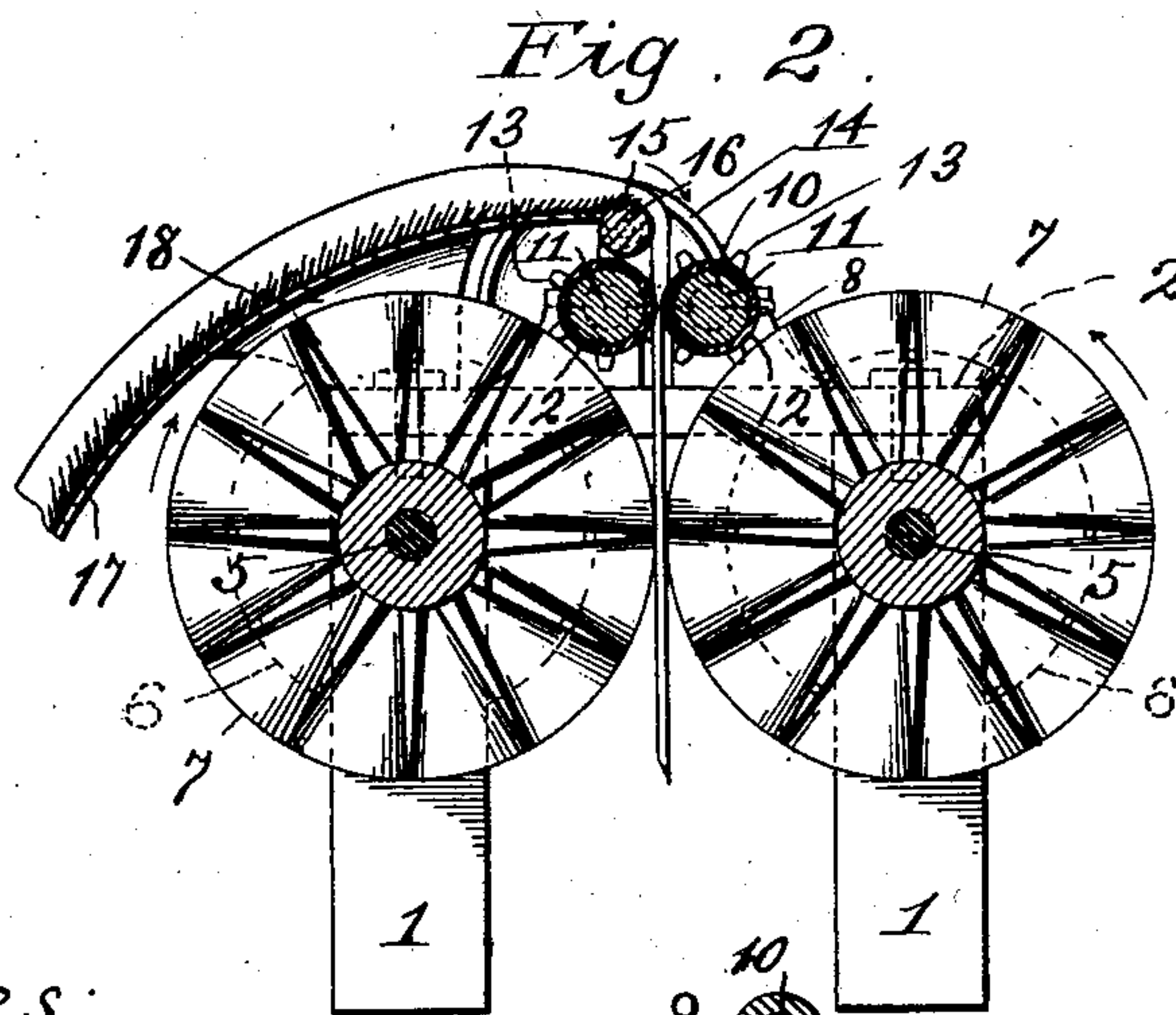
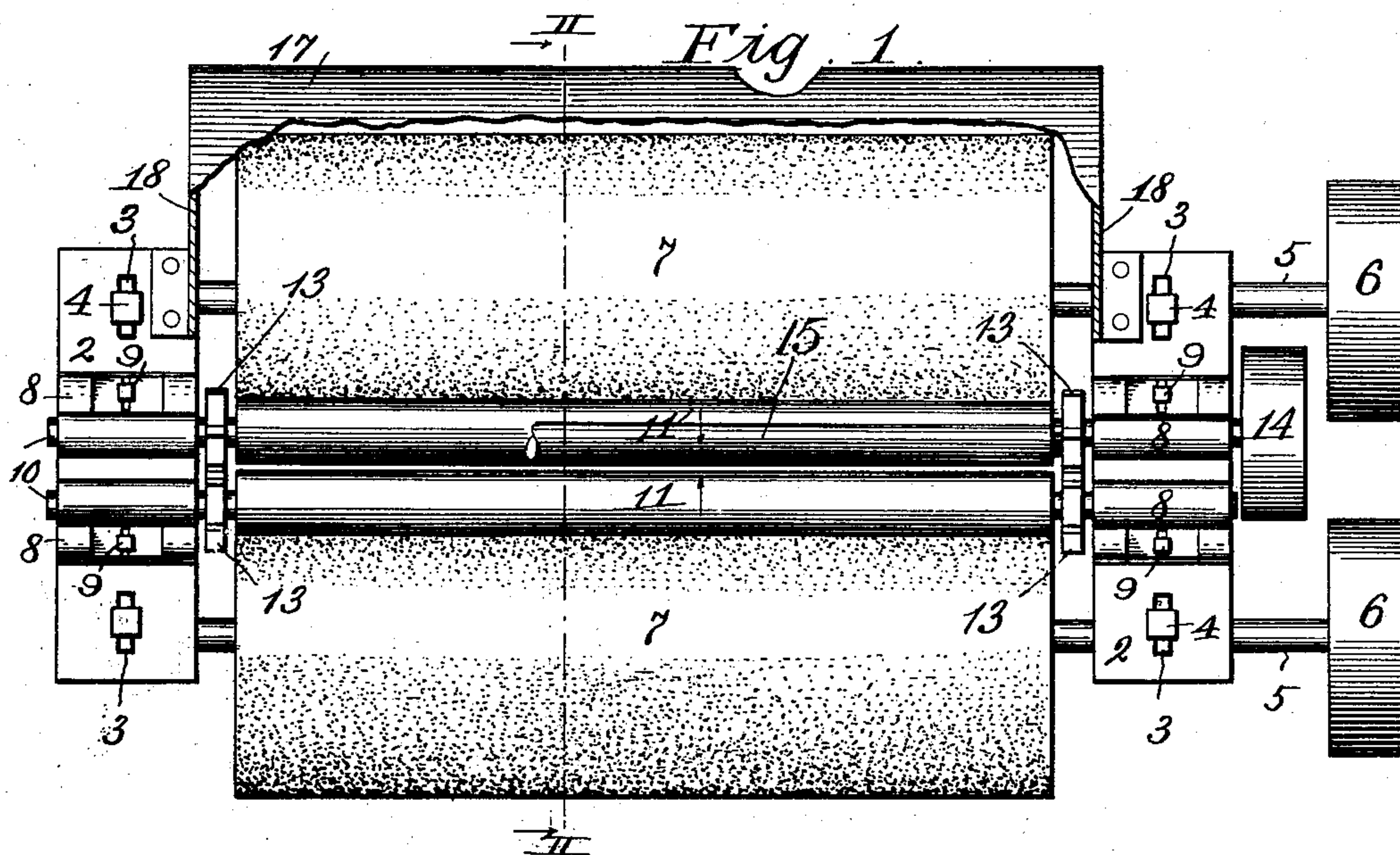


No. 754,630.

PATENTED MAR. 15, 1904.

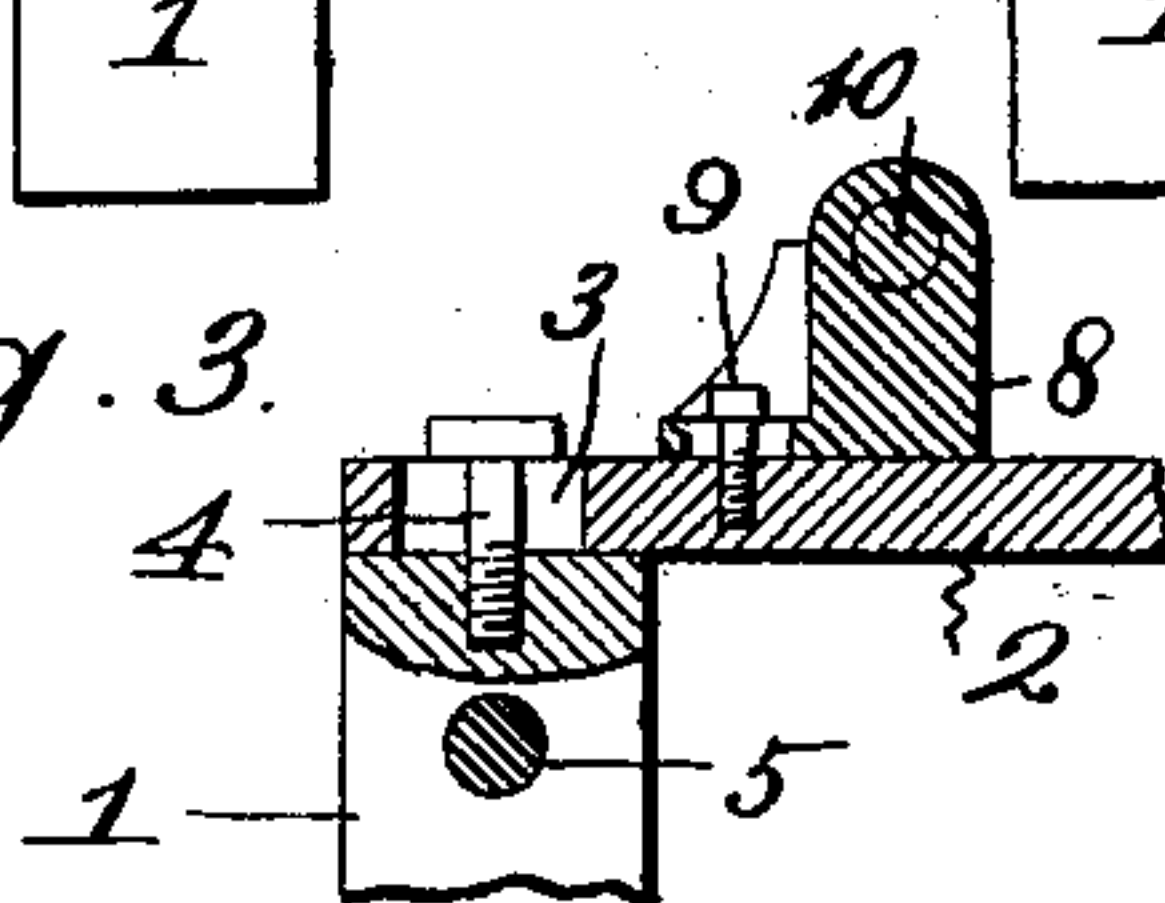
H. C. ZIPRICK.  
BEEF INTESTINE WRINGER.  
APPLICATION FILED JAN. 2, 1903.

NO MODEL.



Witnesses:  
R. Hamilton.  
W. A. Lingle.

*Fig. 3.*



Inventor  
Herman C. Ziprick  
By F. G. Fischer  
Atty.



# UNITED STATES PATENT OFFICE.

HERMAN C. ZIPRICK, OF KANSAS CITY, KANSAS.

## BEEF-INTESTINE WRINGER.

SPECIFICATION forming part of Letters Patent No. 754,630, dated March 15, 1904.

Application filed January 2, 1903. Serial No. 137,457. (No model.)

*To all whom it may concern:*

Be it known that I, HERMAN C. ZIPRICK, a citizen of the United States, residing at Kansas City, in the county of Wyandotte and State of Kansas, have invented certain new and useful Improvements in Beef-Intestine Wringers, of which the following is a specification.

My invention relates to improvements in machines for cleaning beef-intestines in the process of treatment for use in the art; and my object is to provide a machine of this character with means for feeding the intestines to the cleaning-brushes in the same direction in which the latter rotate and at such a rate of speed that the brushes will thoroughly perform their function of removing the slime and excess of moisture from the intestines.

The invention also consists in the novel construction, arrangement, and combination of parts hereinafter described, and more particularly pointed out in the claims; and in order that it may be fully understood reference will now be made to the accompanying drawings, in which—

Figure 1 represents a plan view of a machine provided with my improvement. Fig. 2 is a vertical cross-section of the same, taken on line II II of Fig. 1. Fig. 3 is a detail front elevation of one of the feed-roller bearings.

In the drawings, 1 indicates four vertical supporting-posts arranged in pairs at opposite ends of the machine and connected at their top portions by transverse pillow-blocks 2, having slots 3 at their opposite ends to receive set-screws 4, which pass through said slots and engage internally-threaded counterbores in the upper portions of the posts.

5 indicates two shafts journaled in the supporting-posts and provided at their rear terminals with pulleys 6, adapted to be driven in opposite directions by belts, (not shown,) as indicated by arrows in Fig. 2.

7 indicates cleaning-brushes which are rigidly mounted upon the shafts between their bearings and are adjusted laterally by loosening set-screws 4 and adjusting the supporting-posts closer together or farther apart.

8 indicates bearings adjustably secured upon

the pillow-blocks by set-screws 9 and in which are journaled shafts 10, carrying rigidly-mounted feed-rollers 11, which are preferably provided with rubber coverings 12. Shafts 10 are rotated in the same direction as the brushes, but at a lower rate of speed, by rigidly-mounted interlocking gear-wheels 13, operated by a belt-driven pulley 14, rigidly mounted upon the end of one of said shafts. The feed-rollers may be set closer together or farther apart, as occasion demands, by loosening set-screws 9 and shifting their respective bearings 8 laterally.

15 indicates a guide-roller located vertically above one of the feed-rollers and journaled in bearings 16 at the opposite sides of the upper portion of a curved table 17, which curves downwardly over one of the cleaning-brushes and is supported at its opposite ends by depending brackets 18, secured at their lower ends to the upper surface of the pillow-blocks.

In operation the intestines are placed upon the table 17 with their upper ends hanging over the guide-roller, so that when the operator rotates the latter in the direction indicated by the arrow, Fig. 2, the intestines will move down to the feed-rollers, which grip them and feed them down to the cleaning-brushes. As the speed of the feed-rollers is much less than that of the brushes, the passage of the intestines between the latter will be retarded by the former, so the rapidly-rotating brushes will thoroughly cleanse the intestines of all slime and other foreign matter.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a machine of the character described, a curved table to receive the intestines, a guide-roller mounted at the upper end of the table and arranged with its upper portion slightly above the upper surface of said table, a pair of adjustably-mounted feed-rollers arranged with their adjacent sides vertically below the guide-roller, and a pair of adjustably-mounted cleaning-brushes arranged with their adjacent sides vertically below the feed-rollers and one of which brushes is located beneath the curved

table so that portion of the intestines on the latter will not contact with the brush, substantially as shown and described.

2. In a machine of the character described,  
5 a curved table to receive the intestines, a guide-roller mounted at the upper end of the table, a pair of adjustably-mounted feed-rollers arranged vertically below the guide-roller, a pair of cleaning-brushes arranged vertically

below the feed-rollers, and adjustable support- 10  
ing-posts in which the cleaning-brushes are mounted.

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

HERMAN C. ZIPRICK.

Witnesses:

J. W. BOLING,  
F. G. FISCHER.