

G. FARNSWORTH.
Barrel Machine.

No. 224,587.

Patented Feb. 17, 1880.

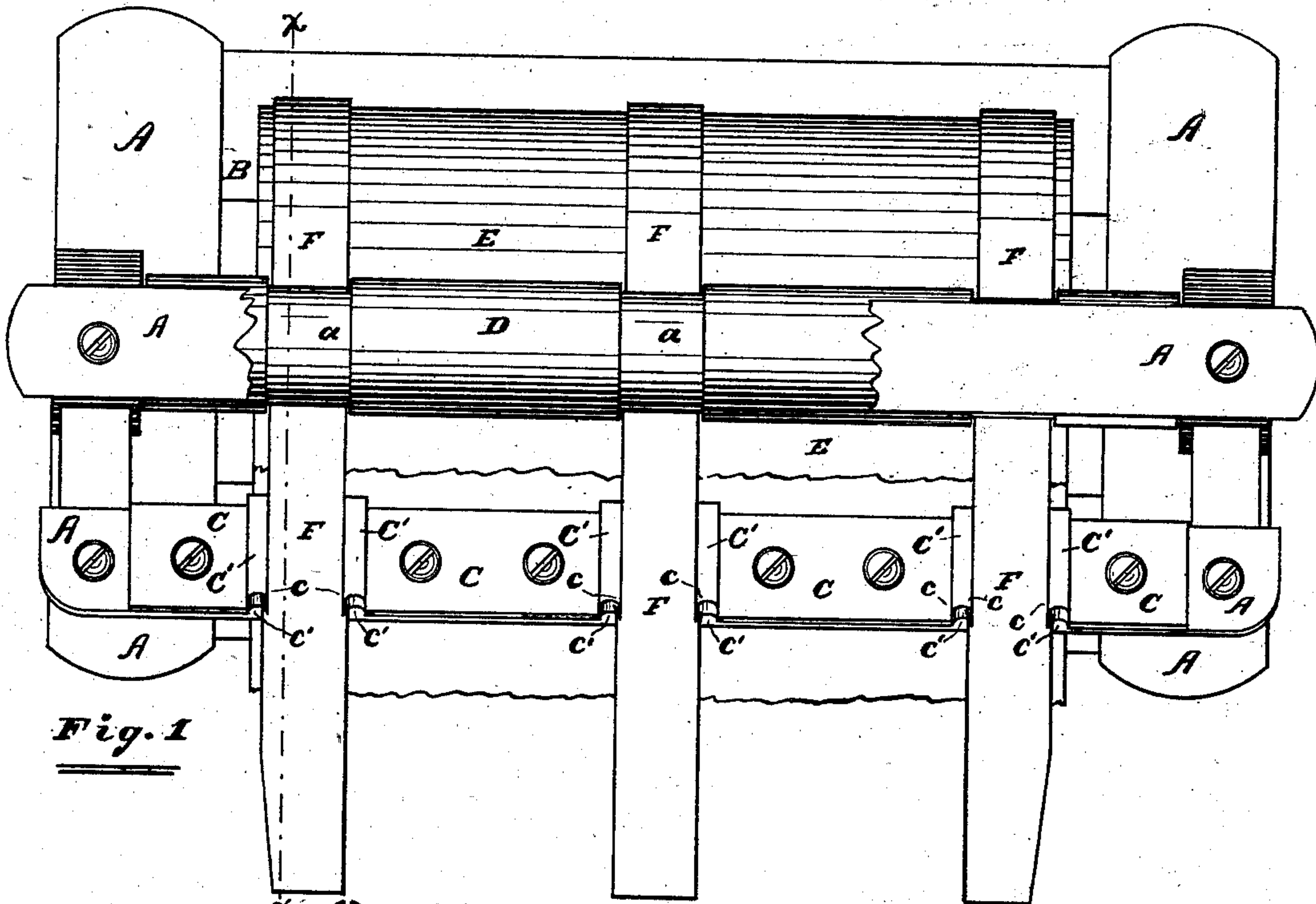


Fig. 1

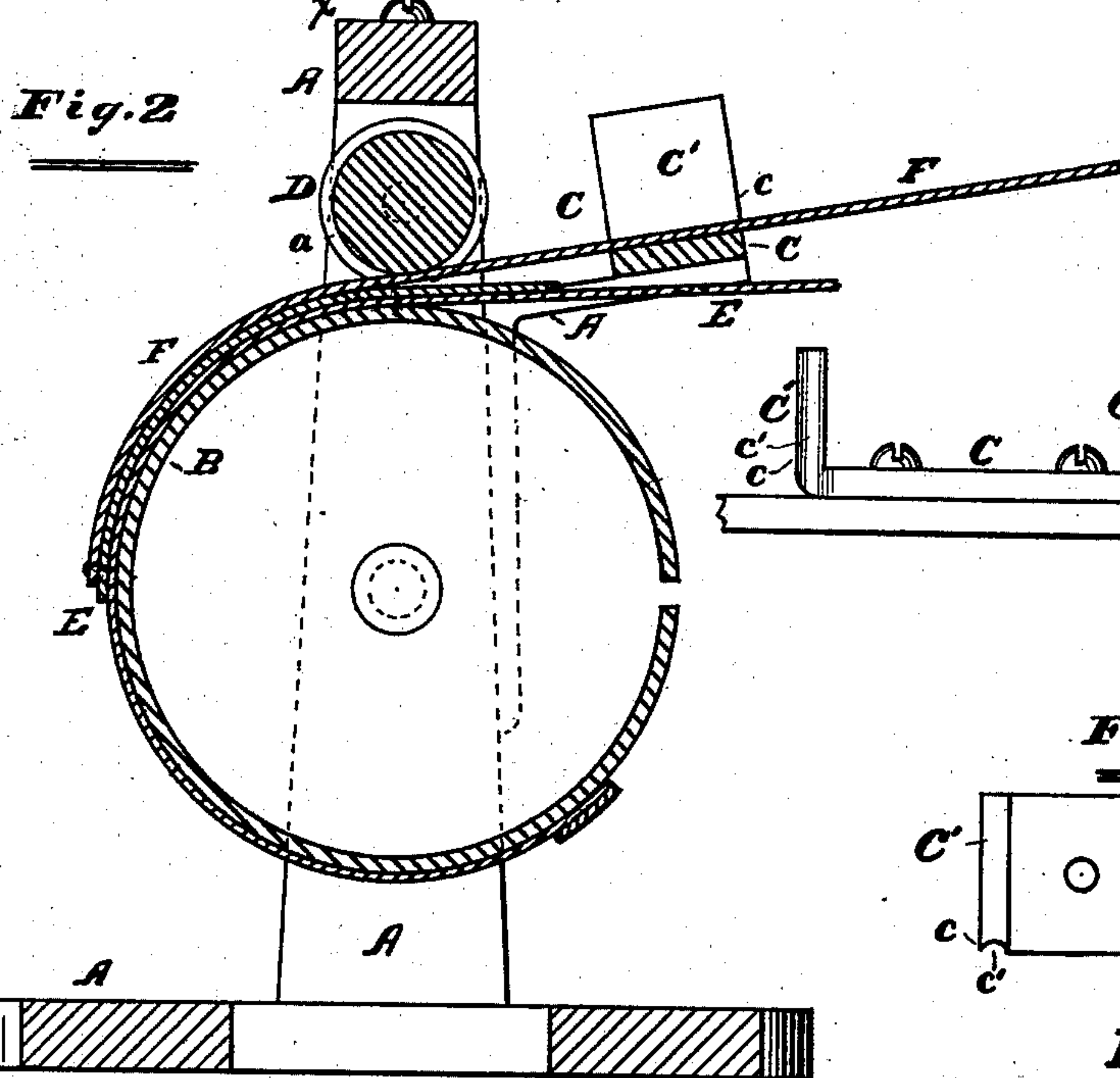


Fig. 2

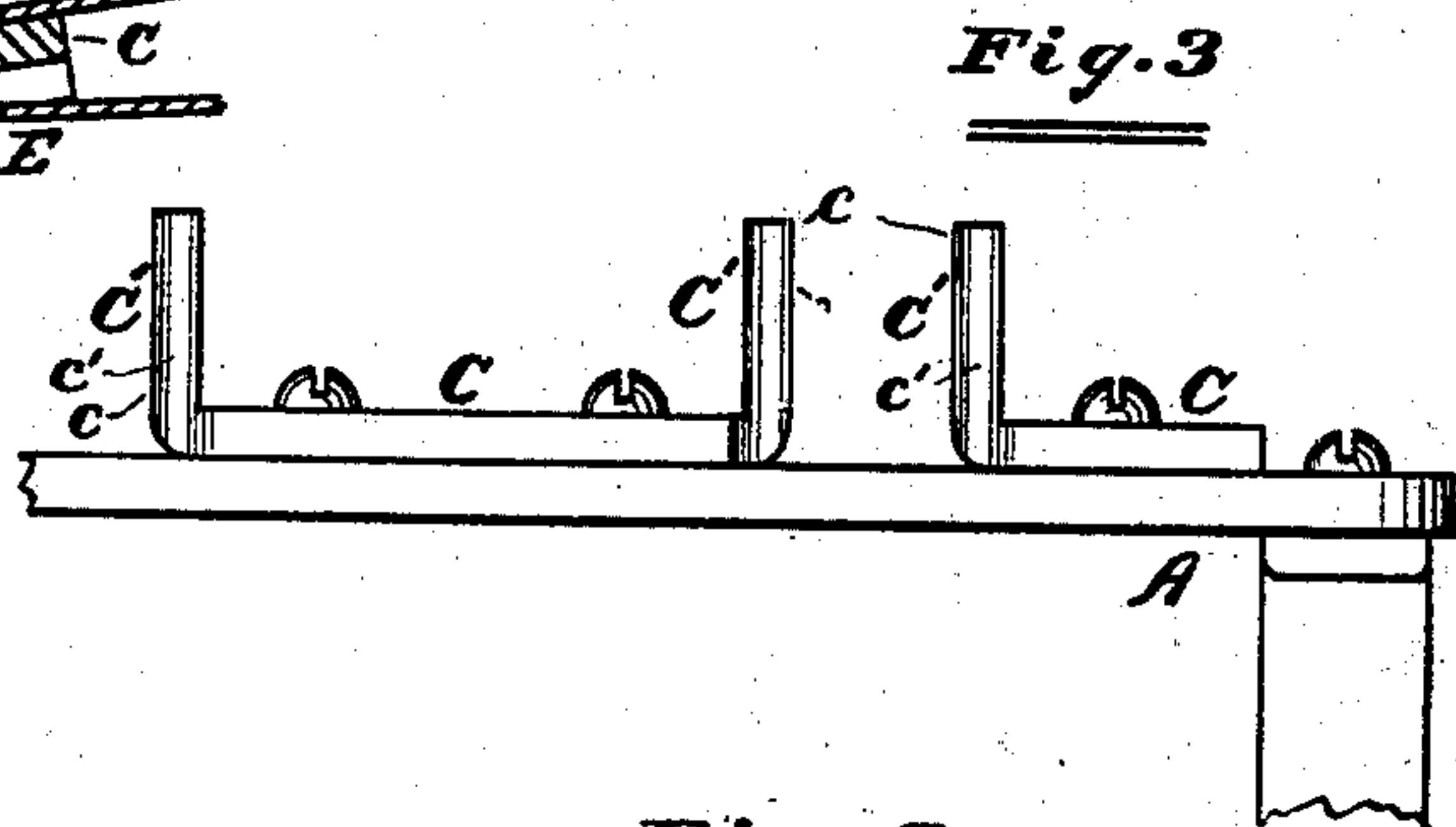


Fig. 3

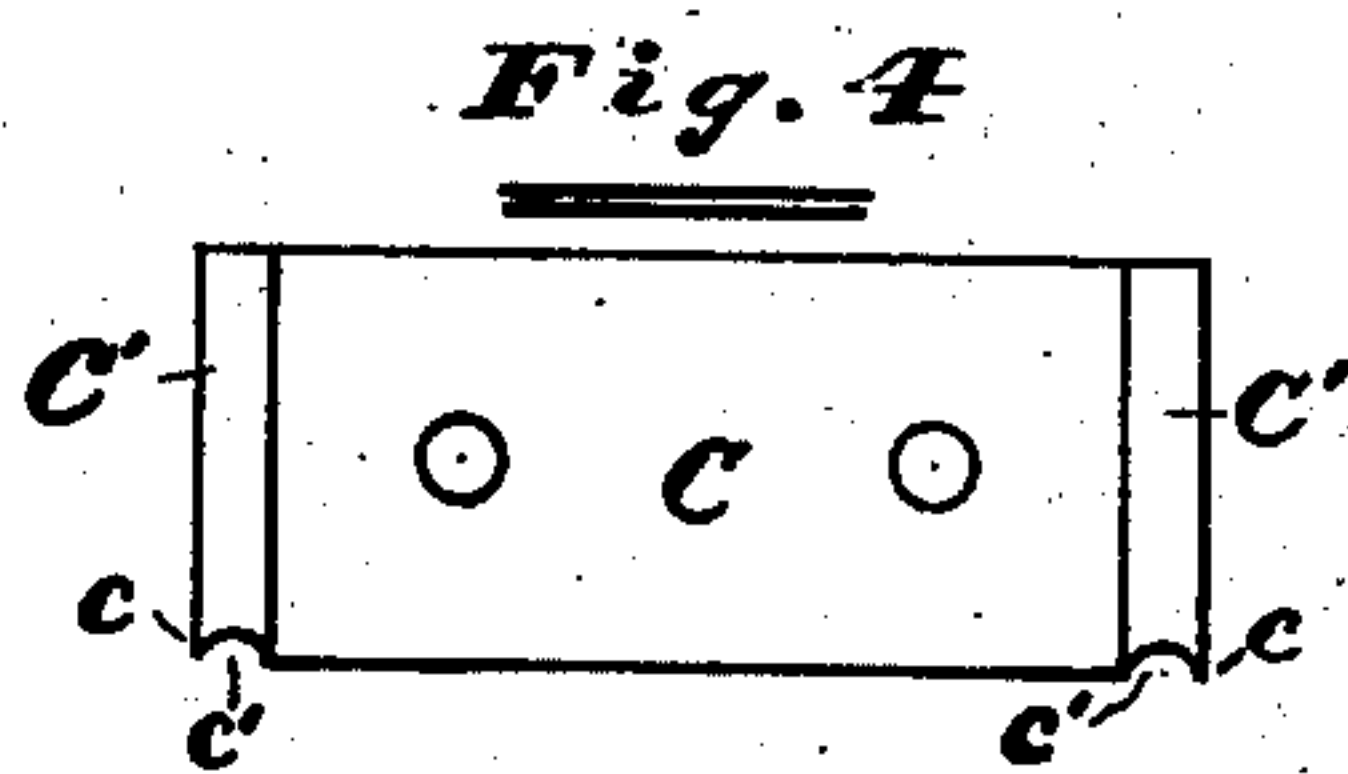


Fig. 4

Attest:

W. L. Baker
Jno. G. Elliott

INVENTOR:

George Farnsworth
By F. F. Wamman, his
Attorney

UNITED STATES PATENT OFFICE.

GEORGE FARNSWORTH, OF CHICAGO, ILLINOIS.

BARREL-MACHINE.

SPECIFICATION forming part of Letters Patent No. 224,587, dated February 17, 1880.

Application filed December 18, 1879.

To all whom it may concern :

Be it known that I, GEORGE FARNSWORTH, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Machines for Making Barrels, of which the following, in connection with the accompanying drawings, is a specification.

In the drawings, Figure 1 is a top or plan view of a barrel-machine embodying my invention; Fig. 2, a vertical section in the plane of the line *x x*; Fig. 3, a rear view of the guides and trimmers detached, and Fig. 4 a top or plan view of the same.

Like letters of reference indicate like parts.

My invention relates to that class of barrel-making machines adapted to make barrels consisting of veneers wound upon an expansible and contractible cylinder, and bound by means of hoops. Heretofore machines of this class have been provided with guides for the purpose of holding in place the strips forming the hoops while the latter were being applied.

My present invention relates only to these guides, and my object is to so construct them that they will perform the function of trimming the edges of the hoop-strips, as well as the function of guides.

To this end my invention consists in constructing the guides substantially in the manner hereinafter set forth.

In the drawings, A represents the frame of a barrel-making machine of the class hereinbefore referred to, and B is the cylinder. C C are the guides, and D is a presser-roller, cut as shown at *a a*, to receive the hoops. E is the veneer forming the body of the barrel, and F F are the hoop-strips.

My invention, as before stated, relates wholly to the guides C C, and in order to cause them to perform the function of trimmers, as well

as of guides, with advantage, I make the rear edges of the vertical parts of the guides sharp or knife-like, so that these sharp edges, which are arranged for contact with the edges of the strips F F as the latter are being wound upon the veneer upon the cylinder, will trim off the edges of the said strips where they are uneven, or when the strips are too broad to pass easily through the guides, thus not only making the hoops of uniform width throughout and giving them a smooth and even edge, but preventing the strips from being wedged tightly in the guides, and from being crowded therein whenever a part is reached which is too broad to pass easily between the guides.

C' C' represent the vertical parts of the guides, and *c c* are the sharp or knife-like edges. These edges may be made sharp either by grooving them, as shown at *c' c'*, or by beveling them, or in any well-known and suitable way, and I do not therefore here intend to restrict myself to the grooves *c' c'*.

It will be perceived from the foregoing description, and from reference to the drawings, especially to Fig. 1, where the relative positions of all the parts are clearly shown, that the guides C C will also perform the function of trimmers.

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

The combination, with the cylinder and frame of a barrel-making machine, of the hoop-guides and trimmers C C, having guide portions C' C', with sharp or knife-like edges *c c*, substantially as and for the purposes specified.

GEORGE FARNSWORTH.

Witnesses :

F. F. WARNER,
H. C. BALLARD.