

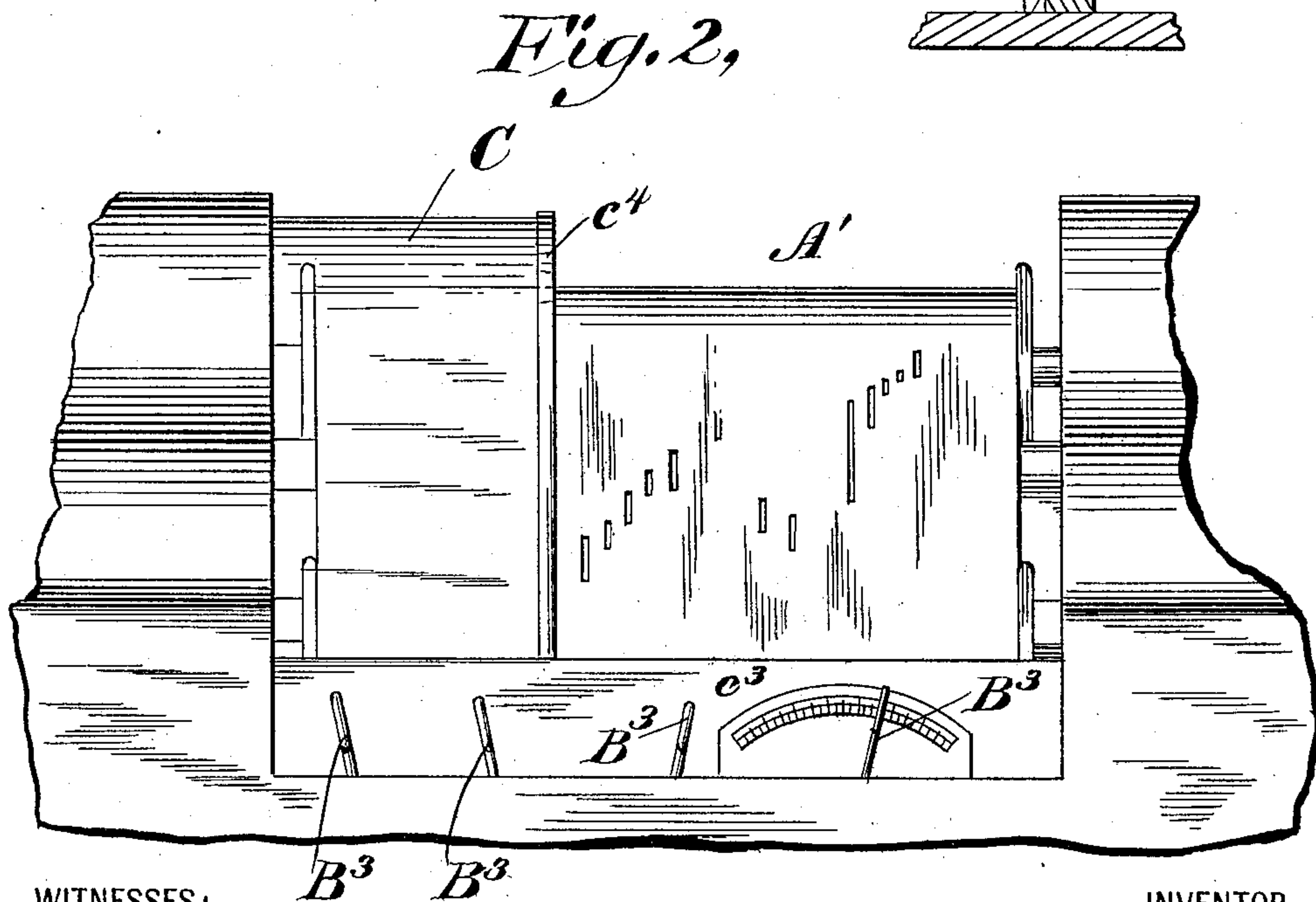
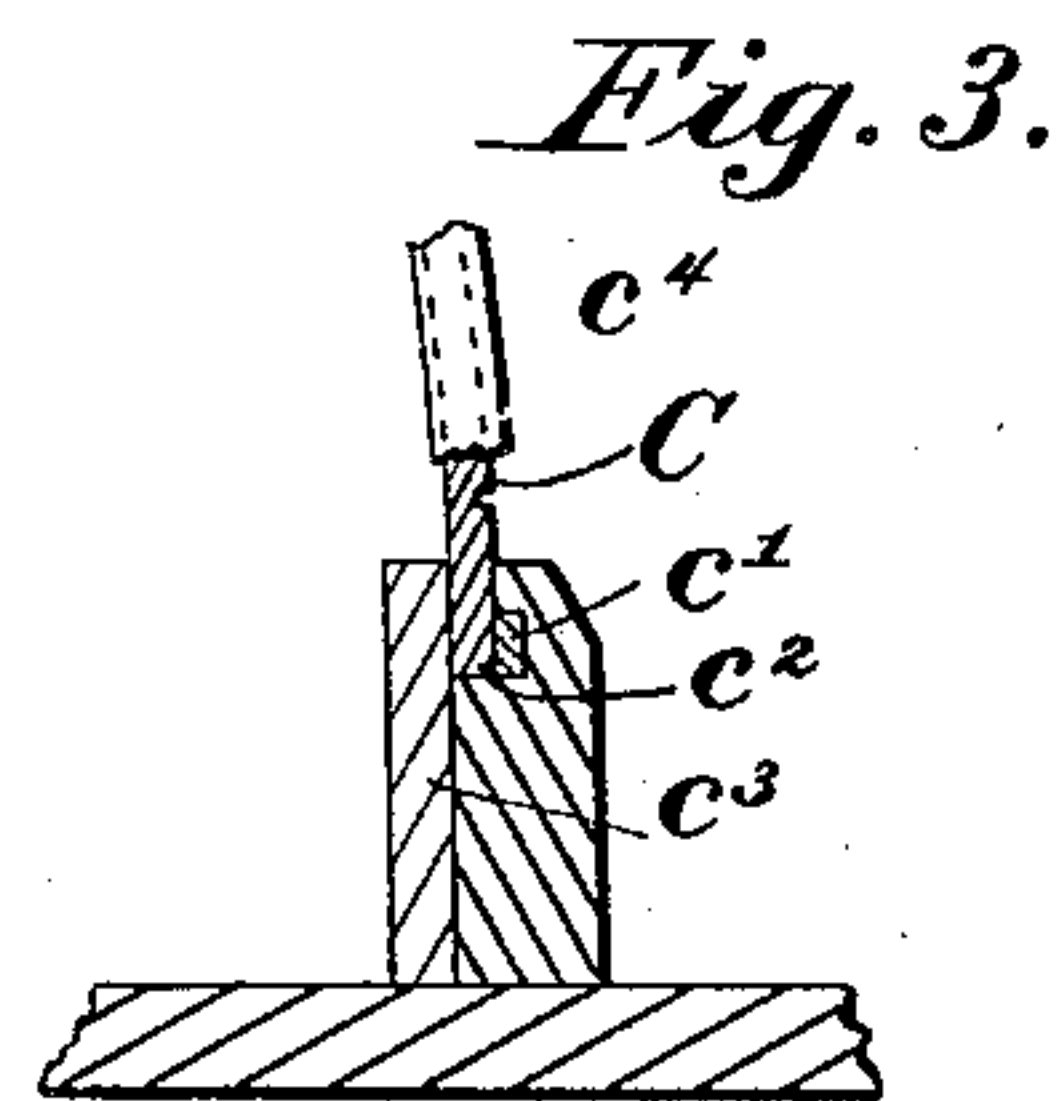
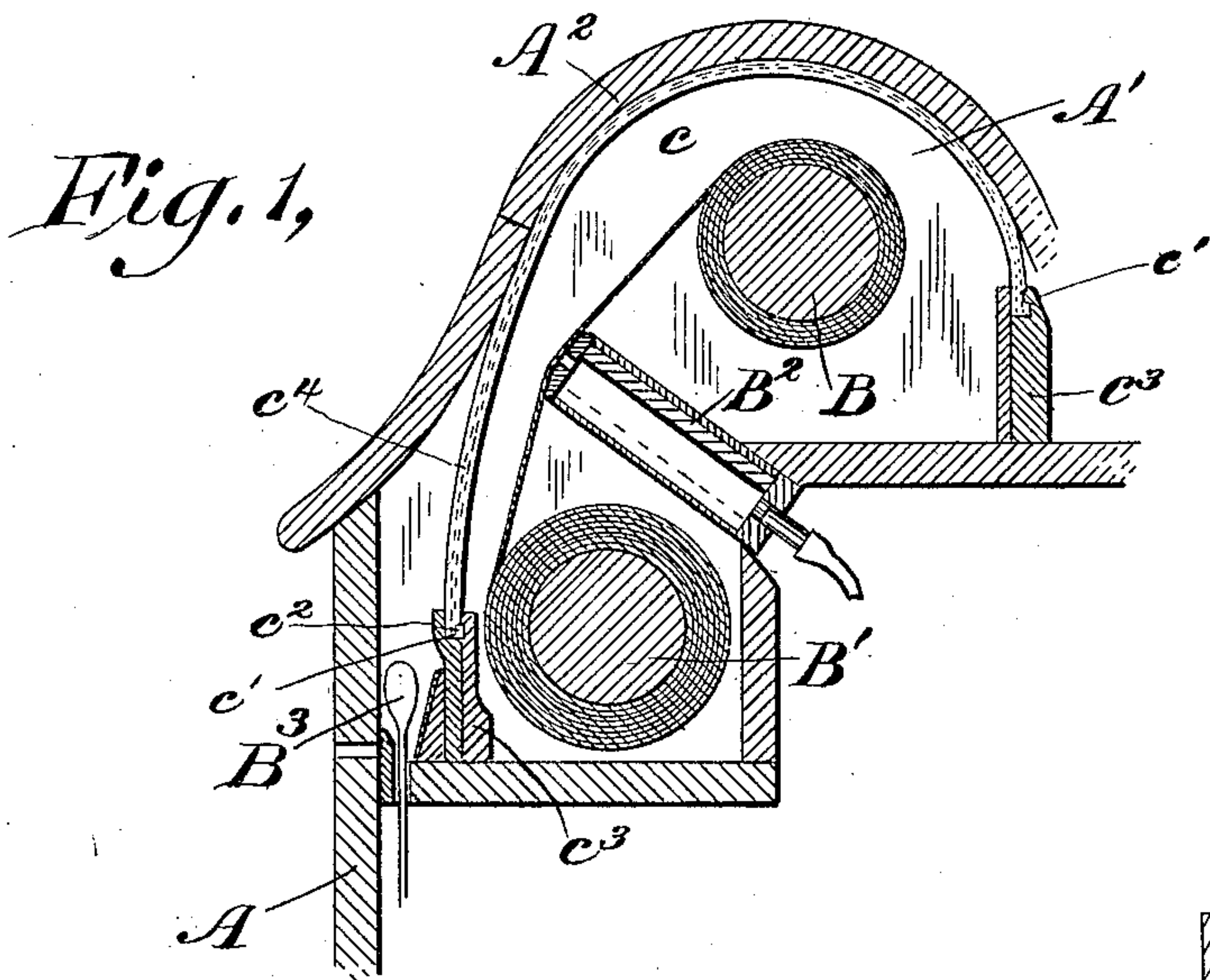
No. 698,480.

Patented Apr. 29, 1902.

C. L. EMMONS.  
MECHANICAL MUSICAL INSTRUMENT.

(Application filed Dec. 2, 1901.)

(No Model.)



WITNESSES:

*Geo. E. Emmons*  
*Charles D. Jones.*

INVENTOR

*Charles L. Emmons*

BY

*Richard M. Brown & H. A. Hagan*  
HIS ATTORNEYS.



# UNITED STATES PATENT OFFICE.

CHARLES LEWIS EMMONS, OF CRANFORD, NEW JERSEY, ASSIGNOR TO  
THE AEOLIAN CO., OF NEW YORK, N. Y., A CORPORATION OF CON-  
NECTICUT.

## MECHANICAL MUSICAL INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 698,480, dated April 29, 1902.

Application filed December 2, 1901. Serial No. 84,425. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES LEWIS EMMONS, a citizen of the United States, residing at Cranford, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Mechanical Musical Instruments, of which the following is a specification.

My invention relates to mechanical musical instruments, and particularly to that class of mechanical musical instruments comprising a perforated music-sheet which travels over a tracker-board.

The object of my invention is to prevent from being heard the noise or sound produced by the passage of the music-sheet over the tracker-board and the winding of the music-sheet from one roll onto another.

I will describe a mechanical musical instrument embodying my invention and then point out the novel features thereof in the claims.

In the accompanying drawings, Figure 1 is a vertical transverse section of a portion of a mechanical musical instrument embodying my invention. Fig. 2 is a front elevational view of the instrument shown in Fig. 1, and Fig. 3 is a detail sectional view and drawn to a larger scale than Figs. 1 and 2.

Similar letters of reference designate corresponding parts in all the figures.

The mechanical musical instrument represented in the drawings is in the form of a pianola.

A represents a portion of the casing of the pianola, and A' the usual space or recess which is provided for the spools B B' of the music-sheet, the tracker-board B<sup>2</sup>, and the controlling-levers B<sup>3</sup> of several mechanisms comprised in the instrument. These parts and their operation are so well known that they will not be described further.

C represents a cover, preferably of some transparent material—as, for example, celluloid—which is adapted to close that portion of the space or opening A' in which the two spools B B' and the tracker-board are located.

This cover is in addition to the usual folding cover for the space or recess A'. For convenience in using the cover C it is here shown as being adapted to be slid into and out of its position over the rolls and tracker-board. The cover C is also shown as being arched in transverse section, and this is done in order to have it accommodate itself to the shape of the opening in which it slides. As here shown, the cover C slides over a vertical wall c of the space A' and underneath the curved top A<sup>2</sup> of the instrument. In Fig. 2 the cover is shown as being partly underneath the curved top A<sup>2</sup>. Each longitudinal edge of the cover C (see Fig. 3) is provided with a metal or other strip c', and these strips, together with the edges of the cover, fit in mortise grooves c<sup>3</sup>, provided in supports c<sup>3</sup>. Obviously the strips c' may be dispensed with.

c<sup>4</sup> represents a strip provided on a transverse edge of the cover and constituting a flange. This flange may serve as a means by which the cover may be slid into and out of position from over the rolls and tracker-board. It is obvious that the flange may be made from the material of the cover.

It will be observed that when the cover is over the rolls and tracker-board any noise or sound that may be produced by the passage of the music-sheet over the tracker-board or its winding from one spool onto the other will not be heard. As the cover is of transparent material, the music-sheet and rolls may be easily seen.

Having thus described my invention, what I claim as new is—

1. In a mechanical musical instrument the combination of a casing having a recess, music-spools and a tracker-board located in said recess, a pair of supports also provided in said recess and extending longitudinally thereof, and a transparent cover having two opposite edges in engagement with said supports and adapted to be slid therealong.

2. In a mechanical musical instrument the combination of a casing having a recess, music-spools and a tracker-board located in said

recess, a pair of grooved supports also provided in said recess and extending longitudinally thereof, a transparent cover having two opposite edges fitting in the grooves of said  
5 supports and means for retaining said edges in the said grooves.

In testimony whereof I have signed my

name to this specification in the presence of two subscribing witnesses.

CHARLES LEWIS EMMONS.

Witnesses:

GEO. E. CRUSE,

JOS. P. McELDUFF.