

No. 682,239.

Patented Sept. 10, 1901.

J. J. CHATTAWAY.
TRACTION DRUM OR ROLLER.

(Application filed Jan. 7, 1901.)

(No Model.)

Fig. 1.

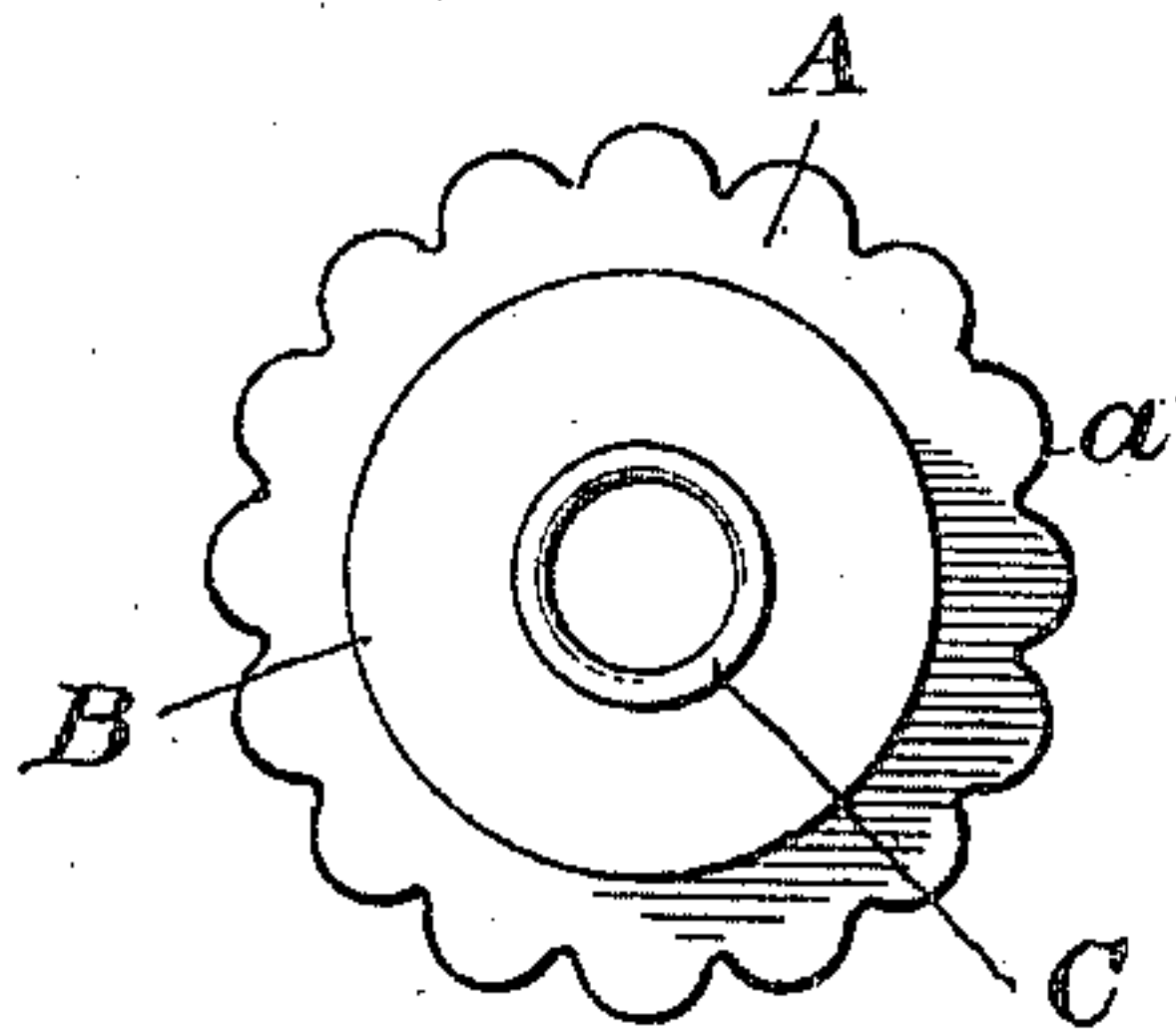


Fig. 2.

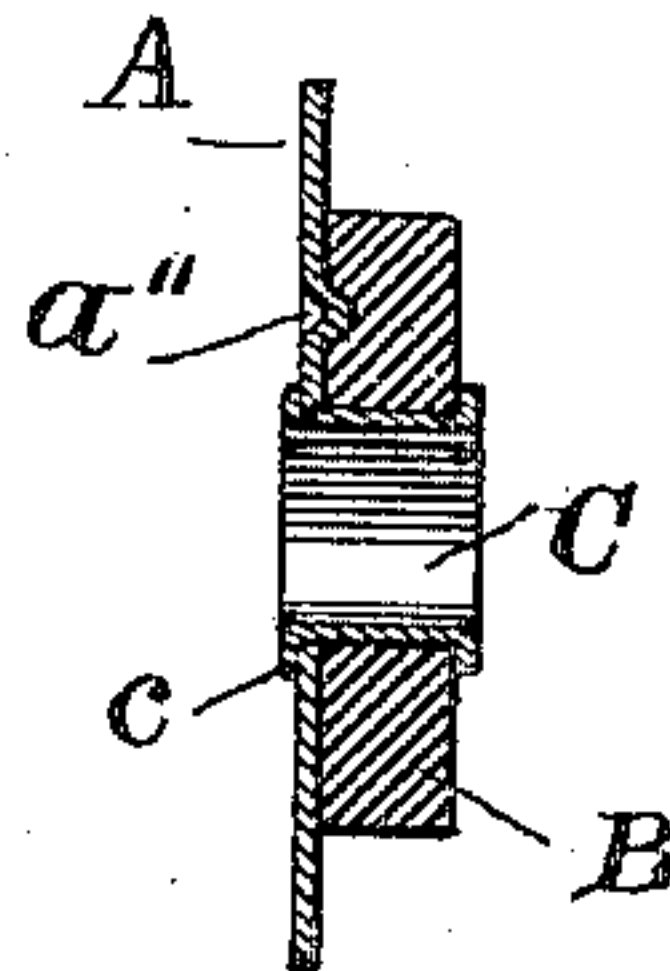


Fig. 3.

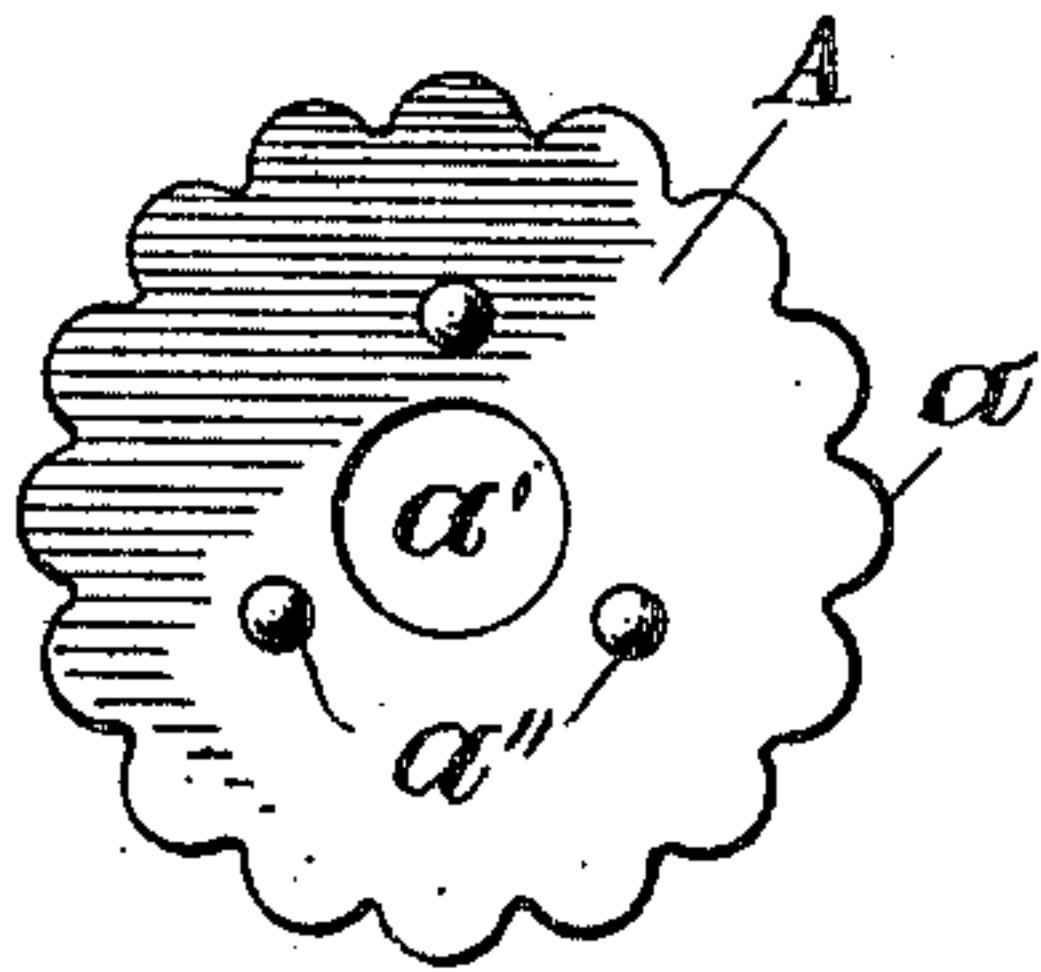


Fig. 4.

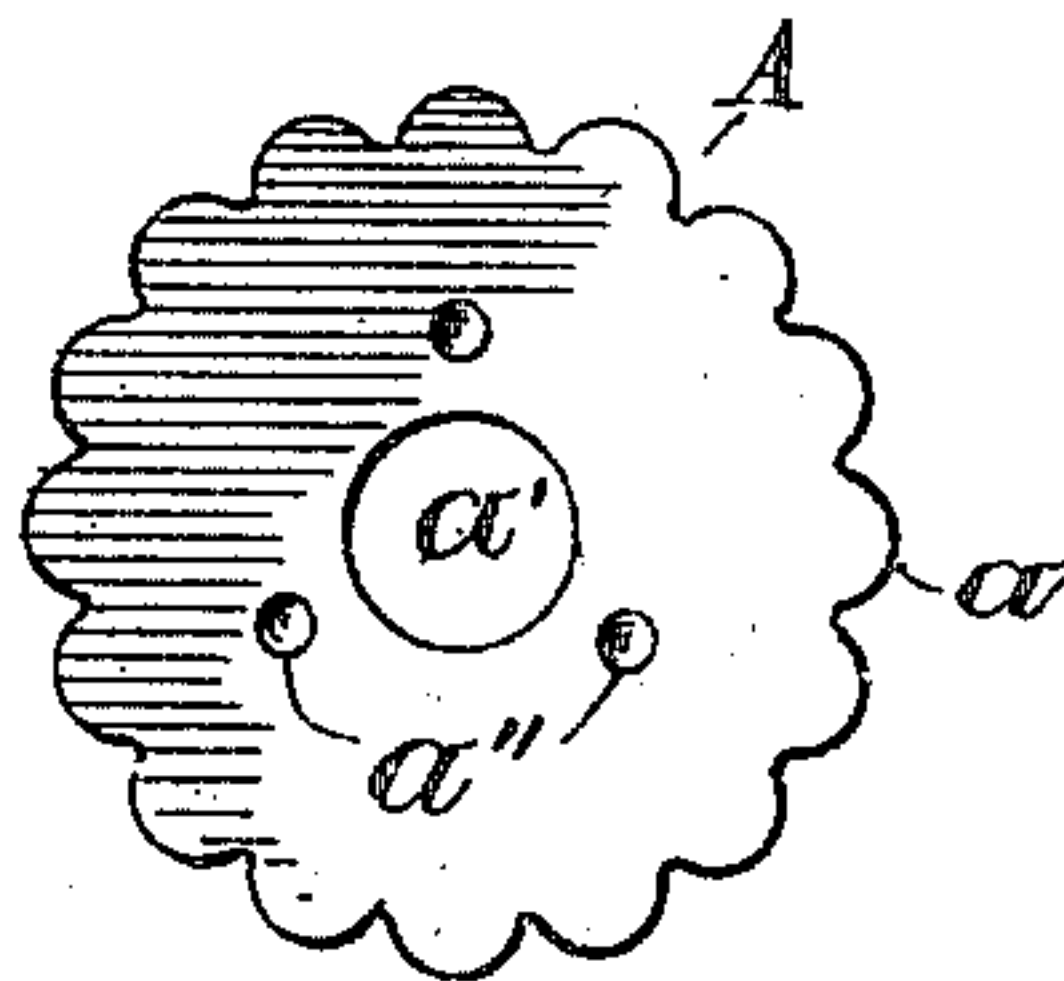


Fig. 5.

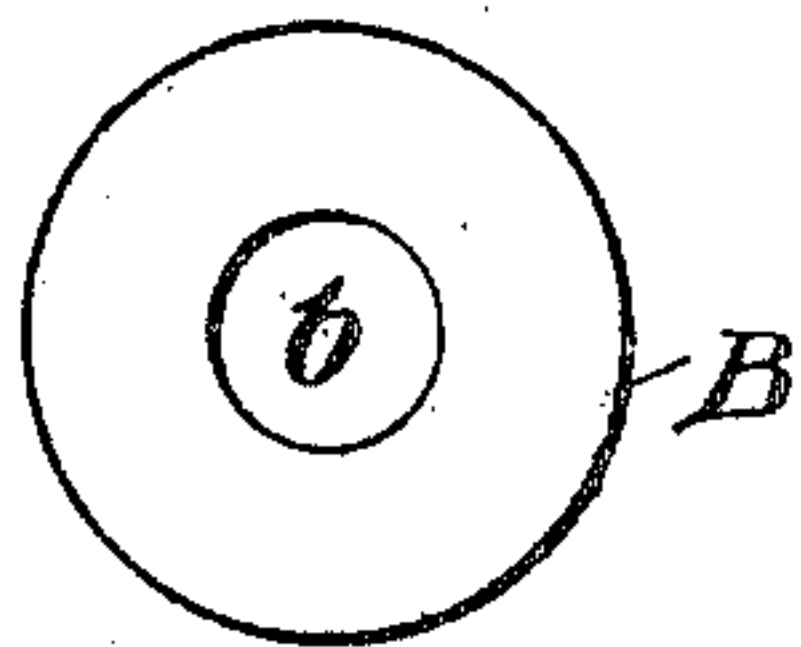
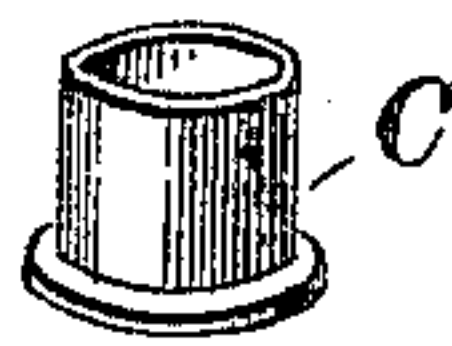


Fig. 6.



WITNESSES:

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John J. Chattaway INVENTOR

BY

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UNITED STATES PATENT OFFICE.

JOHN J. CHATTAWAY, OF BROOKLYN, NEW YORK, ASSIGNOR TO WILLIAM
A. FORCE, OF SAME PLACE.

TRACTION DRUM OR ROLLER.

SPECIFICATION forming part of Letters Patent No. 682,239, dated September 10, 1901.

Application filed January 7, 1901. Serial No. 42,392. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. CHATTAWAY, a citizen of the United States, residing in the city of New York, borough of Brooklyn, in the county of Kings, State of New York, have invented a certain new and useful Improvement in Traction Drums or Rollers which are Used in the Construction of Hand Rubber-Band Dating-Stamps, of which the following is a specification.

My invention relates to a new and improved method of constructing these drums or rollers, and this method of construction may of course be used in constructing drums other than for use in hand rubber-band dating-stamps.

In all hand-stamps having endless rubber bands on which are characters for printing, dating, &c., it is necessary to have the bands pass over a roller or drum and a bridge. The rollers or drums are provided with a plate A, having a corrugated rim *a*, Figure 1, so that by turning the rim with the fingers the drum is revolved, thus moving the endless band containing the printing characters.

In the accompanying drawings, Fig. 1 is a top or front view of a traction drum or roller complete. Fig. 2 is a sectional view of same cut through the center. Fig. 3 is a top view of the metal plate or flange, showing slight projections or points *a''*. Fig. 4 is a view of the under side of the metal plate or flange. Fig. 5 is a view of the rubber drum or roller. Fig. 6 is a view of a brass or other metal tube.

My improvement consists in the manner in which the rubber drum B is fastened to the metal frame or flange A. It is fastened by means of a thin brass or other metal tube or long eyelet C, on one end of which is a projection or collar, as shown in Fig. 6. The tube C passes through the hole *b* in the rubber drum B and through the plate or flange A at *a'* and is then turned over, forming a slight projec-

tion or collar, as shown at *c*, Fig. 2. The slight points or projections *a''*, Fig. 3, press into the rubber drum and prevent it from slipping or having a lateral motion. I consider this a great improvement over the present style of manufacturing these drums for the reason that in the present mode of making them the rubber drum B is fastened to the metal plate or flange A simply by means of brads or nails. My device enables the drum to be built more strongly and quickly, and in addition the metal tube C allows the drum to revolve on its shaft with less friction than is caused by the present method of simply having the shaft pass through a hole in the rubber drum. My method also enables the rubber drum to wear much longer.

What I claim as new, and desire to secure by Letters Patent, is—

1. A traction drum or roller for use in an endless-band dating-stamp or other device, consisting of a metal plate A to which is fastened a rubber drum B by means of a metal tube C passing through drum B and plate A and turned over at the end *c* and projections *a''* to prevent lateral motion substantially as shown and specified.

2. A means of fastening a rubber traction-drum B to a metal plate A consisting of a metal tube C having a flange, said metal tube C passing through the drum B at *b* and through the plate A at *a'* and clenched on the under side at *c* and projections *a''* to prevent lateral motion substantially as shown and specified.

In testimony whereof I affix my signature, in the presence of two witnesses, this 5th day of January, 1901.

JOHN J. CHATTAWAY.

Witnesses:

WM. E. WARLAND,
CHARLES WILLIAMS.