No. 734,304. PATENTED JULY 21, 1903.

T. E. CRECELIUS.

BAND CUTTER.

APPLICATION FILED JAN. 22, 1903.

NO MODEL.

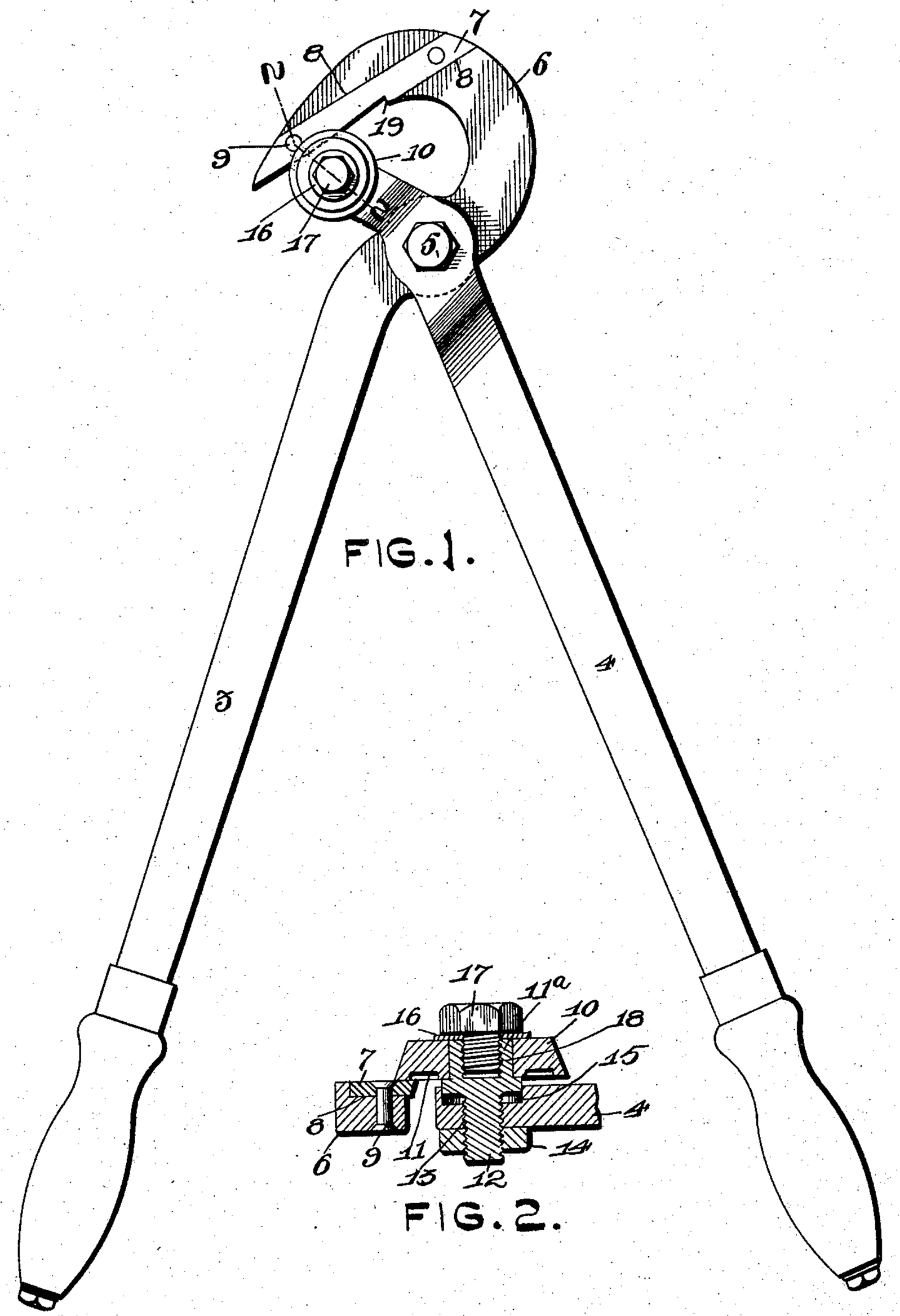

FIG. 1.

FIG. 2.

ATTEST

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ATTYS.

No. 734,304. Patented July 21, 1903.

UNITED STATES PATENT OFFICE.

THEODORE E. CRECELIUS, OF ST. LOUIS, MISSOURI, ASSIGNOR TO CRESCENT NOVELTY COMPANY, OF ST. LOUIS, MISSOURI, A CORPORATION OF MISSOURI.

BAND-CUTTER.

SPECIFICATION forming part of Letters Patent No. 734,304, dated July 21, 1903.

Application filed January 22, 1903. Serial No. 140,102. (No model.)

To all whom it may concern:

Be it known that I, THEODORE E. CRECELIUS, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Band-Cutters, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in band-cutters, and has for its object to provide a band-cutter with an adjustable rotatable cutting member.

In the drawings which form a part of this specification, Figure 1 is a side view of the band-cutter embodying my invention. Fig. 2 is a transverse sectional view of the cutting members along the line 2 2 in Fig. 1.

The handles 3 and 4 are pivotally connected by the bolt 5. The handle 3 terminates in the hook 6, and upon the inner face of the jaw 6 I have provided the cutting edge 7, which is set into the recess 8 and mounted therein by means of rivets 9. Upon the end of the handle 4 the cutting-disk 10 is mounted. The cutting-disk 10 is of the form shown in section in Fig. 2, having a concentric circular depression 11 upon its lower face, the object of the depression 11 being to accommodate the cutting-disk 10 to the wear occasioned by the friction between its biting-surface and the cutting edge 7. The cutting-disk 10 is rotatably mounted upon the handle 4 by means of an axle 11^a, formed as shown in section in Fig. 2 and provided with the threaded end 12, which is screwed through the corresponding threaded opening 13 in the handle 4 and locked in position by means of a nut 14. Proper lateral play for the adjustment of the axle 11^a is provided by means of the circular recess 15 in the handle 4. The washer 16 is provided to fit upon the outer faces of the axle 11^a and cutting-disks 10, and through it the screw 17 passes and is secured into the opening 18 in the axle 11^a, which is threaded to receive it. As the cutting-surface of the cutting-disk 10 becomes worn the axle 11^a is adjustable by means of the screw 12 and nut 14, so as to bring the cutting edge 7 into contact with the cutting-surface of the cutting-disk 10.

The mode of operation of my band-cutter is as follows: The handles 3 and 4 are drawn apart to carry the cutting-disk 10 away from contact with the cutting edge 7. The pointed end of the cutting edge 7 is then inserted beneath the band to be cut and is slid thereunder until the band is arrested and held by the notch 19. The handles 3 and 4 are then brought together, and the band is cut by the impact of the cutting-disk 10 and the cutting edge 7.

The utility of the concentric circular depression 11 upon the lower face of the cutting-disk 10 is to accommodate the wear, as hereinbefore set forth, permitting the worn face of the disk 10 to be accurately brought down to contact with the cutting edge 7 by tightening the screw 12. Were the disk 10 not so provided with the depression 11, the wear upon its lower surface would tend to bevel its edge outwardly and away from the cutting edge 7, rendering the disk 10 incapable of adjustment.

Having thus described my invention, what I claim as new, and desire to have secured to me by the grant of Letters Patent, is—

1. A band-cutter comprising pivotally-connected handles, a cutting edge carried by the outer end of one of the handles and a laterally-adjustable cutting-disk mounted upon the other handle, substantially as and for the purposes specified.

2. A band-cutter comprising pivotally-connected handles, a cutting edge carried by the outer end of one of the handles and a laterally-adjustable cutting-disk mounted upon the outer end of the other handle, the cutting edge being provided with a notch adapted to receive and hold the band which is to be cut.

3. In a band-cutter, a cutting-disk mounted upon the outer end of one of the handles, the disk being beveled toward its base, and

provided on its lower face with a concentric circular depression, an axle screwed through the handle and upon which the disk is rotatably mounted, a screw threaded into the axle to hold the disk upon the axle, and a nut whereby the axle is locked to the handle, substantially as described.

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

THEODORE E. CRECELIUS.

Witnesses:
F. M. GRUNDMAN,
E. E. LONGAN.