

No. 671,376.

Patented Apr. 2, 1901.

F. W. GRANT.
ROLLER ALBUM.

(Application filed Mar. 10, 1900.)

(No Model.)

Fig. 1.

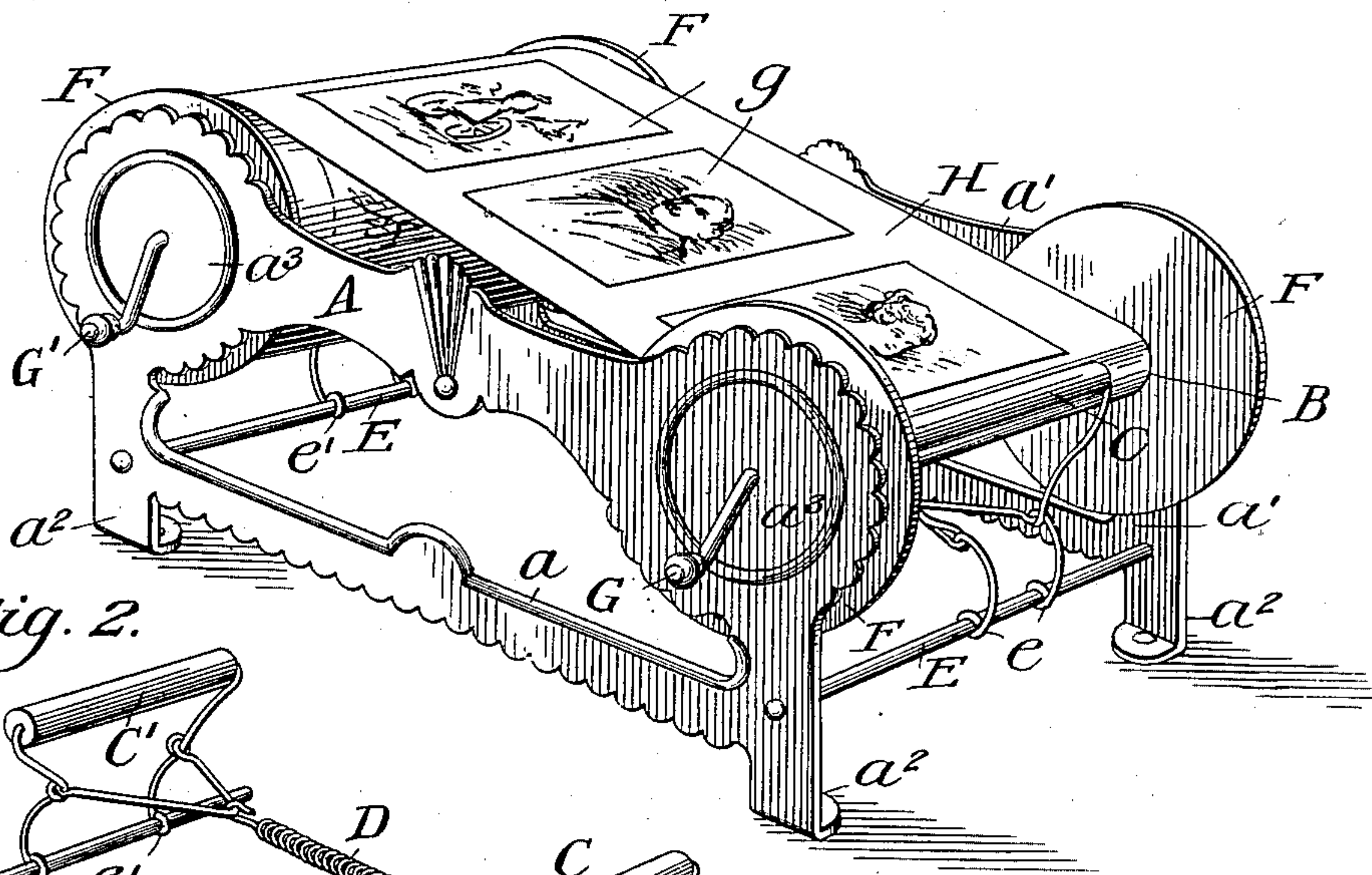


Fig. 2.

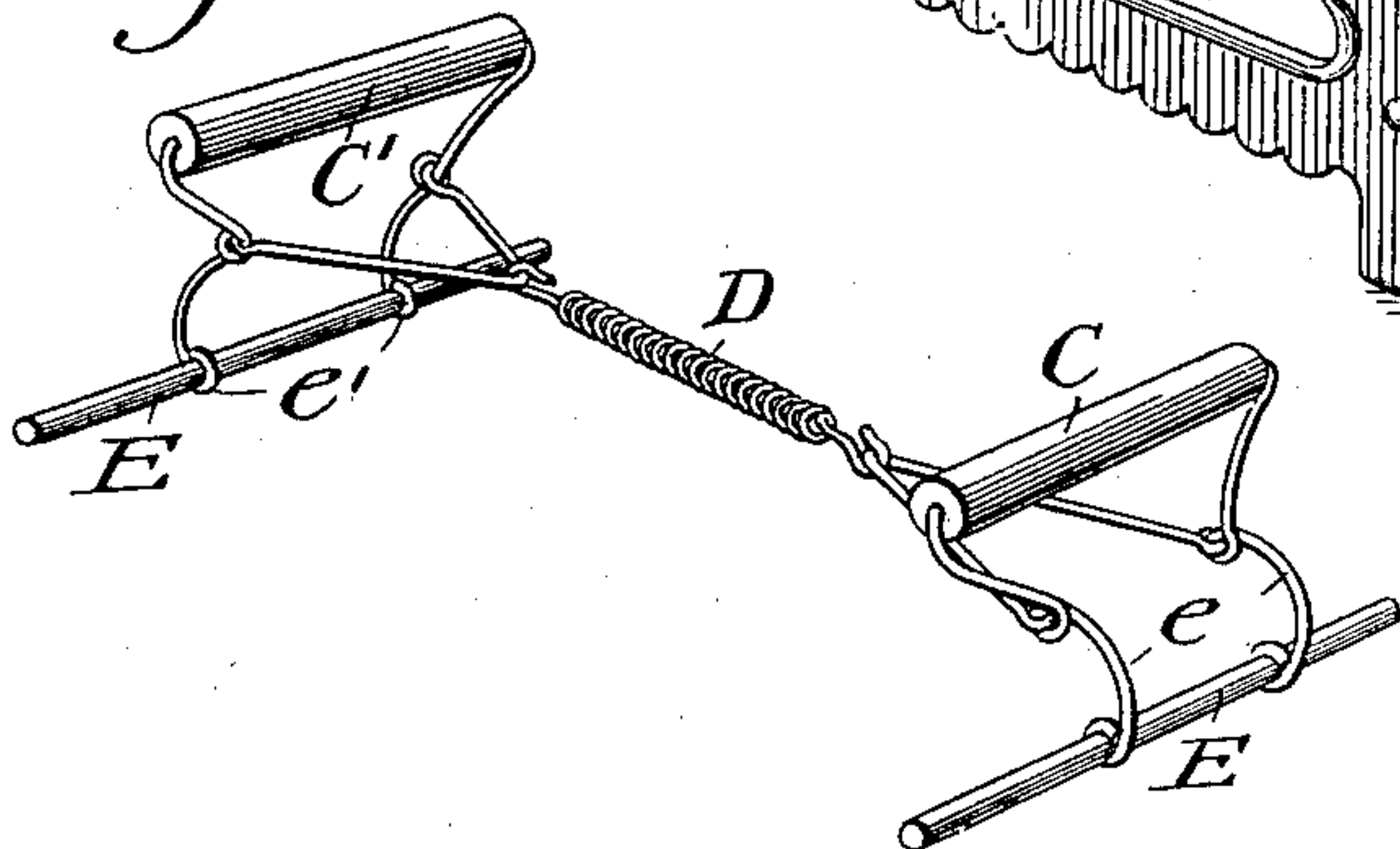
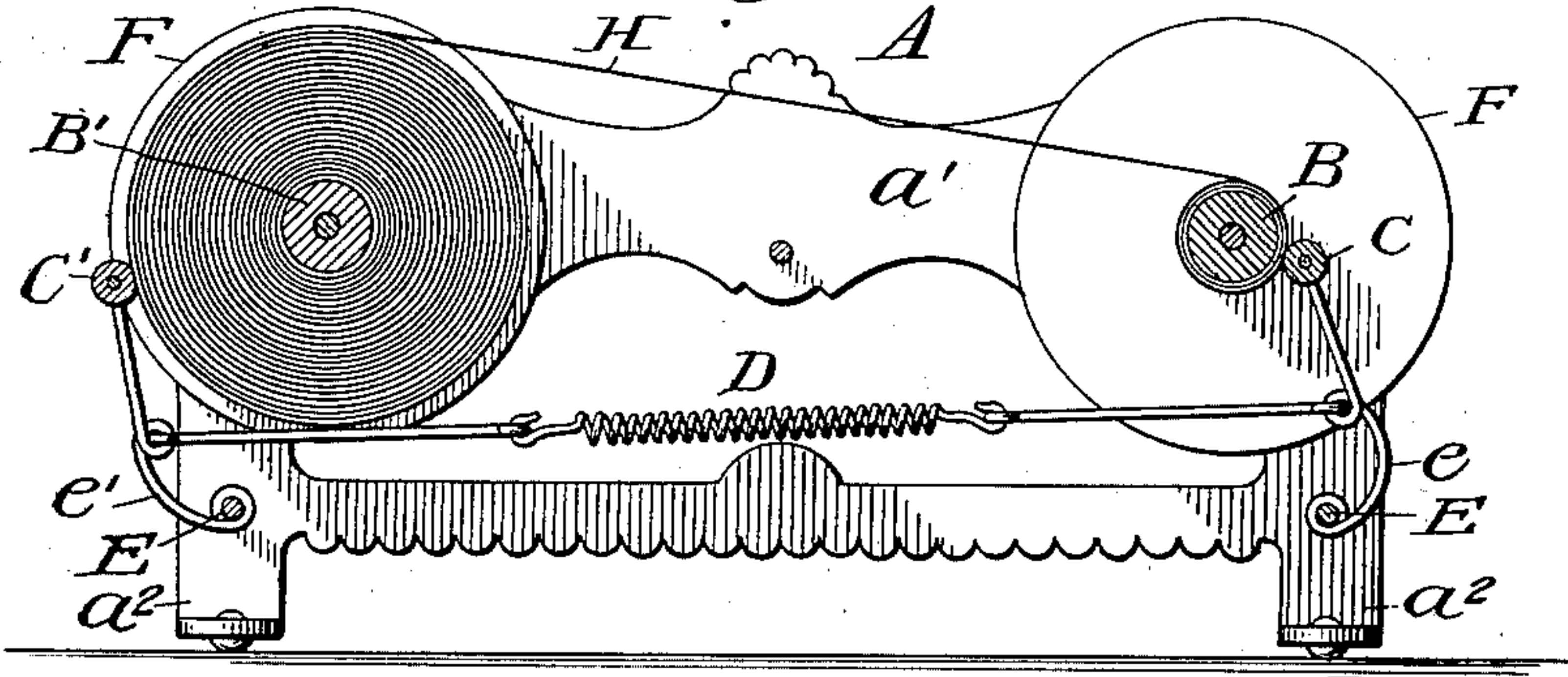


Fig. 3.



Witnesses,
B. M. Tillman
A. Gustafson

Inventor,
Frank W. Grant.
By Chas. C. Tillman
Atty.

UNITED STATES PATENT OFFICE.

FRANK W. GRANT, OF CHICAGO, ILLINOIS.

ROLLER-ALBUM.

SPECIFICATION forming part of Letters Patent No. 671,376, dated April 2, 1901.

Application filed March 10, 1900. Serial No. 8,175. (No model.)

To all whom it may concern:

Be it known that I, FRANK W. GRANT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Roller-Albums, of which the following is a specification.

This invention relates to picture-albums, and while it is more especially designed to be used for holding, preserving, and exhibiting photographic pictures, yet it may be employed for other kinds of pictures or for exhibiting and holding other articles, such as samples of paper, fabrics, clippings from newspapers or books, and the like; and it consists in certain peculiarities of the construction, novel arrangement, and operation of the various parts thereof, as will be hereinafter more fully set forth and specifically claimed.

The objects of my invention are, first, to provide an album which shall be simple and inexpensive in construction, strong, durable, and attractive in appearance, and compact in form; second, such an album which by reason of the peculiar construction and operation of its parts will accommodate a great number of pictures and will enable them to be arranged on a ribbon or apron, so that they may be readily exhibited in successive order, and when not being exhibited will be protected from the light, thus preventing their fading, and, third, to provide an album having means to hold the ribbon on which the pictures are mounted taut and so as to prevent the ribbon or pictures being wrinkled when wound on the rollers.

Other objects and advantages will appear in the subjoined description and explanation.

In order to enable others skilled in the art to which my invention pertains to make and use the same, I will now proceed to describe it, referring to the accompanying drawings, in which—

Figure 1 is a perspective view of a roller-album embodying my invention and showing the parts thereof in position ready for use and pictures mounted on the flexible ribbon or apron. Fig. 2 is a detached perspective view of the compressor or holder for the ribbon; and Fig. 3 is a central longitudinal sectional view, partly in elevation, of the complete album.

Similar letters refer to like parts throughout the different views of the drawings.

A represents the main or supporting frame, which may be made of any suitable size, form, and material, but preferably of metal and substantially of the form shown in Fig. 1 of the drawings. This frame comprises two sides $a a'$, having legs a^2 at their lower ends and provided at their upper corners or ends with rounded portions a^3 , in which are transversely-journaled rollers B and B', which rollers are provided at one of their ends with cranks G and G' to be used for turning the same. Each of the rollers B and B' is provided at each of its ends with circular flanges or disks F, located on the inner surfaces of the sides of the main or supporting frame, and are for the purpose of forming spool-like receptacles of the rollers for the ribbon or apron H, which may be of cloth, paper, or other suitable material, and one end of which is secured to the roller B and the other end to the roller B'. The lower portions of the sides a and a' , comprising the main supporting-frame, are connected near their ends by means of tie-rods E, on which are mounted upwardly-extending arms e and e' , on the upper portions of which are journaled friction-rollers C and C', which rollers rest against the outer surface of the ribbon H at the ends of the frame, so that the roller C will press the ribbon against the roller B and the roller C' will press the ribbon against the roller B', thus holding the ribbon in a taut condition and preventing wrinkles therein. The arms e and e' are connected by means of a spring D, which is preferably spiral, as shown in Figs. 2 and 3 of the drawings.

When it is desired to mount the pictures g on the ribbon, it may be unwound from one of the rollers and held taut, while a small piece of board or other smooth material may be placed so as to rest on the upper surface of the sides a and a' of the main frame and under the ribbon, when the pictures or other devices may be secured thereto by means of mucilage or other adhesive substance, the ribbon being wound on one roller and unwound from the other, so as to shift its position and expose a new space for the reception of the picture or other device. When it is desired to exhibit the pictures, it is appar-

ent that the ribbon may be wound on one roller and unwound from the other, in which operation the pictures will be disclosed successively and will be covered by the ribbon, 5 so as to protect them from the light, thus preventing their fading.

By using an album of the above-described construction I provide a simple and efficient means for mounting and preserving photographic prints, as well as other kinds of pictures and devices, and obviate the expense and time required in mounting them on card mounts, as is usually necessary.

It is evident that by employing the compressor or spring-pressed friction-rollers C and C' to impinge the ribbon at the ends of the frame the ribbon, as well as the pictures, is caused to be rolled up in a compact form and without wrinkles, which would soon de-

face the pictures and cause them to be loosened from the ribbon. 20

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

In a roller-album, the combination of the main or supporting frame, with a roller journaled near each end thereof, a ribbon secured at its ends to said rollers, a friction-roller movably journaled near each of the first-named rollers so as to lie parallel therewith 25 and to press the ribbon against the rollers on which it is wound, and a spring connecting the friction-rollers, substantially as described. 30

FRANK W. GRANT.

Witnesses:

CHAS. C. TILLMAN,
A. GUSTAFSON.