

(No Model.)

T. C BELDING.

ROLLING COLTER.

No. 351,687.

Patented Oct. 26, 1886.

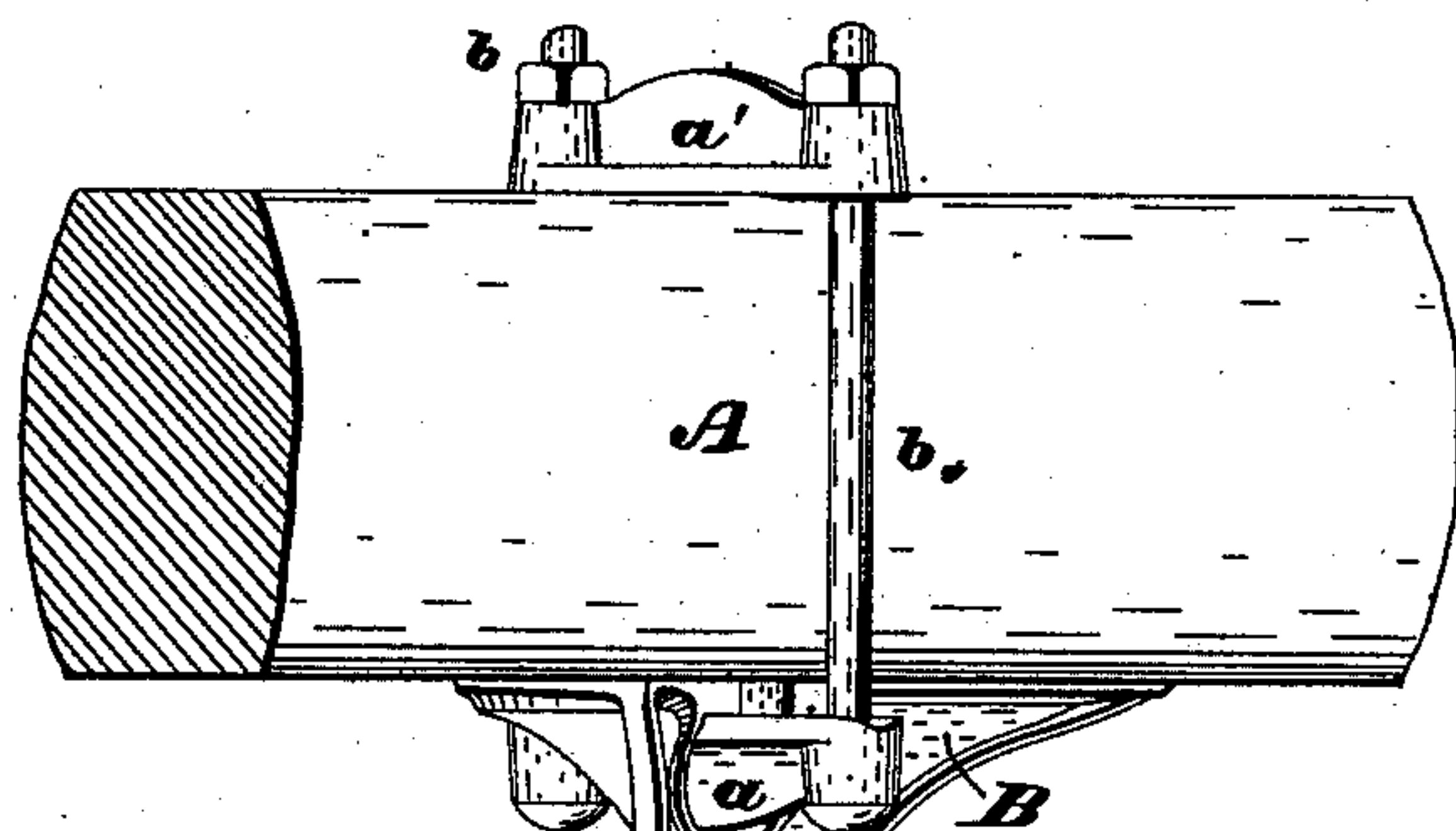


Fig. 1.

Fig. 2.

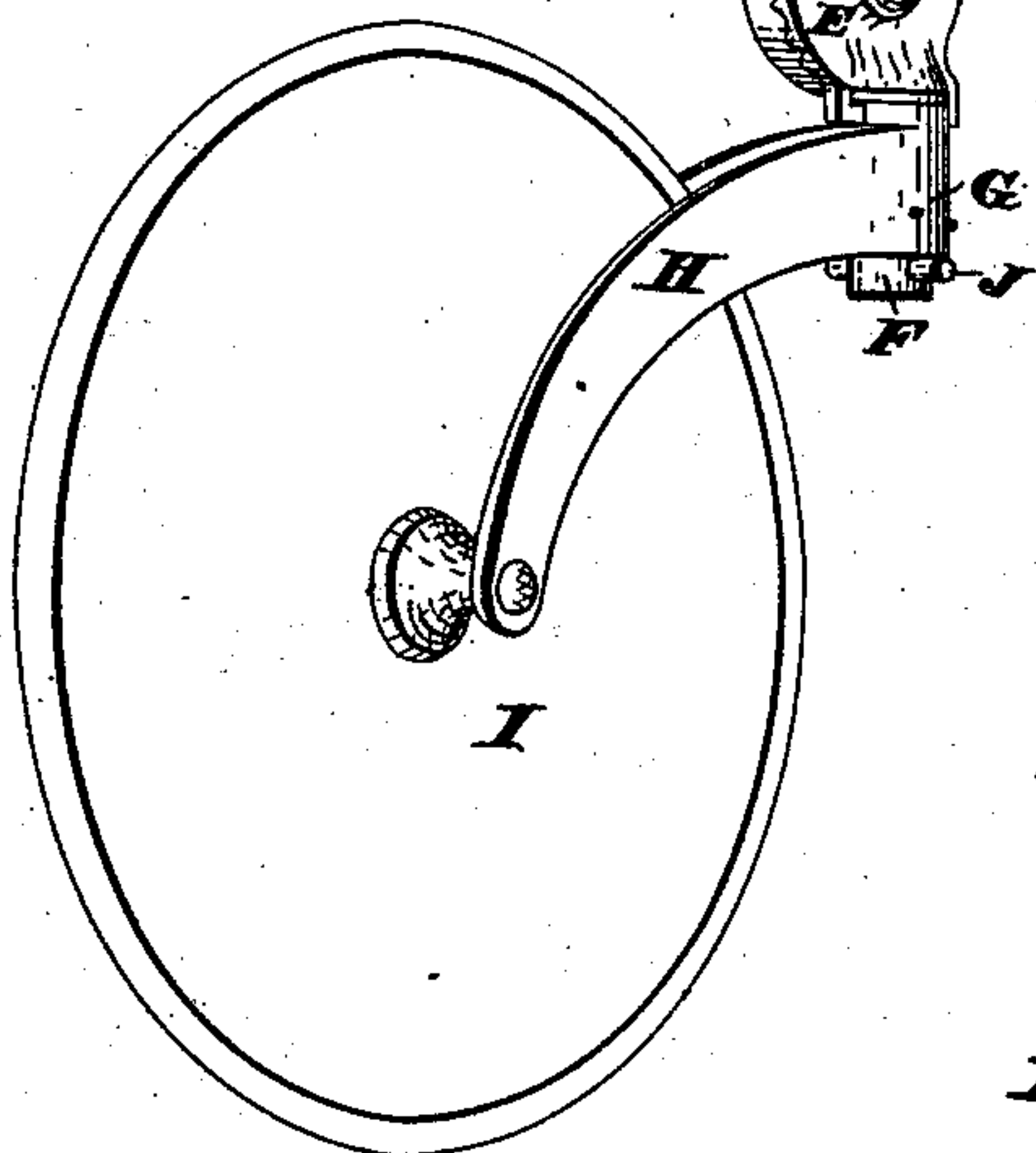
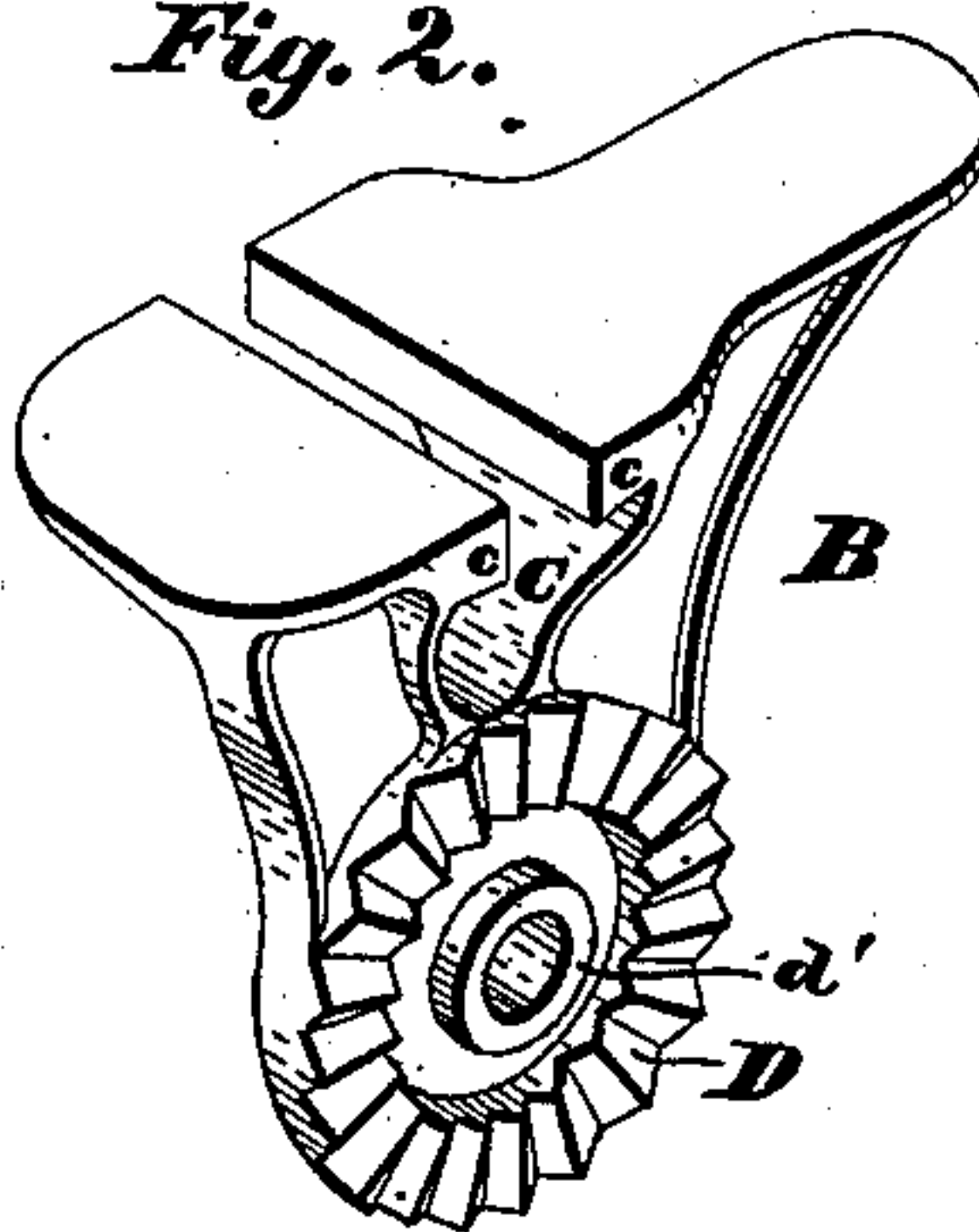


Fig. 3.

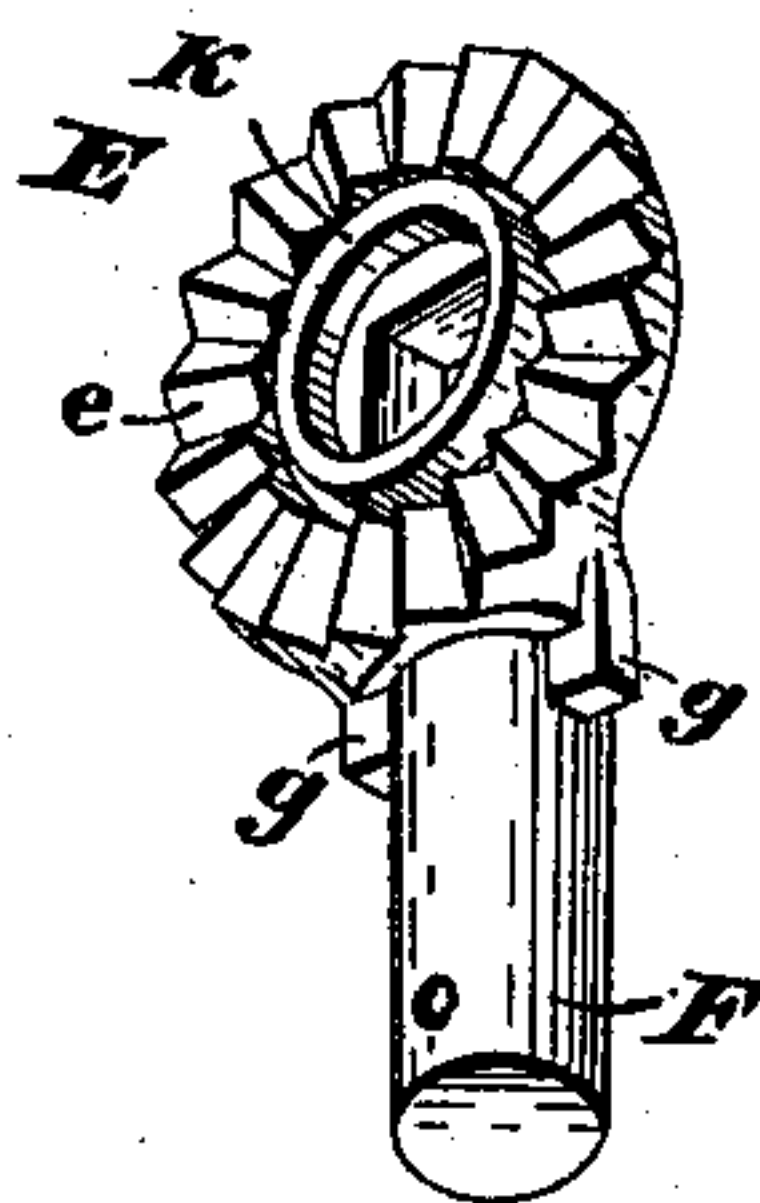


Fig. 4.

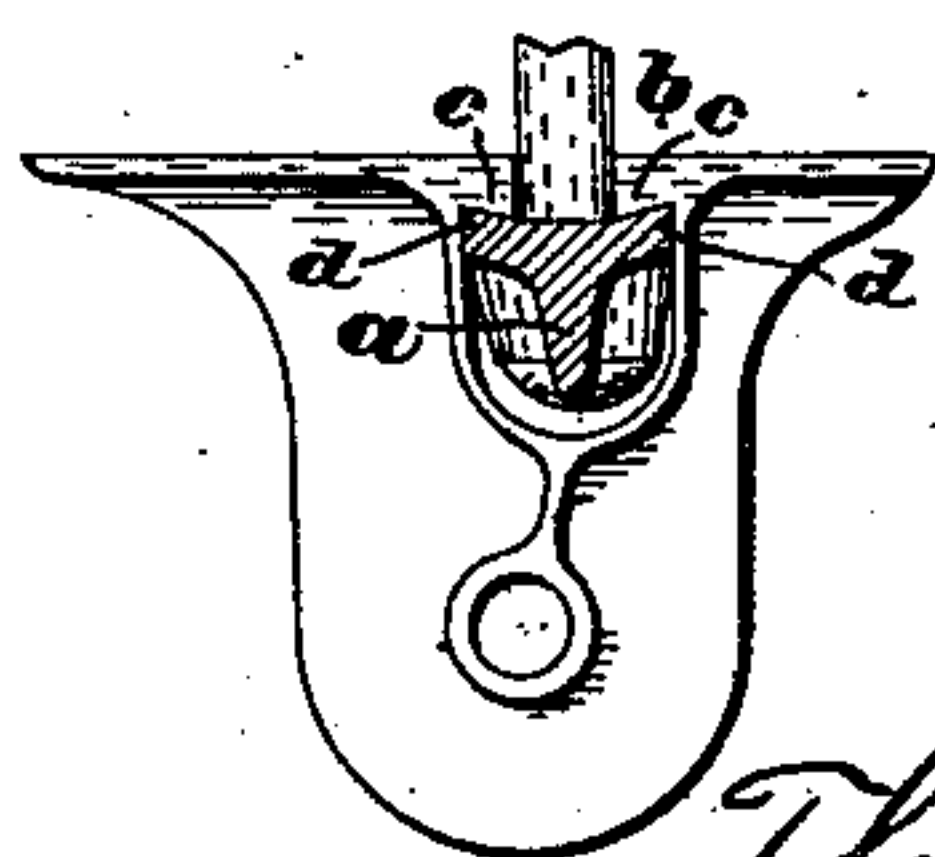


Fig. 5.

WITNESSES:

Harry Freese.  
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# UNITED STATES PATENT OFFICE.

THOMAS C. BELDING, OF CANTON, OHIO, ASSIGNOR TO THOMAS C. SNYDER,  
OF SAME PLACE.

## ROLLING COLTER.

SPECIFICATION forming part of Letters Patent No. 351,687, dated October 26, 1886.

Application filed August 5, 1886. Serial No. 210,066. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS C. BELDING, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Rolling Colters; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon, in which—

Figure 1 is a perspective view showing colter properly attached to a plow-beam. Fig. 2 is a detached perspective view of the disk-bracket. Fig. 3 is a detached view of the connecting-disk and pin or bolt. Fig. 4 is a detached view of the colter-arms. Fig. 5 is a side elevation of the disk-bracket, showing a transverse section of the cross-bar.

The present invention has relation to rolling colters; and its nature consists in the different parts and combination of parts, hereinafter described, and particularly pointed out in the claims.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, A represents a portion of a plow-beam, to the bottom or under side of which is securely attached the disk-bracket B by means of the cross-bar *a*, the plate or cap *a'*, and the clamping-bolts *b*. The disk-bracket B is provided with the opening C, which is provided with the shoulders *cc*, which engage the cross-bar *a*, as shown in Figs. 1 and 5. The cross-bar *a* is provided with the ledges *d*, which fit under the shoulders *cc*, as shown in Fig. 5, thereby securely holding the disk-bracket B to the plow-beam A, and at the same time permitting said bracket to be adjusted to the right or left. The bottom or lower portion of the bracket B is provided with the corrugated disk D, which may be substantially of the form shown, and is provided with the ring *d'*. The connecting-disk

E is provided with the corrugated surface *e*, which corresponds with the corrugated surface of the disk D. The bottom or lower portion of the disk E is provided with the pin or bolt F, which enters the eye or opening G, as shown in Fig. 1. The top or upper side of the eye G is provided with the recesses *f*, which are for the purpose of receiving the lugs or stops *g*. The recesses *f* are somewhat larger than the lugs or stops *g*, thereby giving the colter-arms H and the colter-wheel I a limited lateral movement. The colter-arms H and the colter-wheel I are held in proper position on the pin or bolt F by means of the pin or key J.

The disk E is provided with the ring K, which is for the purpose of receiving the ring *d'*, and thereby holding the disks D and E in proper position with reference to each other, independent of the clamping-bolt K', while the colter-wheel I is being adjusted up or down. For the purpose of preventing the clamping-bolt K' from turning while being tightened, one of the apertures through which it passes may be formed square, as shown in Fig. 3.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the disk-bracket B, provided with the shoulders *cc*, of the cross-bar *a* and the clamping-bolts, the corrugated disks D and E, colter-stem F, and clamping-bolt K', substantially as and for the purpose specified.

2. The combination, with the bracket B, of the disks D and E, provided with the rings *d'* and K, the lugs or stops *g*, and the recesses *f* in the eye G of the colter-arms, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

THOMAS C. BELDING.

Witnesses:

THOMAS C. SNYDER,  
FRED W. BOND.