

No. 814,213.

PATENTED MAR. 6, 1906.

S. W. HYDE.
HYMN INDICATOR.
APPLICATION FILED AUG. 29, 1904.

Fig. 1.

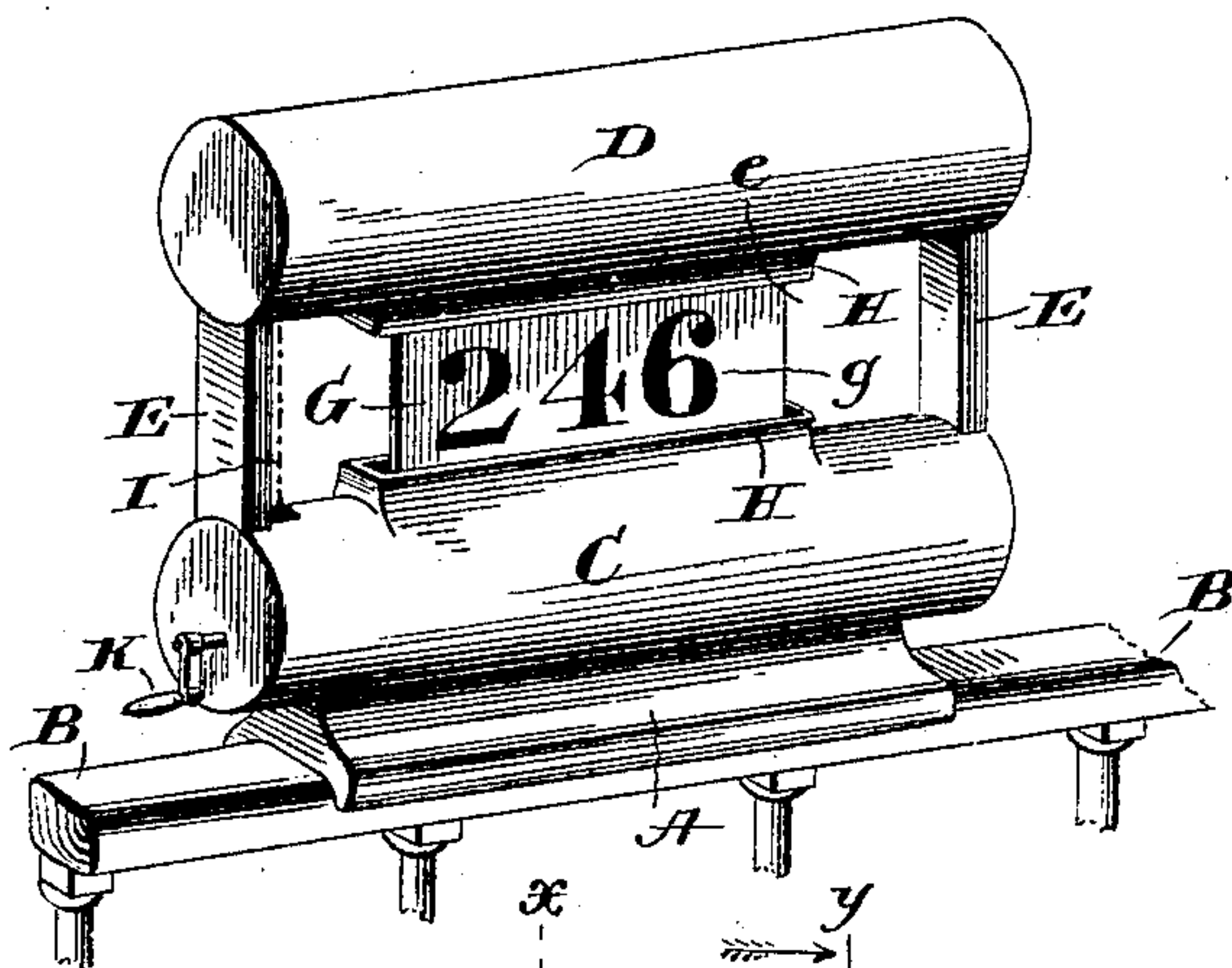


Fig. 2.

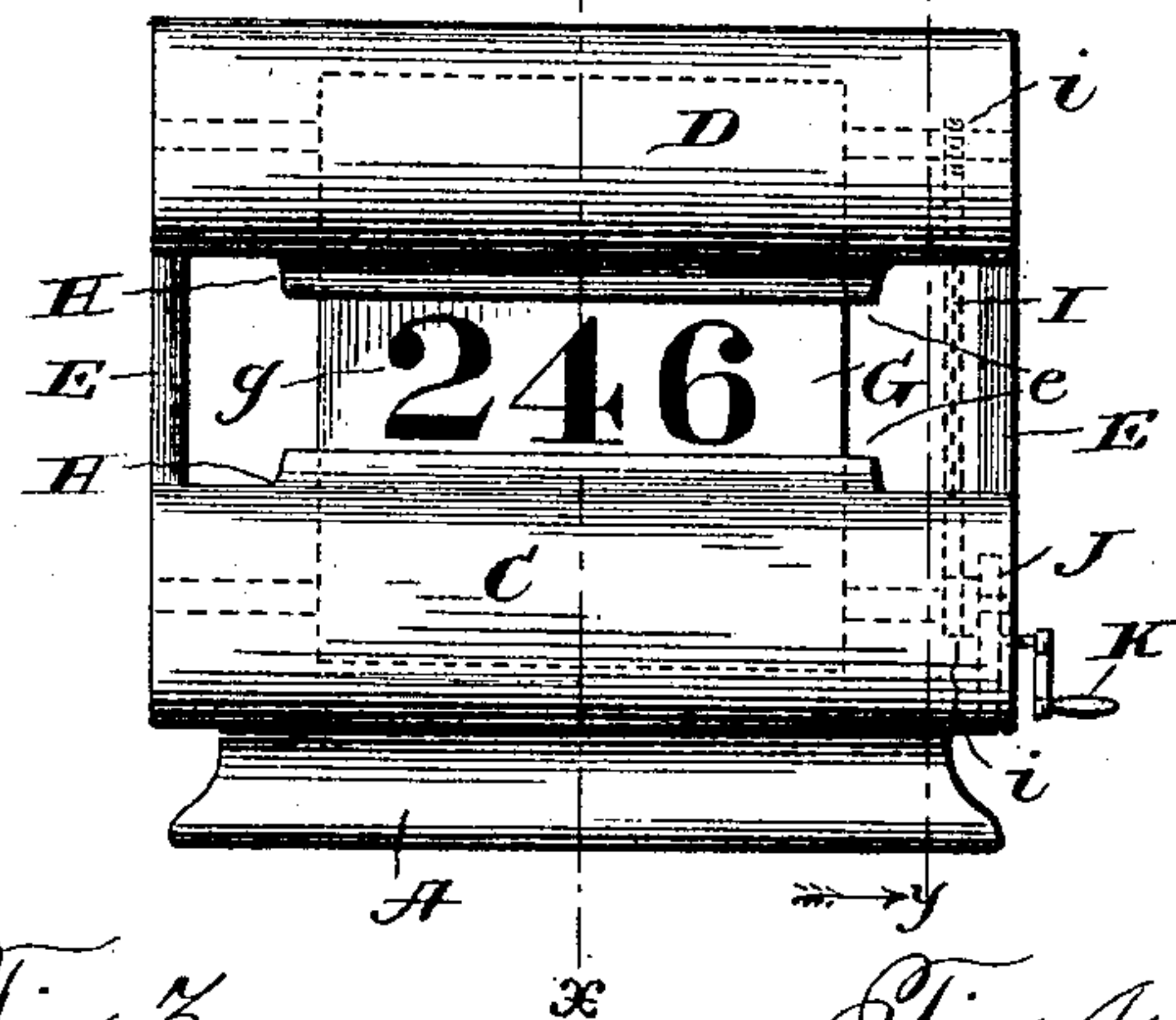


Fig. 3.

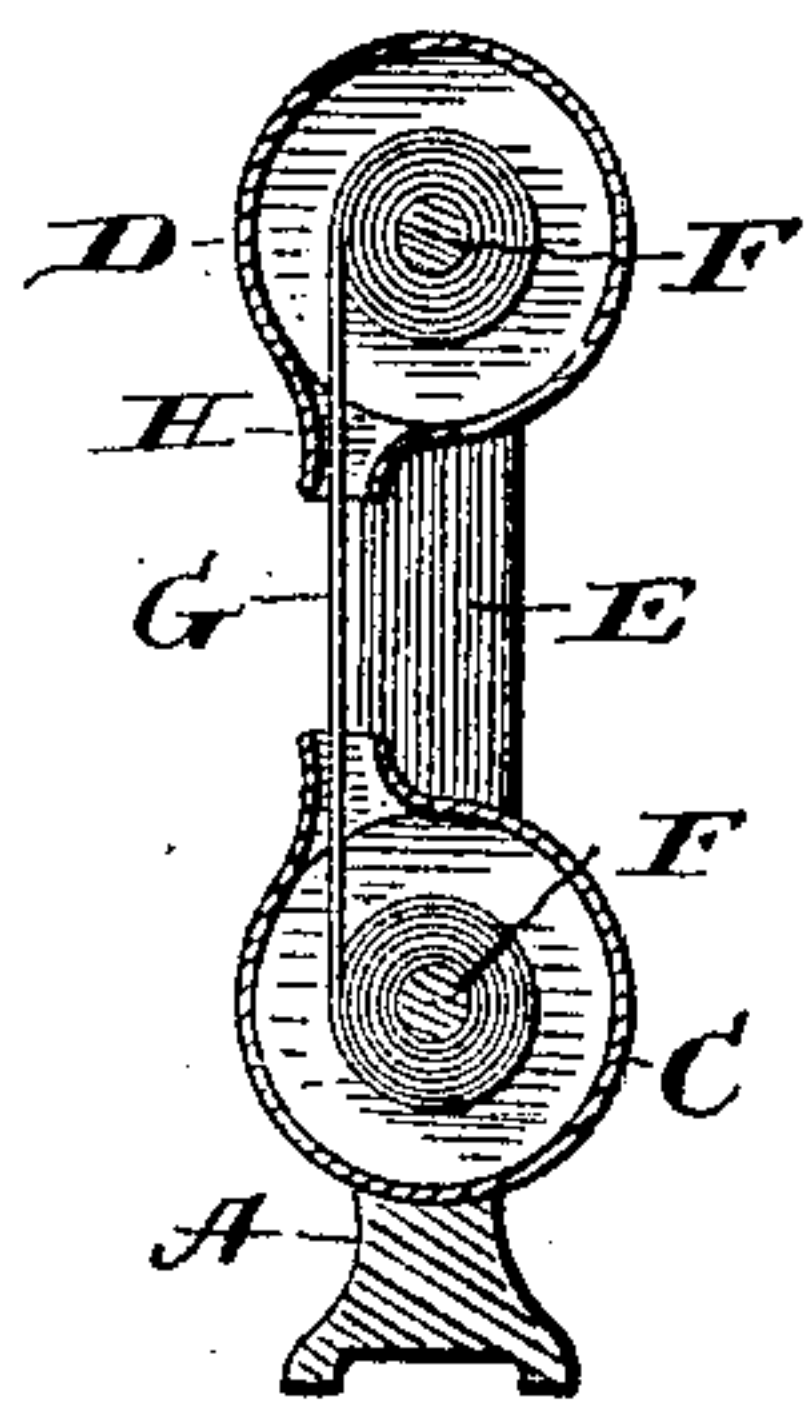
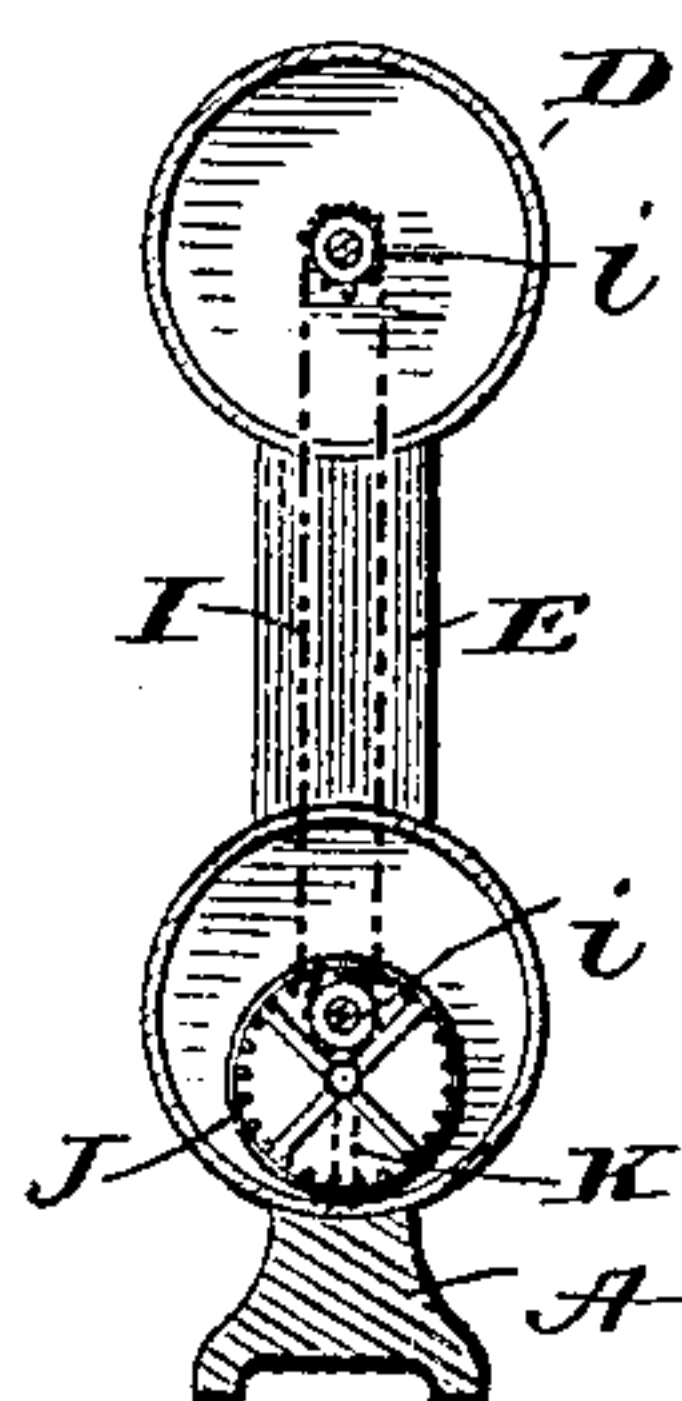


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

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HYMN-INDICATOR.

No. 814,213.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed August 29, 1904. Serial No. 222,577.

To all whom it may concern:

Be it known that I, SAMUEL W. HYDE, a citizen of the United States, residing at Boise, in the county of Caddo and Territory of Oklahoma, have invented certain new and useful Improvements in Hymn-Indicators, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to improvements in hymn-indicators for churches, and has for its primary object the provision of a device of this character so constructed that the desired numbers or the like may be exhibited both in front of the device for the benefit of a congregation and in rear thereof for those occupying the organ or choir loft.

The novel details of the invention will be apparent from the detail description hereinafter given when read in connection with the accompanying drawings, forming part hereof, and wherein a convenient embodiment of the invention is illustrated.

In the drawings, Figure 1 is a perspective view of the device, the same being shown as mounted upon a suitable supporting medium—as, for instance, the railing surrounding a choir-loft. Fig. 2 is a rear elevation, and Figs. 3 and 4 are transverse vertical sectional views respectively on the lines $x x$ and $y y$ of Fig. 2.

Referring more specifically to the drawings, wherein like reference characters refer to corresponding parts in the several views, A represents a suitable base or support of the device, the same being shown as resting upon the railing B, which surrounds the ordinary choir-loft.

C and D represent a pair of separated oppositely-disposed cylindrical casings conveniently arranged in parallel horizontal planes, the cylinder C being secured to the base A, while the cylinder D occupies a position directly above said cylinder C and is fixedly held in place through the medium of the connecting uprights or standards E, arranged between and uniting the cylinder ends.

Rotatably supported within the casings C and D, one in each, are two drums F, to which are secured the ends of a carrier G, the same being in the nature of a flexible strip or web. Numerals or other indicating devices g are provided upon both the front and back surfaces of this strip G, and the function of the drums before referred to is to wind and unwind the strip, as occasion may require, to si-

multaneously display both in front and in rear any desired numeral. In the drawings the number "246" appears on the exposed portion of the strip G in the space e between the casings C and D. To facilitate the shifting of the carrier-strip, the slots in the casing are provided with angularly-disposed funnel-shaped guideways of integral formation of less length than the casings and leading therefrom, and it will be noticed by reference to Fig. 3 that the position of the slots and their adjacent guides in the casings is such that the carrier-strip will have free play and will not rub against any rollers or corners, as is the case in most devices of this character at present. This will prevent the undesirable wear on the carrier-strip and unnecessary rubbing of the characters thereon. The only time that the strip will touch the edges of the guide drums to its fullest extent, and this will be unusual, the ordinary position being that shown in Fig. 3. To effect the shifting, the drums are provided with gear-wheels at one end thereof positioned within the casings and operatively connected by means of a chain I, said gears being represented at i . One of these gears meshes with an internally-toothed wheel J, rotatable by a crank K.

It is to be understood that changes and alterations may be made in the construction herein disclosed without departing from the spirit of the invention as defined by the appended claim.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

In a device of the character described, a supporting-base adapted to be secured to the roll of a choir-loft or like support, a pair of superposed horizontally-disposed cylindrical casings supported on said base in the same vertical plane to leave an unobstructed space therebetween, the adjacent portions of said casings being provided with angularly-disposed funnel-shaped guideways of integral formation of less length than the casings and leading therefrom, shafts journaled within said casings, drums carried by said shafts, a vertical traveling web bearing characters on its opposite sides passing through the guideways extending from the casings and having its ends secured to the drums journaled therein, the open ends of said funnel-shaped guideways being located in a plane parallel to and to one side of the line of center of the drums

and being wide enough to permit lateral movements of the web incident to its winding and unwinding on the drums without contacting with the guideways, sprocket-wheels
5 secured to the shafts within the casings, a chain connecting said sprocket-wheels, a gear-wheel secured to one of said shafts within one of the casings, a gear-wheel journaled on the end of said casing and meshing with said

first-named gear-wheel and provided with an 10 operating-crank projecting without the end of the casing.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL W. HYDE.

Witnesses:

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