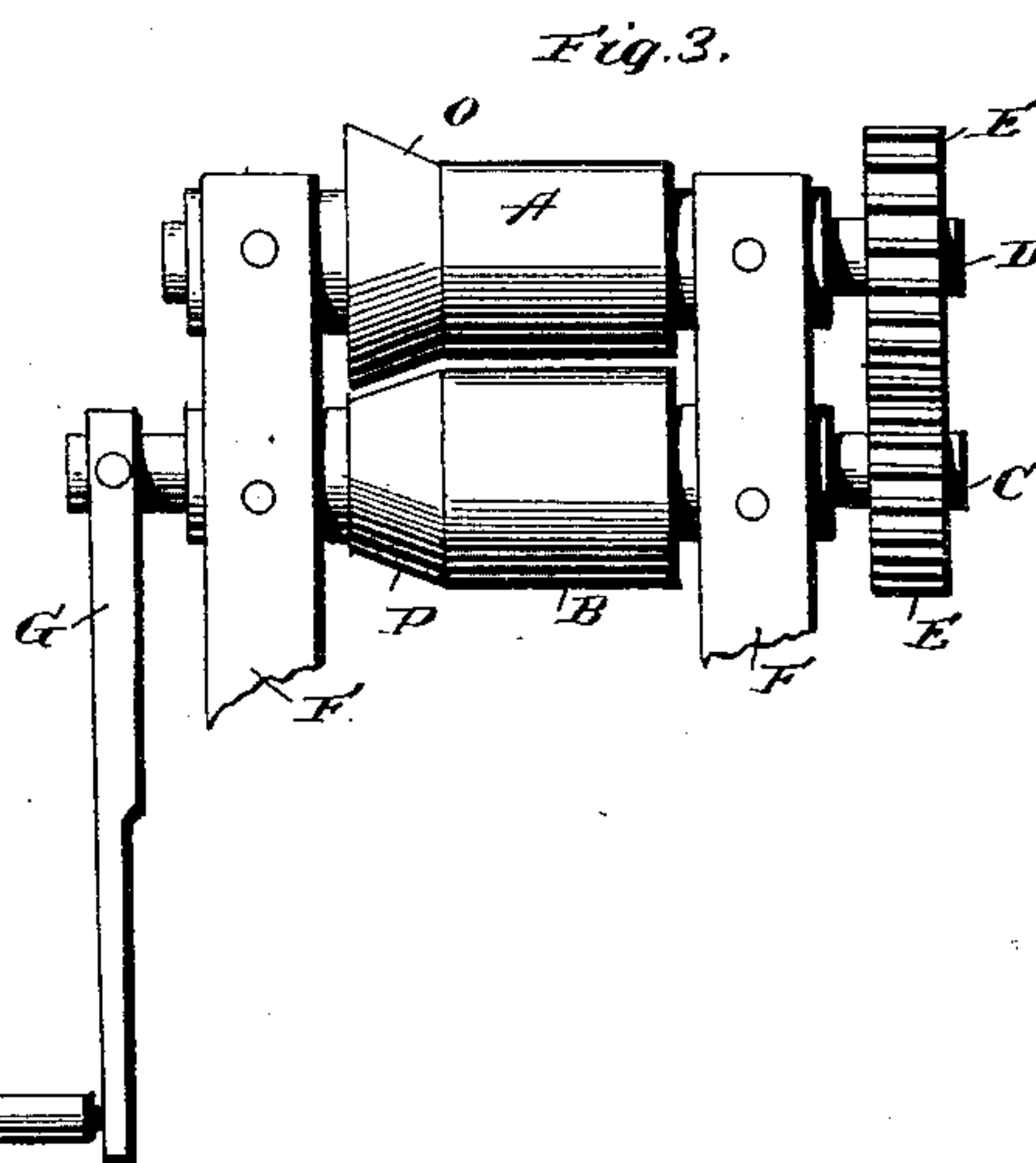
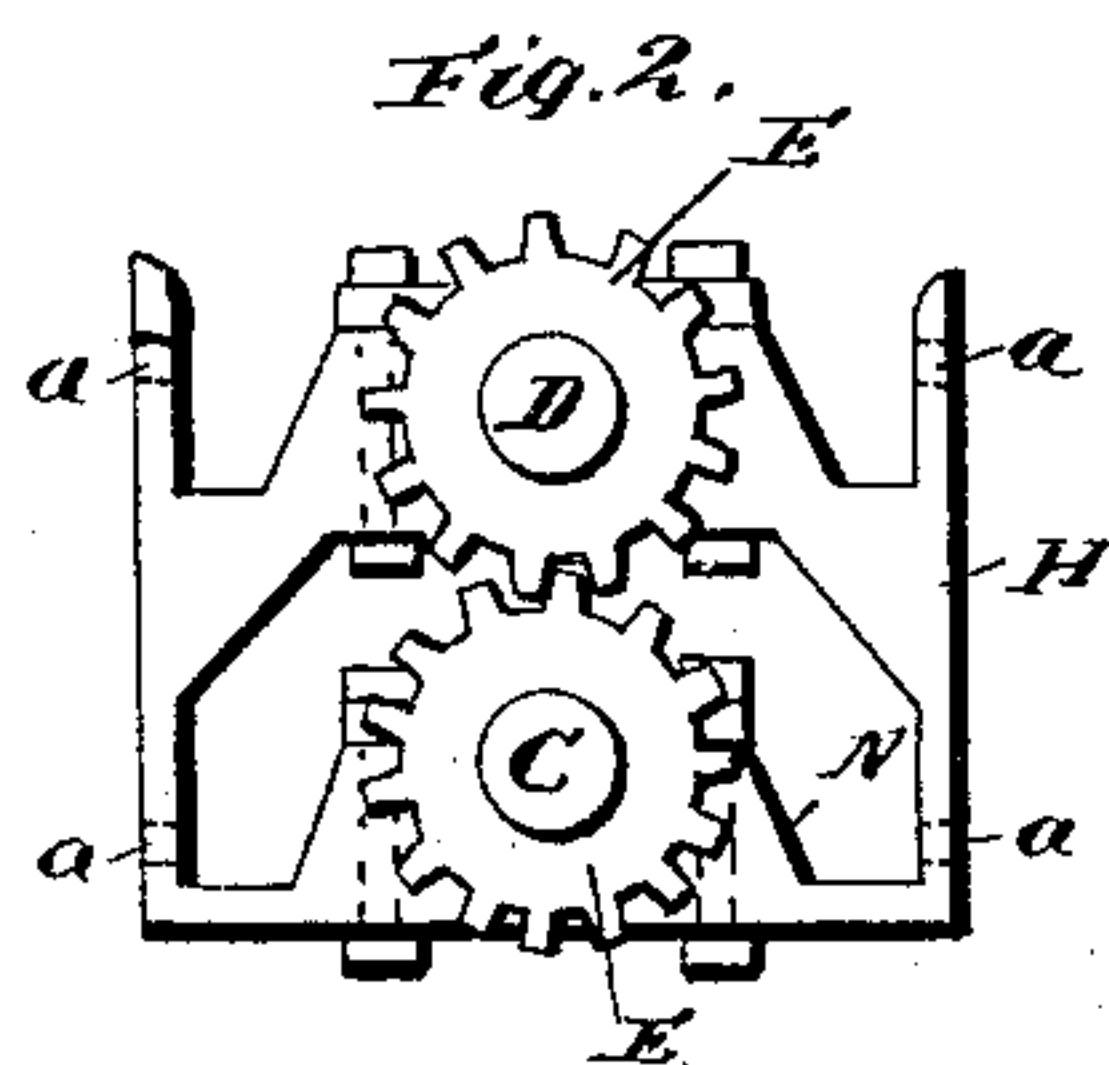
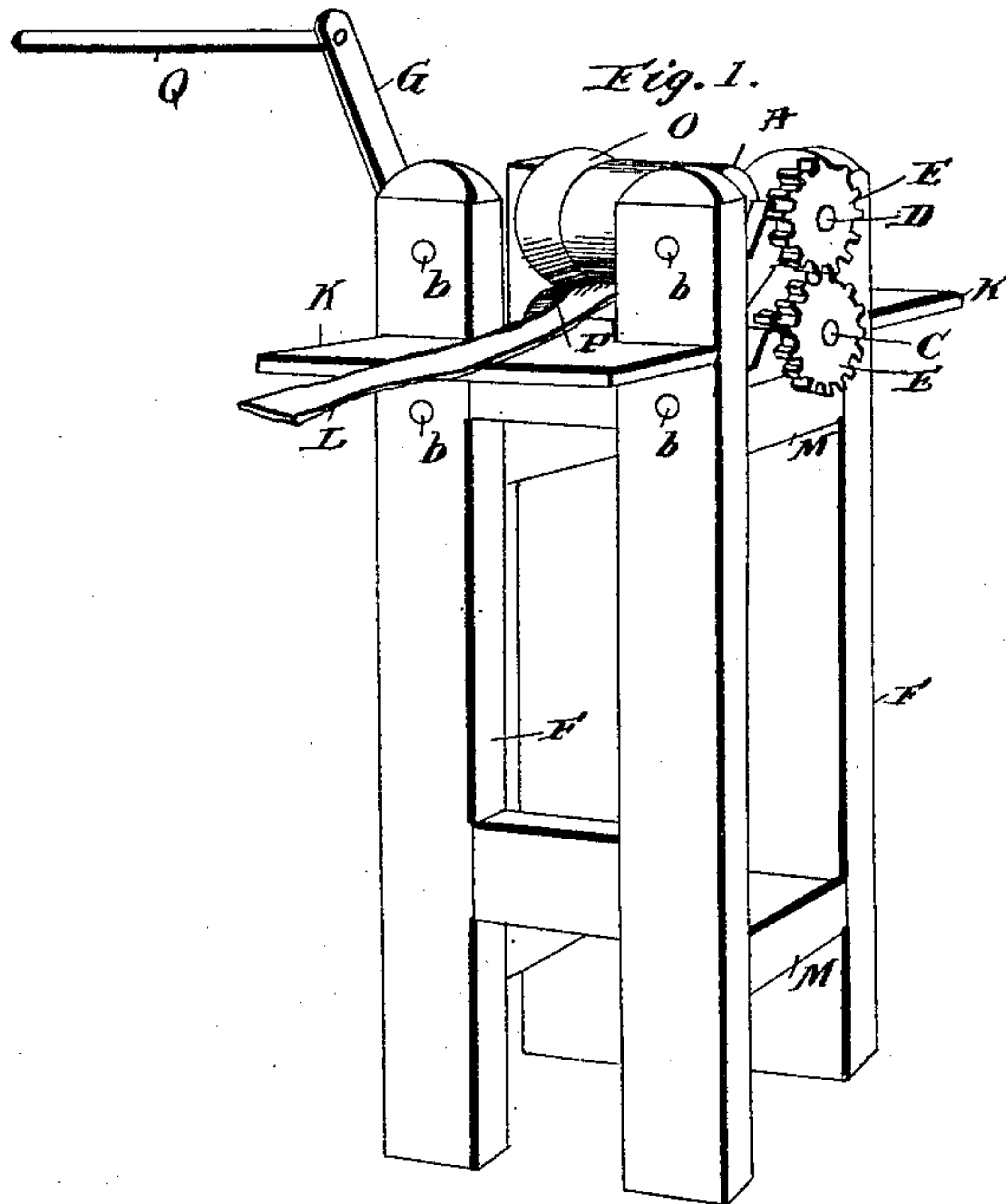


(No Model.)

V. AUCOIN.  
HOOP FLARING MACHINE.

No. 451,439.

Patented Apr. 28, 1891.



Witnesses:

C. H. Paeder

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By his Attorney

# UNITED STATES PATENT OFFICE.

VICTOR AUCOIN, OF NEW IBERIA, LOUISIANA, ASSIGNOR TO V. AUCOIN & CO., OF SAME PLACE.

## HOOP-FLARING MACHINE.

SPECIFICATION forming part of Letters Patent No. 451,439, dated April 28, 1891.

Application filed July 23, 1890. Serial No. 359,701. (No model.)

*To all whom it may concern:*

Be it known that I, VICTOR AUCOIN, a citizen of the United States, residing at New Iberia, in the parish of Iberia and State of Louisiana, have invented certain new and useful Improvements in Hoop-Flaring Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to improvements in machines for flaring metallic barrel and cistern hoops or bands, so as to enable the same to readily conform to the shape of the barrel or cistern, and thereby effect a close joint of the staves thereof.

The novelty will be fully understood from the following description and claims, when taken in connection with the annexed drawings, in which—

Figure 1 is a perspective view of my improved machine complete in an operative position. Fig. 2 is an end elevation of the roller-frame, showing the rollers in position therein; and Fig. 3 is a front elevation of the upper portion of the supporting-frame, showing the roller-frame and rollers in position thereon.

In carrying out my invention it is obvious that any suitable supporting-frame having a suitable feed-platform may be employed, as such form no part of my invention; but I found by experience that a frame and feed-platform, such as F and K, while cheap of manufacture and durable in use, sufficiently perform the functions for which they are designed, and I therefore prefer to employ such construction.

The platform F is provided at suitable points with strengthening or brace bars M, and upon the upper side bars M, I place the roller-carrying standard-frames H. Each of these standard-frames H, of which I employ two, are preferably cast in one piece, and for the sake of lightness and cheapness in manufacture I design casting them in the skeleton or open-work form illustrated. The vertical branches and bottom of the castings H are provided with bolt-apertures *a*, as better illustrated in Fig. 2, for the passage of bolts *b*, which secure said castings to the upright

standards and side bars of the frame. The respective intermediate sections N of the castings H, which are arranged one above the other, are provided with journal-bearings of any approved construction for the reception of the shafts C and D of the pressure-rolls A and B, which are placed one above the other in a vertical line.

The roller A, which is fixed to the shaft D in a suitable manner, is provided at one end with a flaring portion O of a sufficient width, which is designed to coincide and co-operate with a beveled portion P upon the lower roller B, which is fixed to shaft C and turns therewith. Suitably keyed on the shaft C at one end and secured thereto in a suitable manner is a crank-arm G, having a handle Q, by which the shaft C and its connected parts are operated. Upon the other end of shaft C, I fix a cog-wheel E, which meshes with a similar cog E', fixed upon the shaft D in line with the wheel E, whereby motion is imparted to the upper flared roll A in an opposite direction to that of roll B.

It is obvious that the mechanism which I have specifically described may be altered to suit the fancy of the mechanic without departing from the spirit of my invention.

From the foregoing description of my improvements it will be seen that when the hoop L is fed between the flaring and beveled portions of the respective rolls, as shown in Fig. 1, and the said rolls are operated in the manner described the hoop will be flared and will be adapted to readily conform to the shape of a barrel or cistern.

Having described my invention, what I claim is—

1. In a hoop-flaring machine, substantially as described, a roller provided at one end with a flaring portion, in combination with another roller arranged in line therewith and having a beveled portion adapted to coincide and co-operate with the flaring portion of the first-named roller to flare a hoop, all adapted to be operated substantially as and for the purpose specified.

2. The combination, with a suitable supporting-frame and the journal-bearings arranged thereon, of the shafts bearing in said journals, the roller having a flaring portion



fixed to one shaft and the roller having a beveled portion fixed to the other in position to allow its beveled portion to coincide and co-operate with the flaring portion of the other  
5 roll, and a suitable means for turning the rolls, substantially as and for the purpose specified.

3. In a hoop-flaring machine, the combination of a suitable supporting-frame provided  
10 with a feed-platform, the journal-bearings arranged on said frame and suitably secured thereto, the shafts bearing in said journals, one above the other, the roller having a flaring portion fixed to the upper shaft and the  
15 roller having a beveled portion fixed on the

lower shaft in position to allow its beveled portion to coincide and co-operate with the flaring portion of the upper roll, the gear-wheels fixed to the ends of the respective shafts and adapted to mesh with each other, 20 and a suitable means for turning one of the shafts, all adapted to operate substantially as specified.

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

VICTOR AUCOIN.

Witnesses:

A. E. DENIER,

J. P. SULURBRILLE.