(No Model.)

J. P. RHOADS.

RAILROAD TIME INDICATOR.

No. 326,059. Patented Sept. 8, 1885.

Fig. 1.

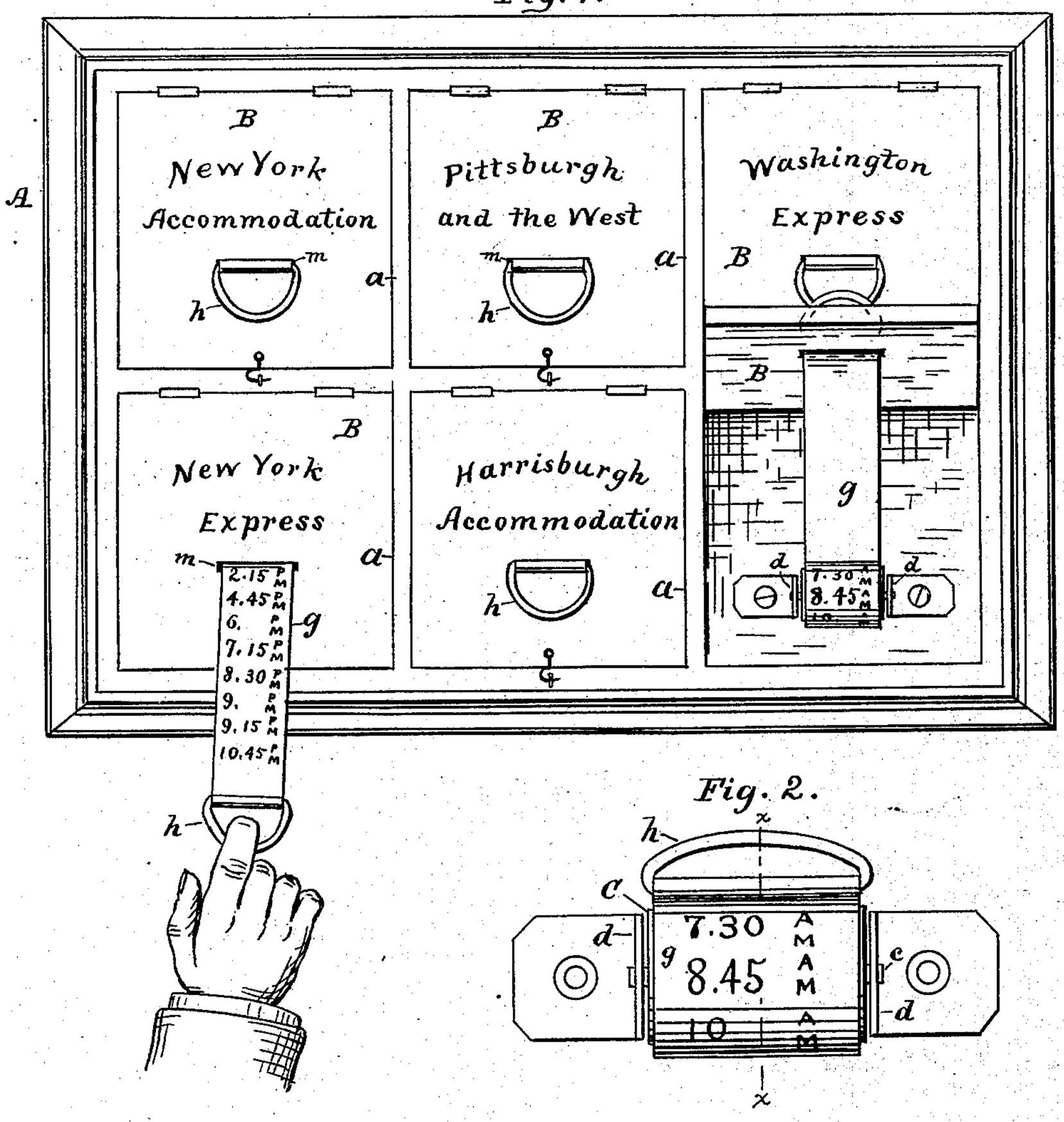


Fig. 2.

Fig. 3.

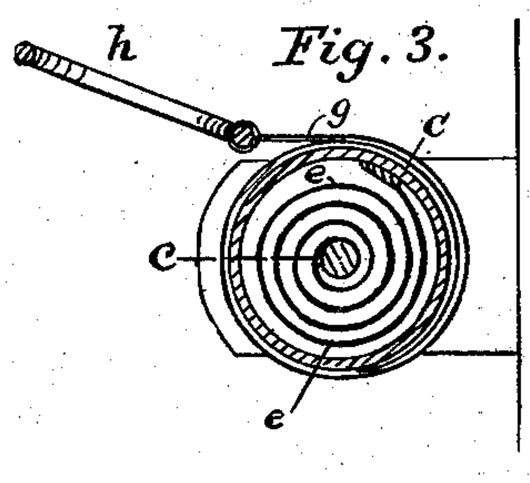


Fig. 4.

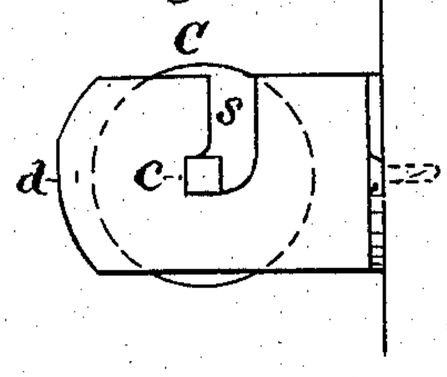
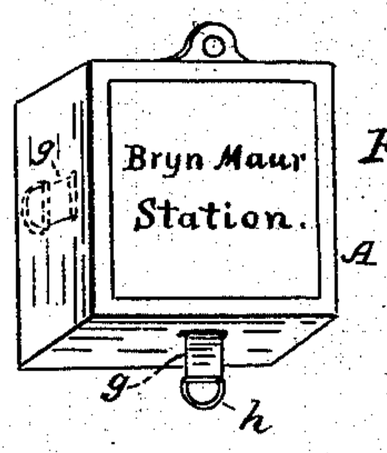


Fig. 5.



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UNITED STATES PATENT OFFICE.

JOHN P. RHOADS, OF PHILADELPHIA, PENNSYLVANIA.

RAILROAD TIME-INDICATOR.

SPECIFICATION forming part of Letters Patent No. 326,059, dated September 8, 1885.

Application filed March 27, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. RHOADS, of the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Time-Indicators for Railway and for other Purposes, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to devices for indicating time, commonly used by railway-companies for informing the public of the time of the departure of trains; and it consists in certain improvements in the construction of such devices, as hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a front elevation of a time-indicator having my improvements and adapted for railway service. Fig. 2 is a front view of the roller or barrel with indicating-band thereon, detached from the case. Fig. 3 is a vertical section taken on line *x x*, Fig. 1. Fig. 4 is an end view of roller or barrel and its support. Fig. 5 represents a modification in the location of the openings for withdrawing the strips from the case.

A designates the casing, constructed to be hung or secured to the wall in any suitable manner, and divided by the partitions *a* into a number of cells or compartments, each of which has a hinged lid, B.

Within each of the compartments is placed a hollow roller or barrel, C, which is mounted on a shaft, *c*, held by the lugs or hangers *d*, fastened to the rear casing. A coiled spring, *e*, is placed about the shaft, within the roller, and one end of said spring is attached to the shaft and the other end to the roller. A strip or band, *g*, of textile or other suitable material, having thereon figures and letters or other indicating-marks, is secured at one end to the barrel C and wound thereon. The outer end of strip *g* is provided with a loop, *h*, forming a handle by which the strip *g* may be drawn forward. The indicating-strip, being wound upon the barrel, passes through a corresponding aperture, *m*, in the lid B, the coiled spring *e* keeping it wound up and drawing the loop *h* close against the face of the lid, as shown, and when a person desires to use the indicator he draws out the strip *g*, thus exposing the indicating-marks. (See Fig. 1.) After viewing the same, he lets go of the loop, and the strip is immediately withdrawn and wound upon the roller by the action of the spring *e* within the roller.

The rolier is shown herein as rotating on shaft *c*, which is made round in section, with its ends squared and resting in corresponding apertures in the hangers *d;* but this construction may be modified, if desired, and the same result produced. One of the hangers *d* is provided with an opening, *s*, extending to the shaft-bearing, so that the shaft and roller may be taken out for any purpose, as desired.

In the application of my device to railway service the trains for different places are usually indicated on the lids of the several compartments, and the times of starting of such trains are marked on the several strips *g*, as shown in Figs. 1, 2, 3, and 4 of the drawings; but it is obvious that the strips could be arranged to be withdrawn from the case through any one of its sides, as well as through the lid, without departing from the spirit of my invention, as shown in Fig. 5.

I claim—

In a time-indicator, a roller or barrel, C, mounted on a shaft and provided with a spring, *e*, and an indicating-strip, *g*, in combination with casing, with a lid, B, having an aperture, *m*, substantially as shown and described.

Witness my signature hereto in the presence of two witnesses.

JOHN P. RHOADS.

Witnesses:

GEORGE K. MONTGOMERY,

A. J. BATON.