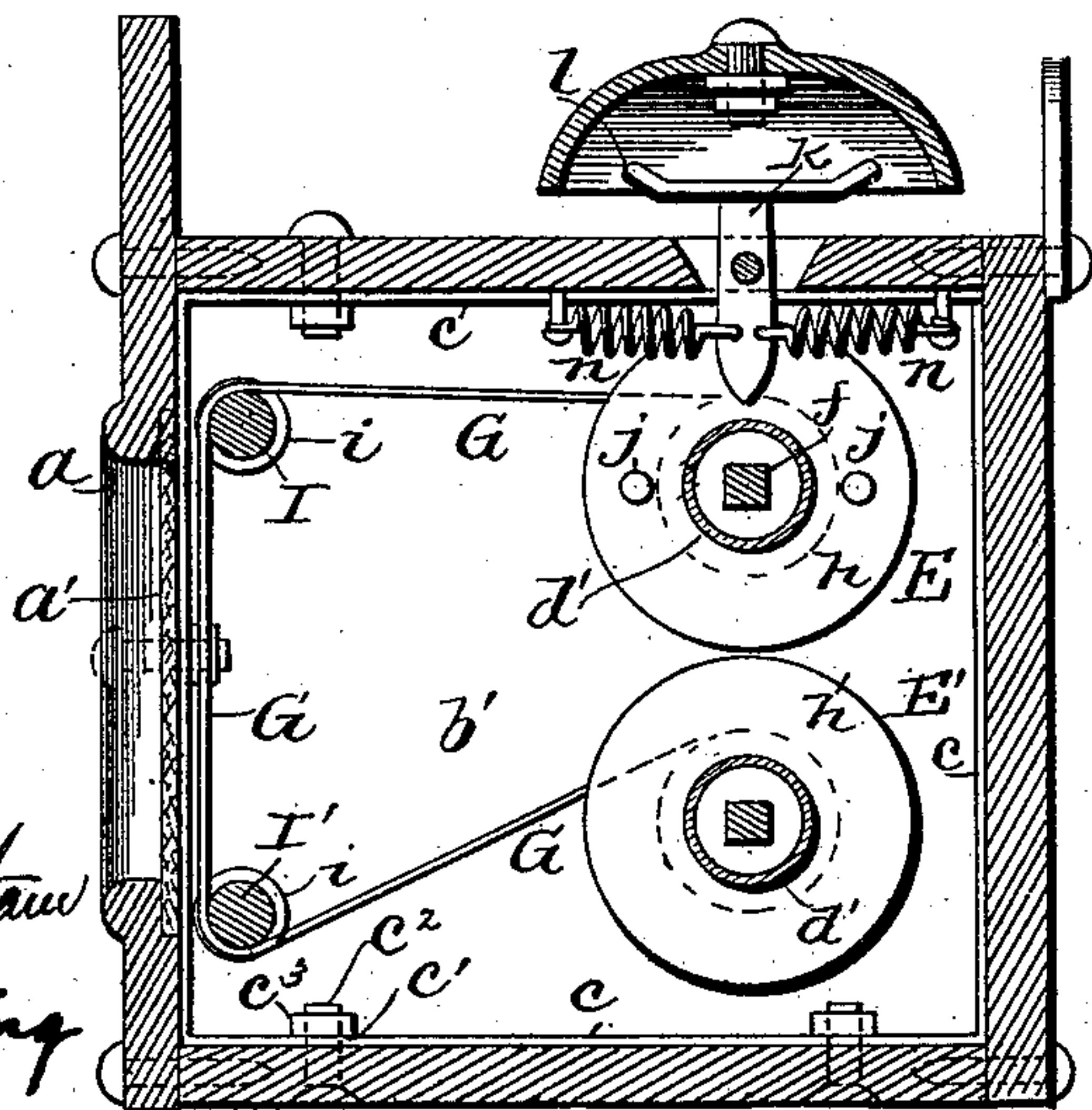
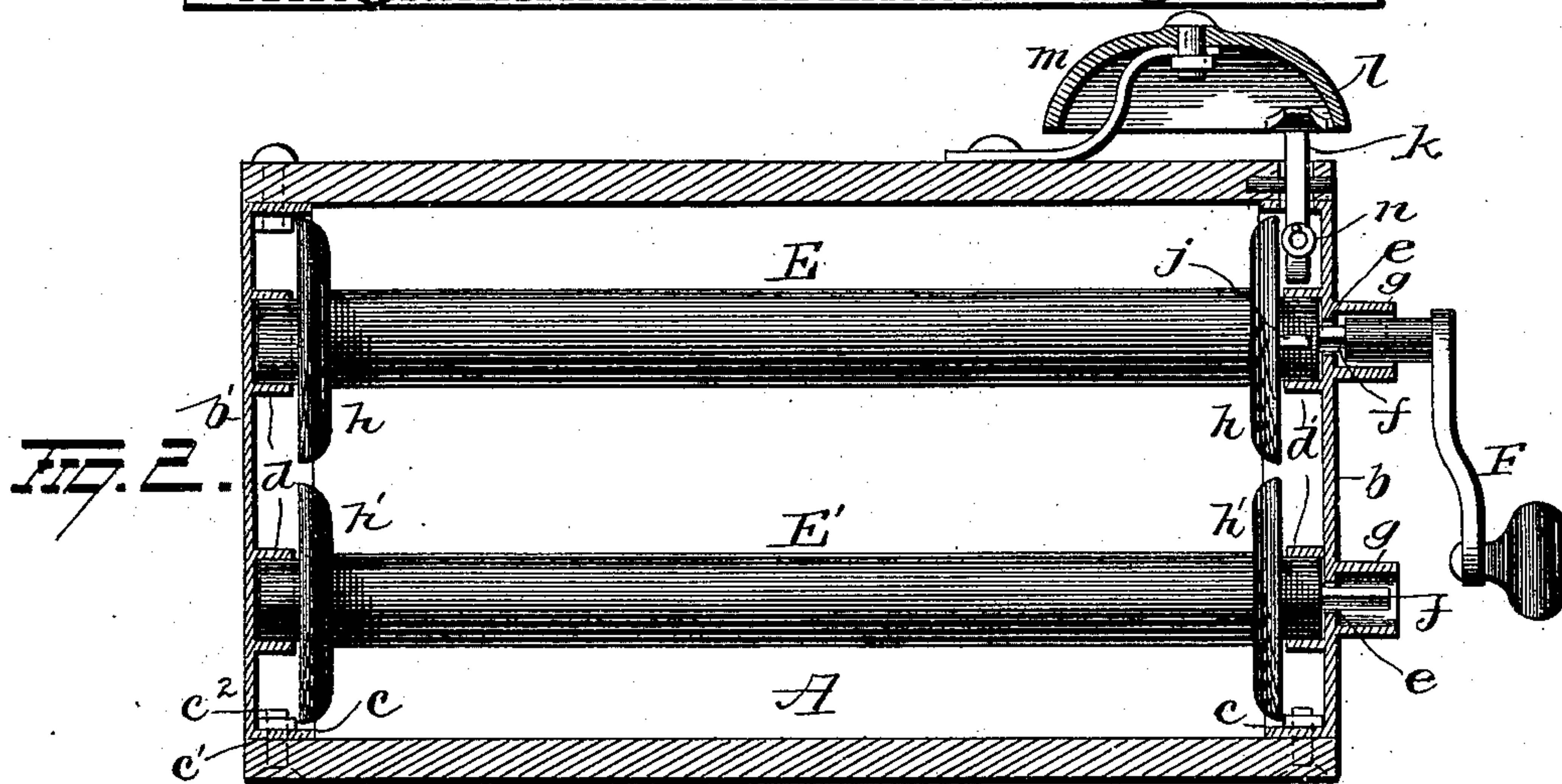
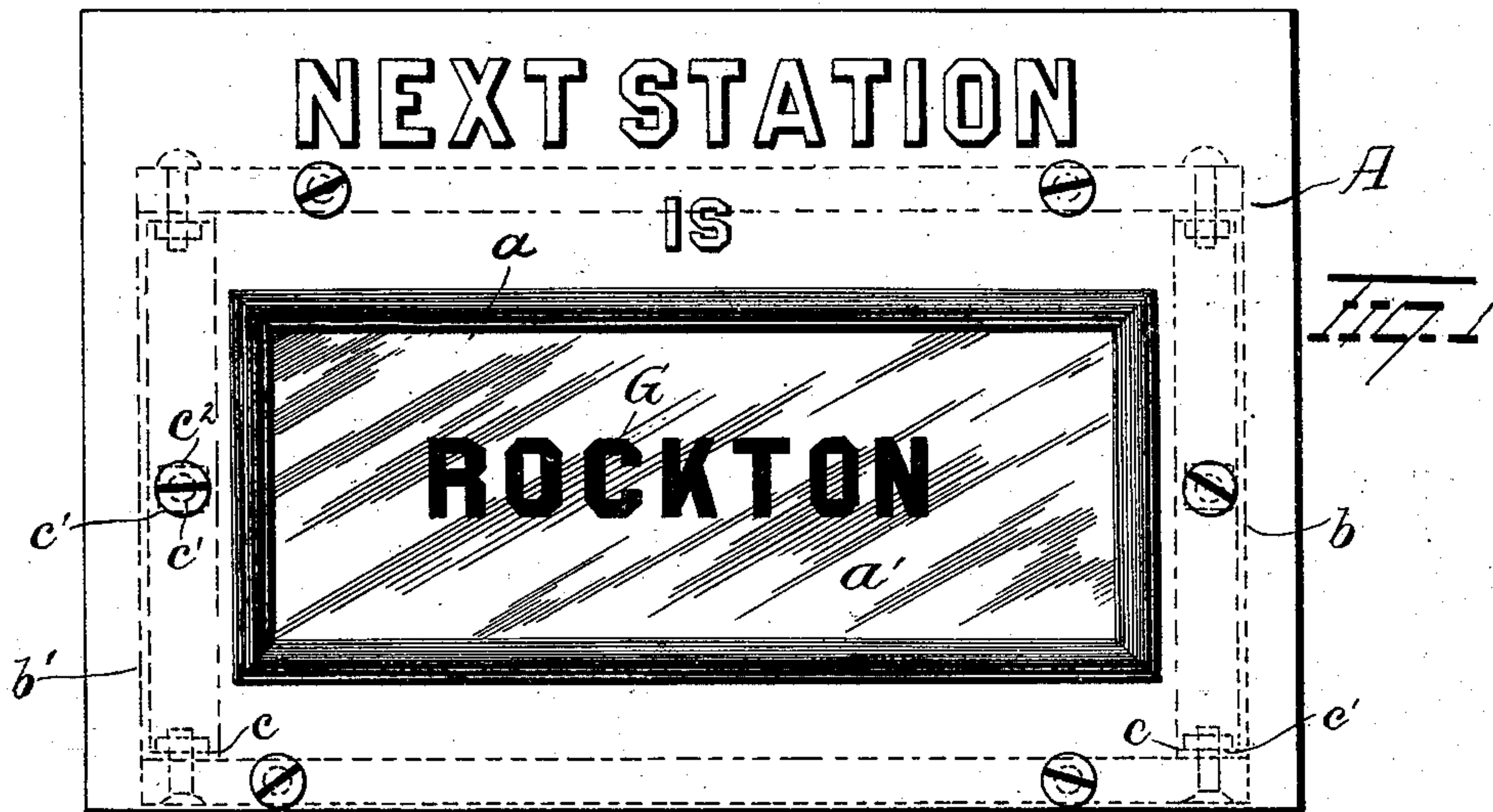


(No Model.)

E. H. BROOKS.  
STATION INDICATOR.

No. 539,910.

Patented May 28, 1895.



Witnesses  
C. J. Nottingham  
G. F. Downing

Inventor  
E. H. Brooks  
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Attorney



# UNITED STATES PATENT OFFICE.

ELYMOS H. BROOKS, OF JANESVILLE, WISCONSIN, ASSIGNOR OF ONE-HALF  
TO FRANK H. BAACK, OF SAME PLACE.

## STATION-INDICATOR.

SPECIFICATION forming part of Letters Patent No. 539,910, dated May 28, 1895.

Application filed March 1, 1895. Serial No. 540,247. (No model.)

*To all whom it may concern:*

Be it known that I, ELYMOS H. BROOKS, a resident of Janesville, in the county of Rock and State of Wisconsin, have invented certain  
5 new and useful Improvements in Station-Indicators; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use  
10 the same.

My invention relates to an improvement in station indicators,—the object of the invention being to produce a station indicator which shall be simple in construction—cheap and  
15 easy to manufacture; easy to manipulate and which shall be effectual, in all respects, in the performance of its functions; and it consists in certain novel features of construction and combinations and arrangements of parts as  
20 hereinafter set forth and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view illustrating my improved station-indicator. Fig. 2 is a longitudinal vertical view.  
25 Fig. 3 is a view in cross-section.

A represents a box or casing having a slot *a* in its front through which the names of stations on a movable canvas (hereinafter explained) can be seen, said slot being closed  
30 by means of a glass *a'*. The sides and top and bottom of the box or casing can be conveniently made of wood, but I prefer to make the ends *b*, *b'* of metal. The edges of each end *b*, *b'*, are made with inwardly projecting  
35 flanges *c* having perforations *c'* for the accommodation of screws *c<sup>2</sup>* passing through the top, bottom and sides respectively of the box or casing, and said screws are provided, within the box or casing, with nuts *c<sup>3</sup>*. Each end *b*,  
40 *b'* is provided with two inwardly projecting annular flanges *d*, *d'*, which constitute bearings for the ends of two rolls or drums *E*, *E'*. The end *b* of the box or casing is also made with holes *e*, *e'*, concentric with the annular  
45 flanges or bearings *d*, and through said holes angular shanks *f* projecting from the respective rolls or drums extend and are intended for the reception of a key *F* whereby to turn said rolls or drums. The shanks *f* will be

protected by means of sleeves *g* projecting 50  
from the end *b* of the casing. The rolls or drums *E*, *E'*, are provided at their ends with flanges *h*, *h'* respectively. On these rolls or drums, a canvas *G*, having the names of various stations or streets provided thereon, is  
55 adapted to wind. From the drum *E* the canvas passes over a roller *I*, mounted in bearings *i* on the ends *b*, *b'* of the casing in close proximity to the front thereof. The canvas then passes over another roller *I'* mounted in  
60 the same manner close to the front of the casing, below the slot therein, and then said canvas is wound on the other roll or drum *E'*. The canvas will thus be made to pass in close  
65 proximity to the glass in the slot *a*.

From the construction and arrangement of parts above described it will be seen that the attendant (driver, conductor or brakeman) can cause the canvas to move in either direction behind the glass *a'* by rotating one or  
70 the other of the rolls or drums *E*, *E'* in the manner above explained, thus indicating to the passengers, the next station to be passed by the car or train.

One of the heads or flanges *h* of the roll or drum *E* is provided with two pins *j*, *j*, disposed at diametrically opposite points. 75

An arm or lever *k* passes through a slot in the top of the box or casing and pivotally supported between its ends therein. One arm  
80 of said lever *k* is normally disposed in the path of the pins *j*, *j*, and the other arm is provided with a double-ended hammer *l* adapted to strike a bell *m* located on the box or casing  
85 *A*, when the lever *k* is moved in one direction or the other by the engagement therewith of the pins *j*. The lever *k* is maintained normally at the center of its throw by means of  
90 two springs *n* secured thereto and extending therefrom in opposite directions, the outer ends of said springs being secured to the box or casing. Thus it will be seen that when  
the rolls *E*, *E'*, are rotated in either direction to change the name of the street or station in the slot *a*, the engagement of the pins *j* with  
95 the lever *k* will cause the bell to be rung and the name of one street or station disappears from the slot *a* and another appears therein.



My improvements are exceedingly simple in construction; can be cheaply manufactured; are easy to be manipulated and are effectual, in all respects, in the performance of their functions.

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

1. In a station indicator, the combination with a box or casing having a slot therein, rolls or drums mounted in said casing, rollers mounted in said casing in proximity to the slot, a canvas having the names of streets or stations produced thereon, said canvas being adapted to be unwound from one roll or drum and wound on the other and passing over said rollers, a bell on the box or casing, a double bell hammer, a lever carrying said hammer, said lever pivoted at or near its center springs connected with said lever, and operating in opposite directions and pins carried by one of said rolls or drums and adapted to strike an end of said lever when the roll or drum is

turned in either direction, whereby to ring the bell, substantially as set forth.

2. In a station indicator, the combination with a box or casing, a bell thereon, rolls or drums mounted in the casing and canvas having names thereon adapted to be wound upon and unwound from said rolls or drums, of pins projecting from one of said rolls or drums, a lever pivoted between its ends in a slot in the casing and one end adapted to be struck by said pins when the roll or drum is turned in either direction, springs connected to opposite sides of said lever and to the casing and a double-ended hammer for the bell, carried by said lever, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ELYMOS H. BROOKS.

Witnesses:

FRANK H. BAACK,  
A. M. CARRIER.