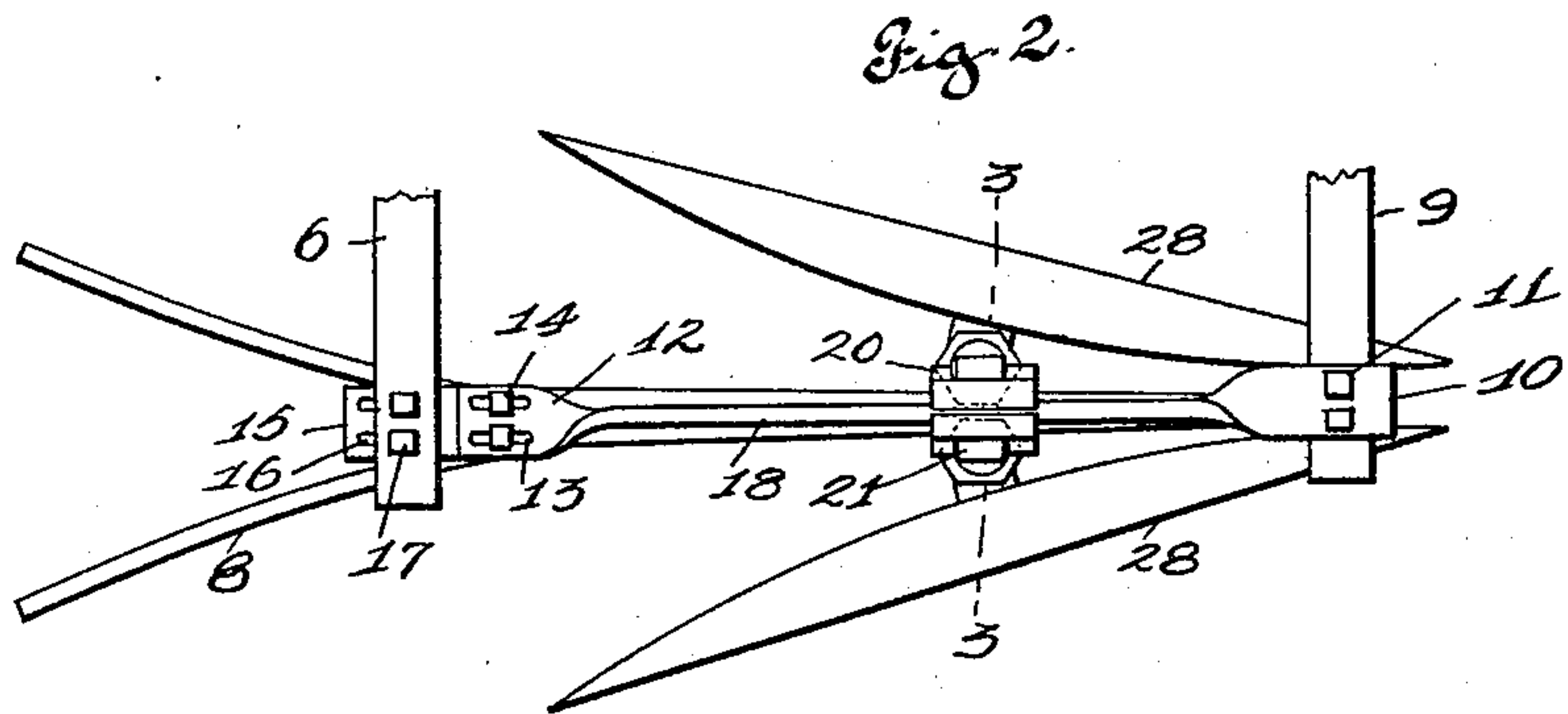
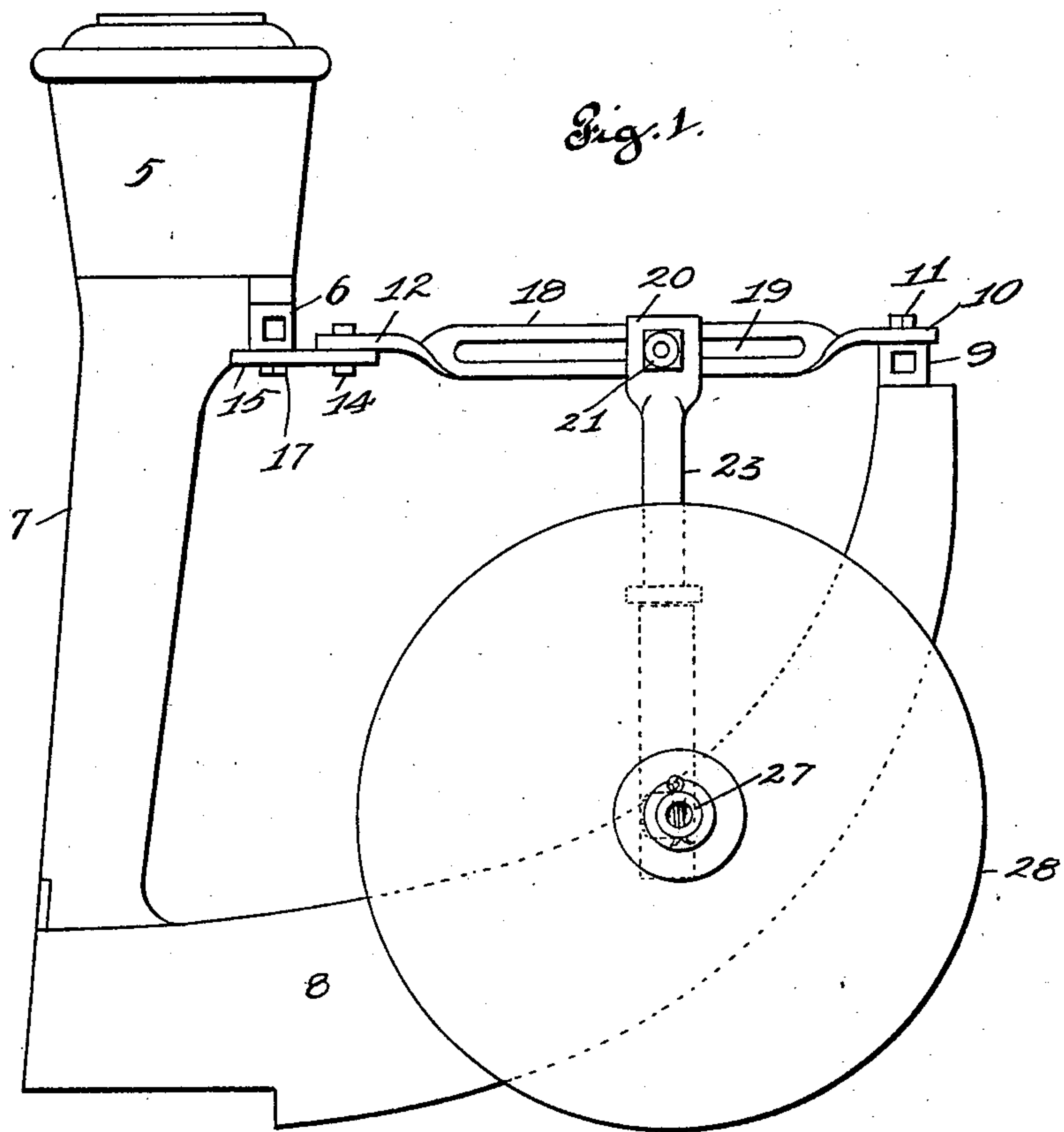
H. RENTSCH.

DISK CUTTER ATTACHMENT FOR CORN PLANTERS.

(Application filed June 3, 1902.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses
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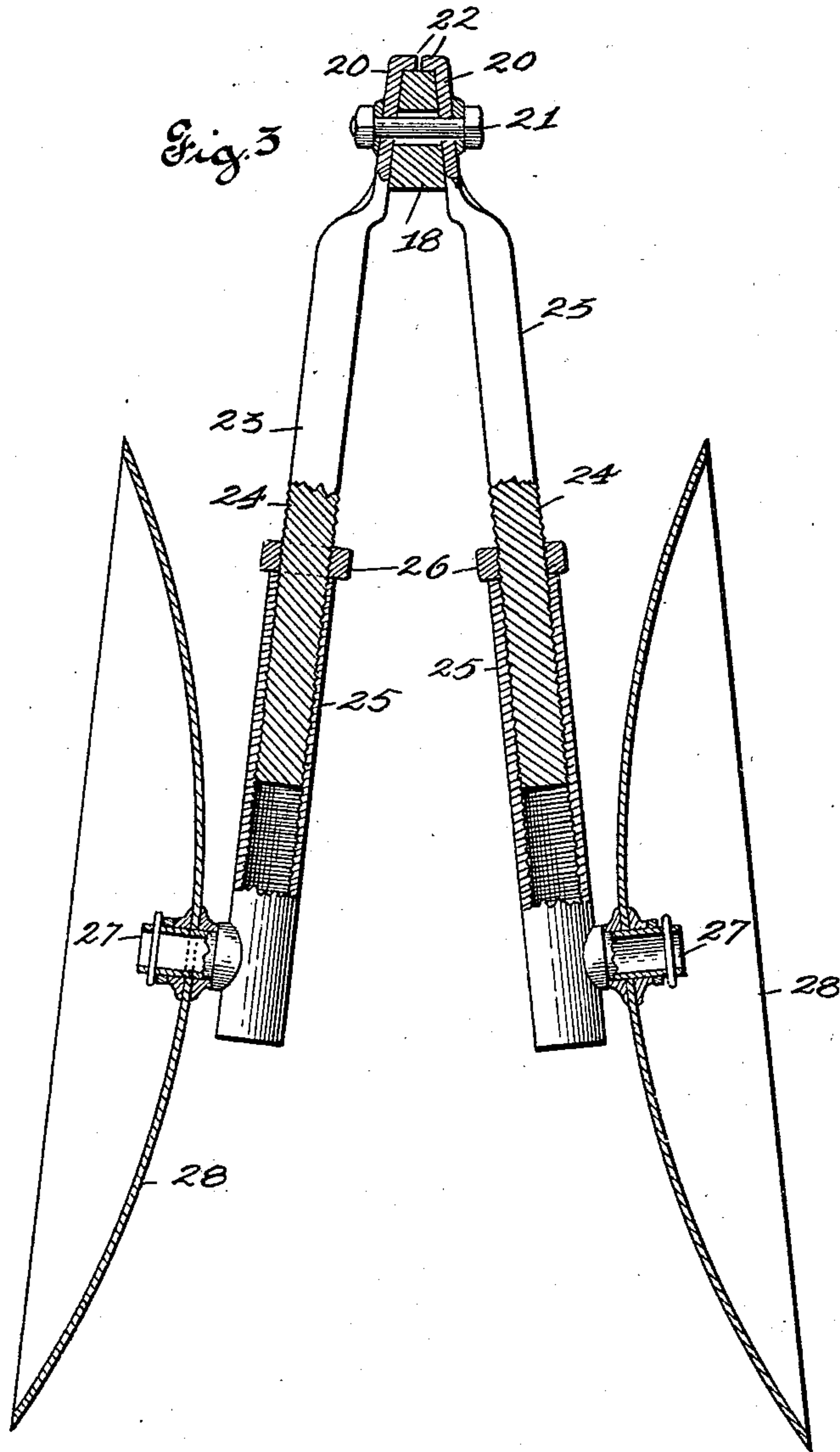
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UNITED STATES PATENT OFFICE.

HENRY RENTSCH, OF BACON, MISSOURI.

DISK CUTTER ATTACHMENT FOR CORN-PLANTERS.

SPECIFICATION forming part of Letters Patent No. 710,211, dated September 30, 1902.

Application filed June 3, 1902. Serial No. 110,108. (No model.)

To all whom it may concern:

Be it known that I, HENRY RENTSCH, a citizen of the United States, residing at Bacon, Missouri, have invented certain new and useful Improvements in Disk Cutter Attachments for Corn-Planters, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My object is to construct an improved furrow-opener for corn-planters; and my invention consists of the novel features herein shown, described, and claimed.

Figure 1 is a side elevation showing my improved furrow-opener in position for use. Fig. 2 is a top plan view of the parts shown in Fig. 1, the seedbox being omitted and the frame being broken away. Fig. 3 is a detail cross-section, upon an enlarged scale, taken approximately on the line 3 3 of Fig. 2.

Referring to the drawings in detail, the seedbox 5 is mounted upon the frame 6 and has a spout 7 leading to the heel of the runner or furrow-opener 8 in the ordinary way. The cross-bar 9 connects the forward ends of the runners. The adjustable supporting-bar 18 has its forward end 10 turned to a horizontal position and secured to the cross-bar 9 by the bolt 11. The rear end 12 of the supporting-bar has longitudinally-extending slots 13, through which the bolts 14 are inserted, and the extension-plate 15 is secured to the end 12 by said bolts 14, as required to adjust the length of the supporting-bar, and the extension-plate has longitudinally-extending slots 16 to receive the bolts 17 and secure the plate adjustably to the frame 6. The forward end 10 rests on top of the cross-bar 9, whereas the rear end 15 is mounted under the frame 6. The object of this arrangement is to provide a construction which may be readily applied to the ordinary corn-planter, the bolts 11 and 17 being already in the planter.

The central portion 18 of the supporting-bar is wedge-shaped in cross-section, as shown in Figs. 2 and 3, the base of the bar being narrower at the front end than at the rear end, as shown in Fig. 2. A longitudinally-extending horizontal slot 19 is formed through the supporting-bar, as shown in Figs. 1 and 3. Clamping-plates 20 are placed one on each

side of the supporting-bar, and a bolt 21 is inserted through the slot 19 to hold the plates rigidly in position upon the bar. The upper edges of the clamping-plates are turned inwardly to form the flanges 22, which engage the upper edge of the supporting-bar. The posts 23 extend downwardly from the clamping-plates 20, there being screw-threads 24 upon the lower ends of said posts. The tubes 25 are screw-seated upon the lower ends of the posts 23 and held adjustably in position by means of the lock-nuts 26. Stud 27 extends laterally from the lower ends of the tubes 25, and the disks 28 are rotatably mounted upon said studs.

The disks engage the ground in front of the runner, as shown in Figs. 1 and 2, the forward edges of the disks being comparatively close together and the rear edges wide apart. The relative angles of the disks may be changed by rotating the tubes 25 upon the posts. The distance between the lower ends of the tubes 25 may be changed by moving the clamping-plates 20 back and forth upon the supporting-bar by virtue of the varying width of the lower side of the supporting-bar.

By means of the adjustable length of the supporting-bar the device may be readily attached to corn-planters in which the distance between the frame 6 and cross-bar 9 varies.

I claim—

1. The combination with a corn-planter, of a supporting-bar, two supporting-posts 23 fixed to and extending downwardly from said supporting-bar, tubes 25 revolubly mounted upon said posts, disks carried by said tubes, and means whereby the latter may be adjusted at various angles upon the said posts, substantially as specified.

2. The combination with a corn-planter; of an adjustable supporting-bar; the central portion of which is wedge-shaped in cross-section, and narrower at the top than at the bottom; clamping-plates adjustably mounted upon the supporting-bar; posts extending downwardly from the clamping-plates; and disks adjustably mounted upon the posts; substantially as specified.

3. The combination with a corn-planter, of a supporting-bar, two supporting-posts 23 fixed to and extending downwardly from said

supporting-bar, and provided with screw-
threads, tubes 25 provided with internal
screw-threads and revolubly mounted upon
said posts, locking-nuts 26 for securing said
5 tubes against rotation upon said posts, and
disks carred by the said tubes, substantially
as described.

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

HENRY RENTSCH.

Witnesses:

ALFRED A. EICKS,
M. G. IRION.