

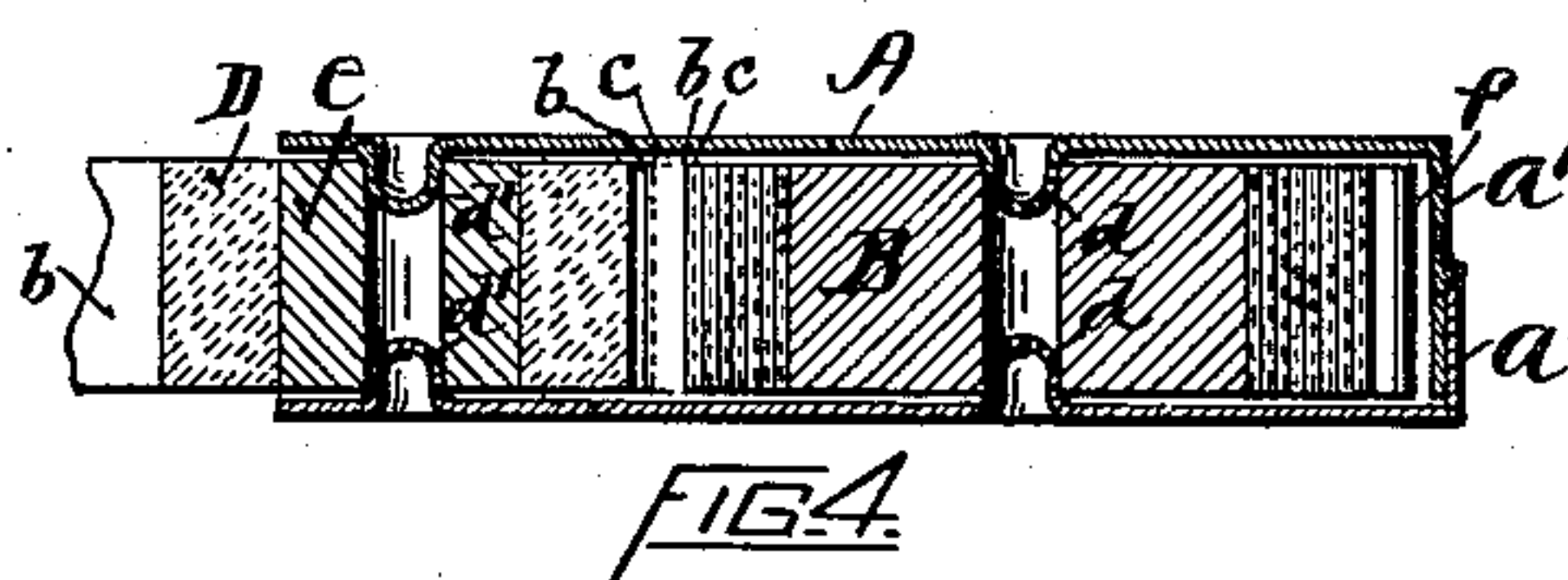
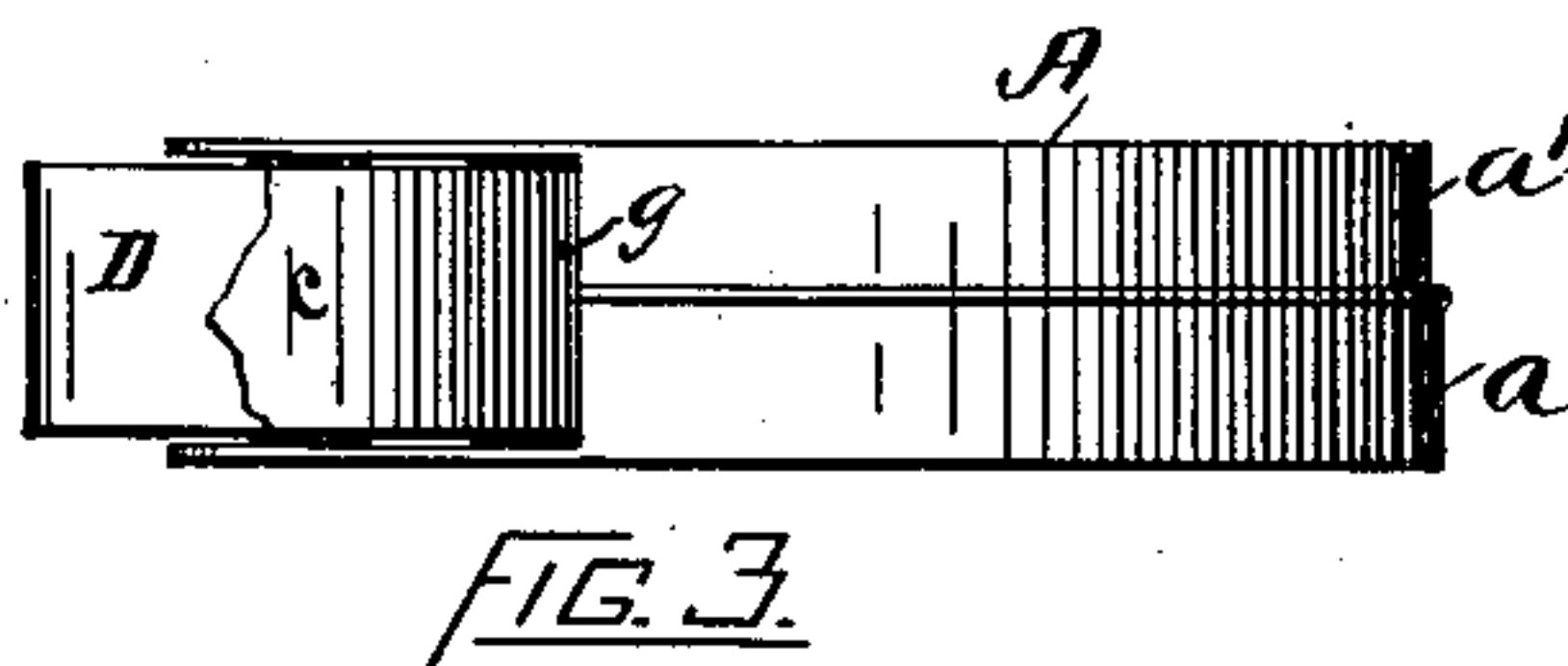
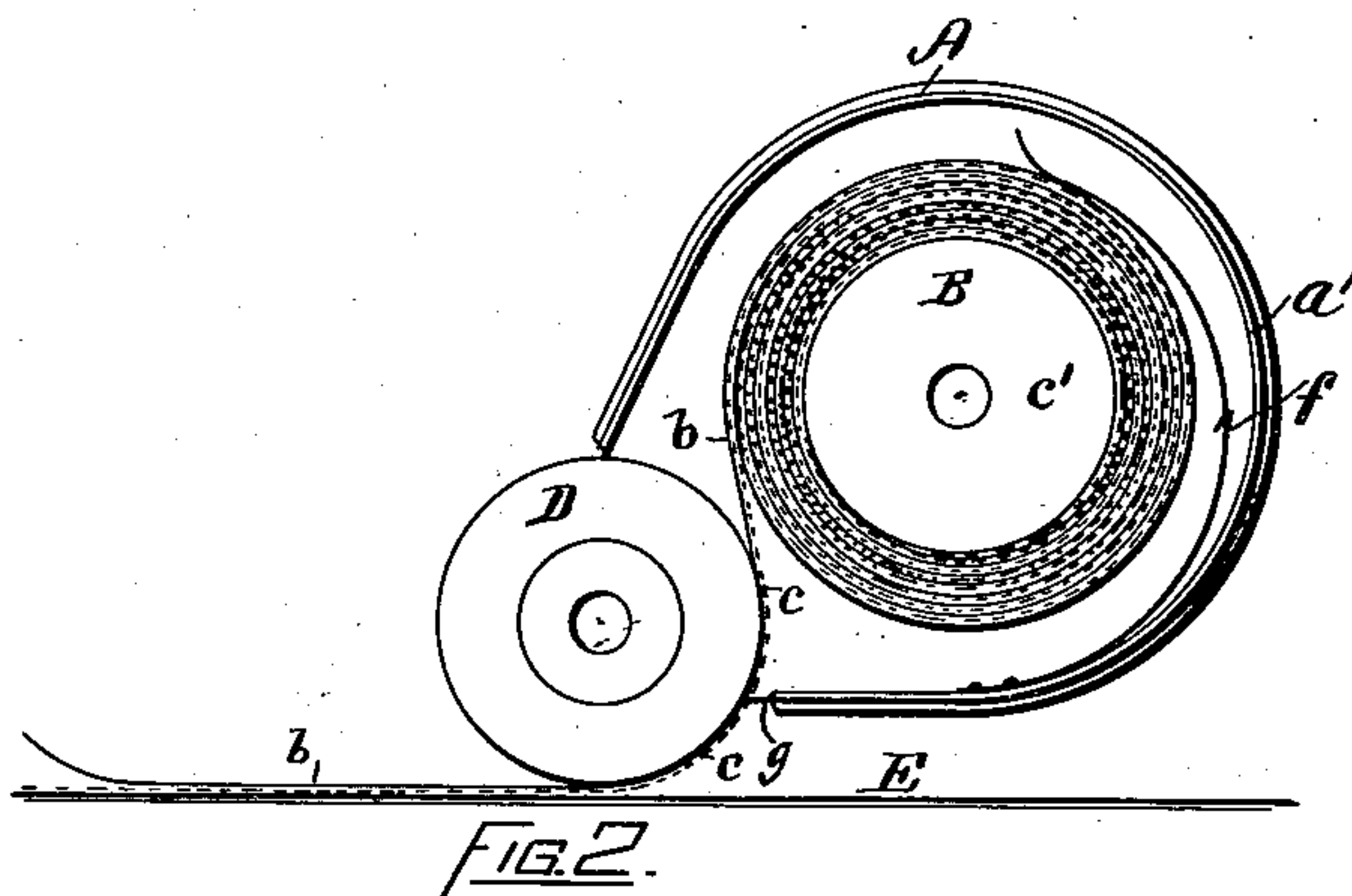
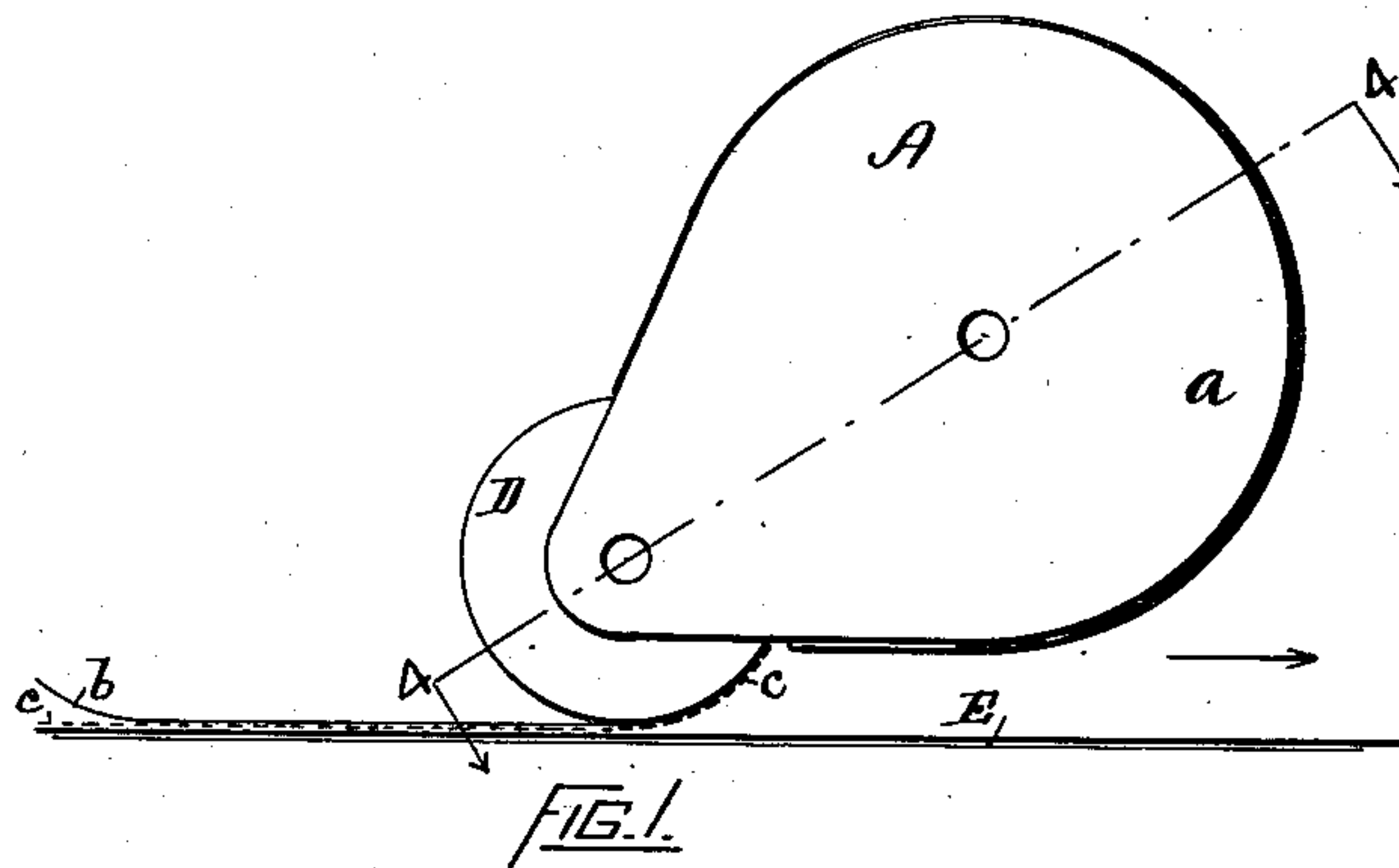
(No Model.)

W. H. COE.

DEVICE FOR APPLYING DECORATIVE FILMS.

No. 541,057.

Patented June 11, 1895.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WALTER H. COE, OF PROVIDENCE, RHODE ISLAND.

DEVICE FOR APPLYING DECORATIVE FILMS.

SPECIFICATION forming part of Letters Patent No. 541,057, dated June 11, 1895.

Application filed August 2, 1894. Serial No. 519,314. (No model.)

To all whom it may concern:

Be it known that I, WALTER H. COE, a citizen of the United States, residing at Providence, in the State of Rhode Island, have invented a new and useful Improvement in Devices for Applying Decorative Films, of which the following is a specification.

My invention relates to a device for unwinding decorative films from spirally wound package-rolls, and depositing the films upon a prepared surface for the purpose of decoration; and it consists in the employment of an independent delivering roller, for depositing the film upon the surface to be decorated; and in the improved construction of the holding case for the delivering-roller and the package-roll, as hereinafter fully set forth.

In the accompanying drawings, Figure 1 represents a side view of the film-applying device. Fig. 2 represents an inner view of the same, the front side or cover of the case being removed. Fig. 3 represents a lower edge view. Fig. 4 represents a section taken in the line 4 4 of Fig. 1.

In the accompanying drawings, A represents a sheet metal case, formed up in two opposite parts a, a' , one fitting within the other to form the sides of a box adapted to hold the package-roll B, which consists of the perforated wooden core c' , upon which is spirally wound a strip of paper b , provided at one side with a film of gold or other metallic leaf, indicated by the dotted line c , the said film being preferably wound upon the package-roll at the inner side of the paper-strip so that in passing around the under side of the delivering roller D, as shown in Fig. 2, the metallic film c will be brought into contact with the surface E to be decorated, the said surface being properly prepared with an adhesive sizing, whereby the film will be retained upon the said surface upon the removal of the strip.

The sides a, a' , of the case A, are preferably provided with the inwardly directed projections d, d' , which may be formed integral with the said sides a, a' , the said projections serving to form the turning bearings for the package-roll B, and for the delivering-roller D, the said delivering-roller being preferably made of rubber, felt, or other elastic material, and provided with a bushing e , which is adapted

to run loosely upon the projections d' , which extend inwardly from the opposite sides a, a' , of the case, the part a' , fitting within the part a , as shown in the section Fig. 4.

At the rear of the part a' of the case A, is placed the friction spring f , the outer end of which bears against the periphery of the package-roll, to friction the same, and prevent it from being turned accidentally.

The case A is cut away at its edge in order to provide for the suitable projection of the delivering roller D from the case, and an opening g is left in the edge of the case at one side of the delivering-roller D, for the convenient passage of the paper strip and film from the package-roll B, to the bottom of the delivering-roller, or to its bearing point on the surface E, to be decorated.

In operating with the device, the parts a, a' , of the case A, are first separated from each other by withdrawing the side a from the side a' , and the delivering-roller D and the package-roll B, then placed upon their respective bearing projections d and d' , of the side a' , with the end of the paper-strip from the package-roll projecting through the opening g , in the edge of the side a' . Then upon replacing the part a , upon the part a' , the device is ready for operation, the paper-strip being held by the finger of one hand upon the surface E, while the case A which is held between the thumb and finger of the other hand, is being drawn forward in the direction of the arrow, so that as the strip and film are being drawn from the package-roll under the delivering-roller, the film will be deposited upon the prepared surface, from which the paper-strip which is outside of the film, may be readily removed; and upon the completion of the proper forward movement of the delivering-roller D, over the surface to be decorated, the deposited film and the paper-strip may be torn from that portion of each which still remains with the package, undeposited, and the separated strip may thereupon be removed from the film, which is thus left upon the surface E which is to be decorated.

The delivering roller is arranged for movement independently of the package-roll, the said package-roll being caused to unwind by a pull upon the paper-strip, and not by fric-

tional contact between the delivering-roller and the package-roll, as heretofore in devices for this purpose. I am by this means enabled to employ a soft yielding delivering-roller
5 adapted to deposit the film upon uneven surfaces, with a holding device of very simple and inexpensive construction.

I claim as my invention—

1. The combination of the delivering roller,
10 with the package roll arranged for revolution in fixed relation to the delivering roller, whereby the package roll must be caused to revolve by a direct pull upon the unwinding strip, and frictional means for preventing the

free rotation of the package roll, substantially 15 as described.

2. In a device for applying decorative films, the combination with the delivering roller, of the holding-case, formed with separable sides, and having inwardly projecting bearings 20 which are adapted to hold the delivering roller and the package-roll for revolution, substantially as described.

WALTER H. COE.

Witnesses:

SOCRATES SCHOLFIELD,
PHILO S. PERKINS.