

No. 643,631.

Patented Feb. 20, 1900.

B. F. CANTERBURY.
MACHINE FOR FILLING HORSE COLLARS.

(Application filed July 17, 1897.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

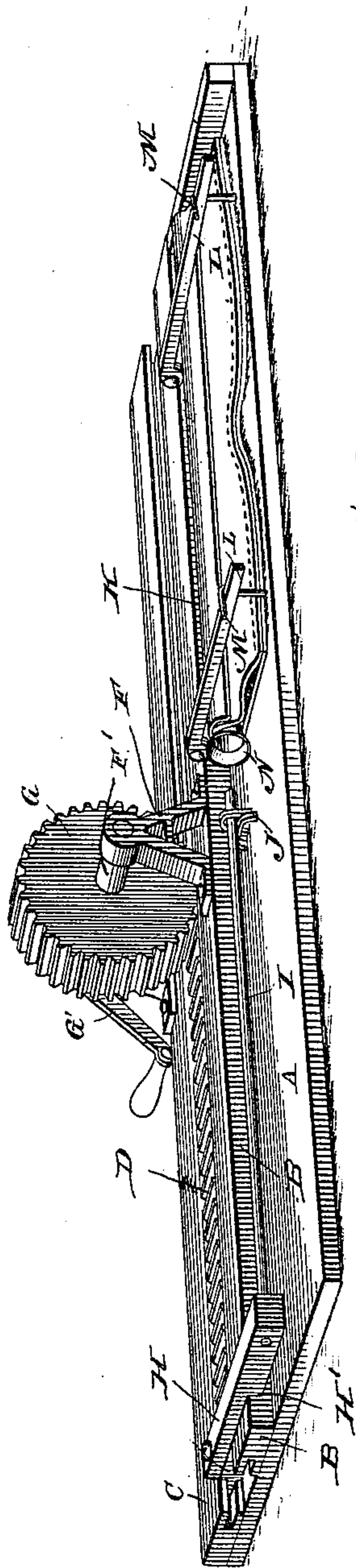


Fig. 2.

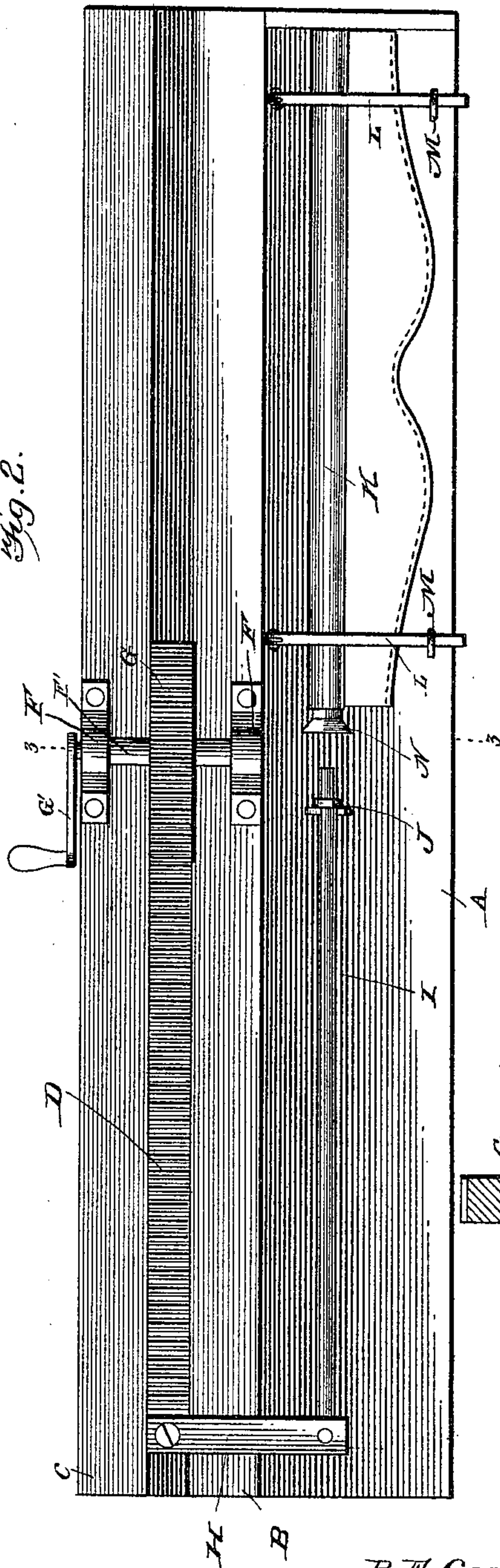
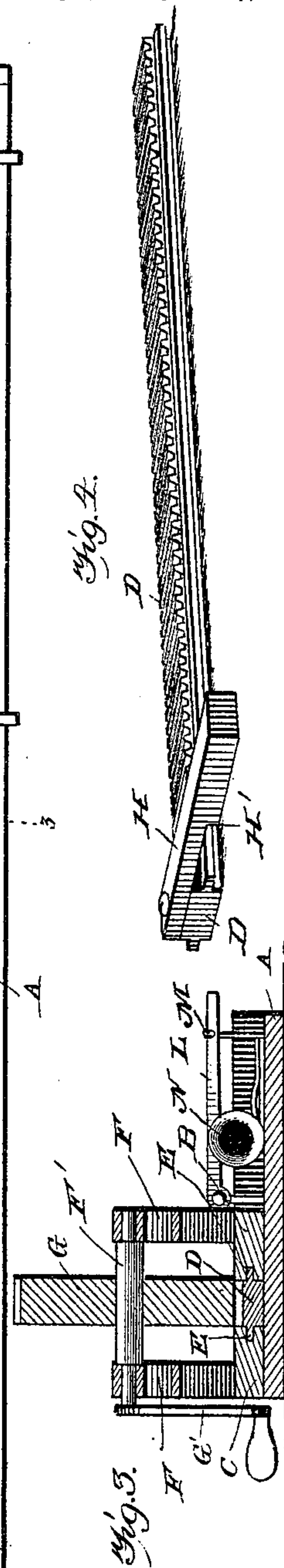


Fig. 3.



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Fig. 5.

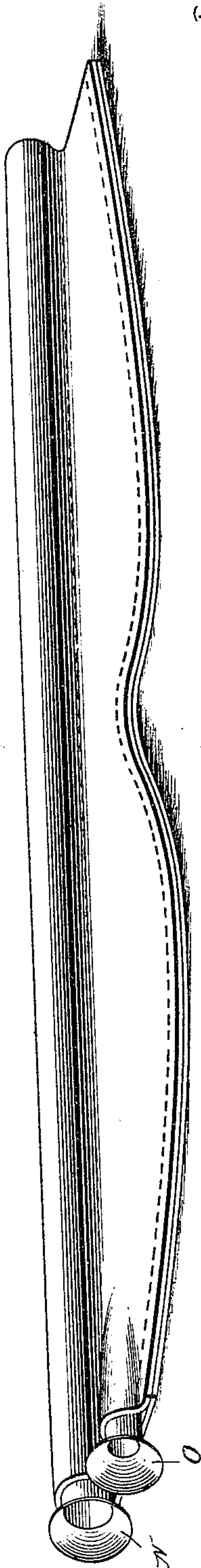


Fig. 6.

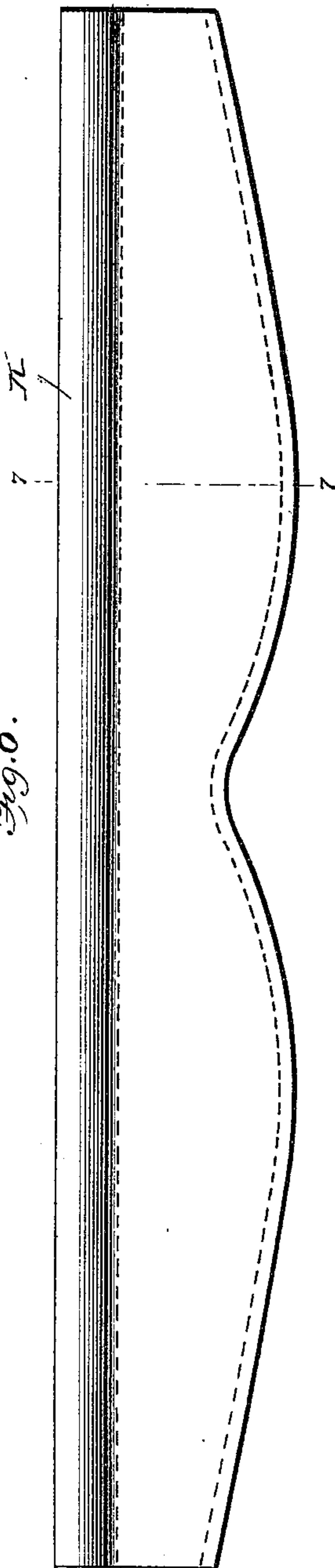
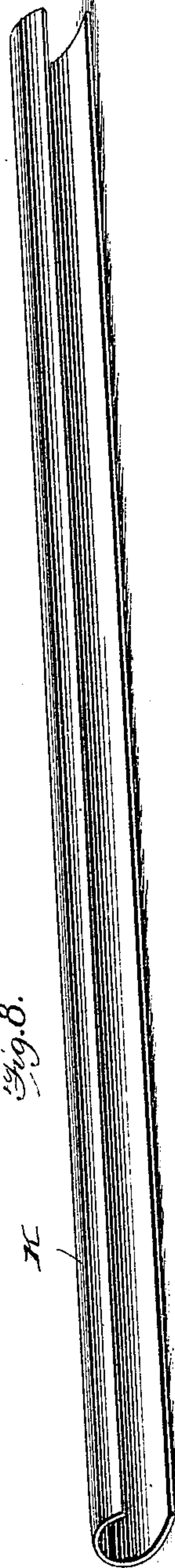


Fig. 7.



Fig. 8.



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UNITED STATES PATENT OFFICE.

BENJAMIN F. CANTERBURY, OF CLAYTON, ALABAMA.

MACHINE FOR FILLING HORSE-COLLARS.

SPECIFICATION forming part of Letters Patent No. 643,631, dated February 20, 1900.

Application filed July 17, 1897. Serial No. 645,008. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN F. CANTERBURY, residing at Clayton, in the county of Barbour and State of Alabama, have invented a new and useful Machine for Stuffing Horse-Collars, of which the following is a specification.

This invention relates to improvements in machines for stuffing horse-collars; and the object thereof is to provide a device by means of which such collars may be expeditiously stuffed with wool, excelsior, or other fibrous material suitable for that purpose.

The invention consists in the details of construction hereinafter fully set forth in the specification, specifically referred to in the claim, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my invention. Fig. 2 is a top plan view of the same. Fig. 3 is a transverse section on the line 3 3 of Fig. 2. Fig. 4 is a perspective detail view of the rack-bar. Fig. 5 is an enlarged perspective view of the collar, showing the funnels O in position preparatory to stuffing the collar. Fig. 6 is a plan view of the collar with the clip thereon and the funnels removed. Fig. 7 is a transverse section on the line 7 7 of Fig. 6. Fig. 8 is a perspective view of the clip.

Referring now more particularly to the accompanying drawings, A designates a base-board, upon which are secured adjacent to one edge thereof the longitudinally-extending grooved guide-strips B and C. Movable in said guide-strips is a rack-bar D, having the rack thereof formed on its upper surface and provided on its edges with longitudinally-extending tongues E, which project into the grooves of the guide-strips.

Mounted in suitable brackets F, raised from the guide-strips, is a shaft F', upon which is secured a cog-wheel G, meshing with the rack, said shaft being provided with a crank G', by means of which the cog-wheel may be revolved and the movement of the rack-bar effected.

A transversely-extending arm H is secured to the rack-bar at the outer end thereof and is formed with a guide-shoulder H', which engages one of the guide-strips. A longitudinally-extending packing-rod I is carried by the free end of said arm, said rod being guided by a suitable guide J.

K designates a spring-clip in which the roll of the collar is placed, and for securing said collar upon the base-board swinging arms L are provided, said arms being pivoted at one end to one of the guide-strips and at their opposite ends adapted to be engaged by the keepers M. These arms are swung downwardly into engagement with the spring-clip, clamping the same, with the collar, upon the base-board.

A funnel or filling-piece N is provided for the roll portion of the collar, and a similar funnel O for the body portion, as illustrated in Fig. 5.

The operation of my invention is as follows: The material with which the collar is to be stuffed is placed in funnel N, the collar having been previously placed in position beneath arms L, said funnel being in line with the packing-rod. By operating the cog-wheel through the medium of the crank the packing-rod is moved inwardly, forcing the stuffing into the roll of the collar. This is repeated until the said roll has been entirely stuffed, when the collar is moved laterally beneath said arms until the funnel O is in line with the packing-rod, when the body of the collar may be stuffed in the same manner as the roll thereof. It will be understood that the stuffing material may be automatically fed to the collar by any of the ordinary and well-known constructions for that purpose.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

In a machine for stuffing horse-collars, the combination of a base portion, longitudinally-grooved strips, a rack-bar having longitudinally-extending tongues moving in said grooved strips, a cog-wheel meshing with said rack, a crank for operating said wheel, a transversely-extending arm secured to said rack-bar, a packing-rod I carried by said arm and running parallel with the rack-bar, the guide J supporting said rod in a horizontal plane, a clip for holding the collar, transversely-hinged clamping-arms L, and keepers M for said arm, constructed and arranged as and for the purpose set forth.

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Witnesses:

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