

No. 747,936.

PATENTED DEC. 29, 1903.

M. S. CALCUTT.
DIAGRAM BOOK.

APPLICATION FILED JUNE 30, 1902.

NO MODEL.

Fig. 1.

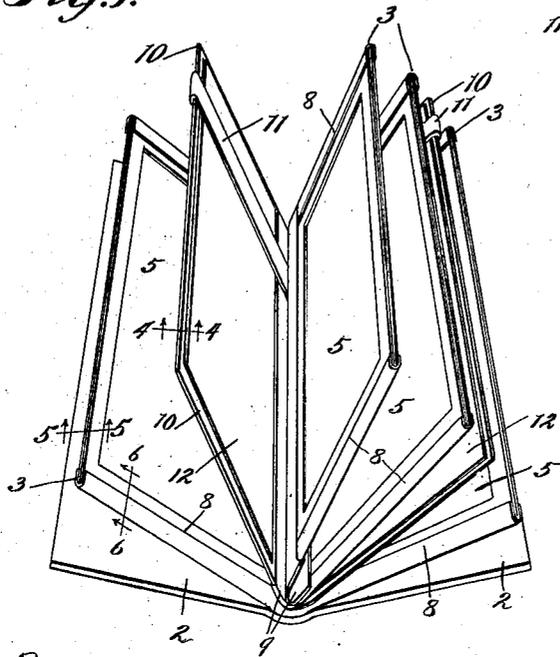


Fig. 3.

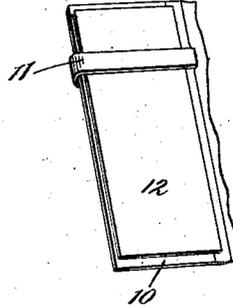


Fig. 2.

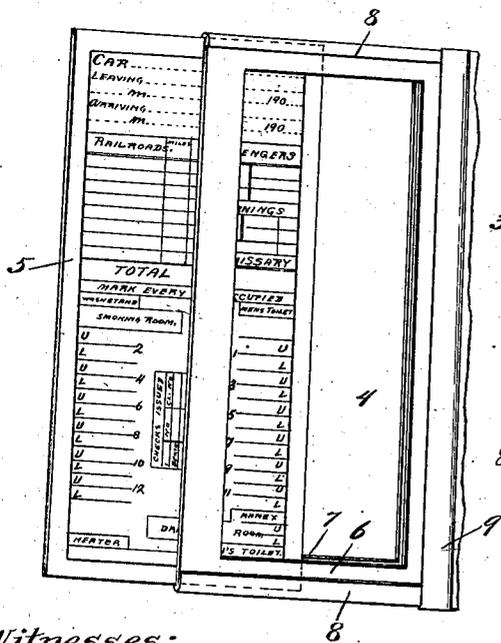


Fig. 4.

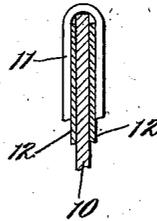


Fig. 5.

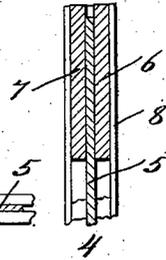


Fig. 6.



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UNITED STATES PATENT OFFICE.

MONTEZUMA S. CALCUTT, OF CHICAGO, ILLINOIS.

DIAGRAM-BOOK.

SPECIFICATION forming part of Letters Patent No. 747,936, dated December 29, 1903.

Application filed June 30, 1902. Serial No. 113,811. (No model.)

To all whom it may concern:

Be it known that I, MONTEZUMA S. CALCUTT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Diagram-Books, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to a diagram-book designed particularly for the use of sleeping-car conductors in keeping their records and reports in convenient and accessible form, whereby diagrams for any number of cars can be handled with ease and without confusion and those for each car can be kept together and separated from the others for handy reference, for checking, and for making entries at any time. Heretofore such diagrams have been carried in a common folder, having, perhaps, a rubber band across the inside of each cover, under which the diagrams were promiscuously slipped; but such devices were unhandy and unwieldy and otherwise objectionable. Every time it was desired to inspect a diagram for any purpose it was necessary to search through the pack to find the same, unless it happened to be the top one, and then pull it out and place it on top. There are usually two diagrams furnished the conductor for each car, one known as the "office-diagram" and bearing entries of the sales made at the office and the other containing blanks to be filled out by the conductor *en route*. It is often necessary to compare these diagrams even in the greatest rush of business, and under the old scheme, as pointed out, this was attended with greatest difficulty and confusion. It is, moreover, necessary for the conductor to make entries upon both sides of his blank, which was also troublesome under the old plan. It is the practice also for conductors to use working diagrams, which are used for making notations and memoranda.

My invention contemplates a diagram-holder in book form, and which may be aptly termed a "diagram-book," in which a plurality of leaves are provided, as many as desired, some of the leaves being formed to conveniently receive and hold the conductor's

diagram so that it may be readily turned over with and as a leaf of the book to permit making the necessary entries upon either side thereof, and an adjacent leaf is provided with means to hold the corresponding office-diagram, whereby the two diagrams are together and in handy relation for convenient reference. My invention further contemplates arranging these leaves in sets of three each, one of the leaves carrying the office-diagrams between two of the other leaves carrying the conductor's diagrams, and providing said first leaf with an elastic band passing upon both sides of the same, whereby an office-diagram, the tickets collected for that car, and the conductor's working diagram may be strapped to each face of the same and the corresponding conductor's diagram may be carried in the leaf opposite.

My invention further contemplates the matters hereinafter described, and particularly pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of a diagram-book of my invention. Fig. 2 is a detail perspective view showing the manner in which I prefer to construct the leaves to receive the conductor's diagram. Fig. 3 is a like view showing the leaf used for the office-diagrams. Fig. 4 is a detail section on the line 4 4, Fig. 1. Fig. 5 is a similar view on line 5 5 of Fig. 1, and Fig. 6 is also a detail section on line 6 6 of Fig. 1.

Like numerals refer to like parts throughout the several views.

The book is shown as a whole in Fig. 1, in which the cover 2 may be of any ordinary and preferably inflexible material to provide a stiff writing-pad or backing for the outer leaves. The leaf 3, as shown more clearly in Fig. 2, consists of a frame 4, into which the diagram 5 may be slipped from the edge, as shown, whereby when the diagram is in place it is held at the edges and may be written upon or examined on either side by merely turning the leaf over like the leaf of an ordinary book. This leaf is designed to receive the conductor's diagram, for the particular reason that it is necessary for him to frequently reverse the same and make entries upon both sides thereof, and while I show one particular form in the drawings I do not wish to limit myself in all respects thereto, as other

forms of leaves or leaflets may be provided to accomplish the same or similar result. The leaf 3 here shown is formed by cutting out the centers of two sheets 6 and 7 of the desired material and then suitably binding their upper, lower, and inner edges together, as by the fabric strips 8 and 9. The outer edges are thus left free and open, whereby the diagram-slip 5 may be readily slipped in between the sheets 6 and 7 and be securely held thereby and at the same time permit entries to be conveniently made on either side. Figs. 5 and 6 show these parts in section and on an exaggerated scale, the diagram-slip 5 being in each case in the position in which it is carried in the book.

The leaf 10 for the office-diagram consists, preferably, of the solid sheet, (shown in Fig. 3.) that is preferably of comparatively stiff material and which is provided near its upper end with an elastic band 11, this band passing in the preferred form around the sheet and across both faces thereof, as shown in Fig. 4. A suitable aperture is preferably provided therefor at the inner edges of the sheet. This leaf 10, as indicated in Fig. 1, is placed between two of the open leaves 3, and the office-diagram 12 is placed under the band on that side of the leaf 10 opposite the leaf 3, carrying the corresponding conductor's diagram 5. With this arrangement of the leaves the diagrams of each car are kept separate and from the others and together, so that all confusion is avoided. Because of the handy reference to the office-diagram, mistakes such as duplicate sales and others are immediately detected. These leaves are bound in the cover in any desired or usual way, and when the diagrams are in place the book does not bulge, as in the case of the old-style folder. As many sets of leaves as desired may be employed, so that any number of cars can be accommodated. The elastic band 11 acts also as a holder for the tickets of each car during collection, thus saving the trouble of later assorting them, as is necessary where, as is usual, the tickets of all the cars are all jammed together in the conductor's pocket.

It will thus be seen that I have provided a device in which the conductor's diagrams can be placed in position very rapidly and in which either side of the diagram can be readily referred to or items entered thereon without having to pull it out of the holder or out of a bunch of other slips and papers. The holder is, moreover, inexpensive, substantial, and may be used for a long time without wearing out. It will be further understood that while I have described my invention for sleeping-car conductors' use it is capable of being employed in many other relations and for many purposes. It is also apparent that various changes may be made in the detailed construction without departing from the principle of the invention, and I therefore do not wish to be confined in all respects to those details so precisely shown and described; but

What I do claim, and desire to secure by Letters Patent, is—

1. A diagram-book for sleeping-car conductors having a plurality of long narrow leaves bound together along one of the long edges, some of said leaves being formed from two adjacent sheets having their central portions cut away and the remaining edge portions forming a frame, said adjacent sheets being bound together at their ends and being left open at their free edges, a conductor's diagram for a sleeping-car of the same form as the said leaves adapted to be slipped into said frames to permit the same to be readily turned so as to expose either face to permit the making of entries thereon and for inspection, the number of such leaves being less than the number of leaves of the book, and means for securing other slips of substantially the same size as the conductor's diagrams to the two faces of the said remaining leaves, substantially as described.

2. In a diagram-book for sleeping-car conductors, the combination with an open leaf arranged to receive the conductor's diagram of the car and consisting substantially of a frame by which the diagram is held only at the edges to permit it to be turned to expose either face for the making of entries and for inspection and comparison with the corresponding office-diagram, of an adjacent full leaf having an elastic band extending across the face thereof toward the open leaf to receive the said office-diagram corresponding to the conductor's diagram in the open leaf together with the tickets collected for that car, substantially as described.

3. A diagram-book for sleeping-car conductors, comprising a special leaf upon which two office-diagrams of sleeping-cars may be readily placed and carried, means for holding said diagrams in position on said leaf and an open leaf upon each side of the said special leaf into which the conductor's diagram corresponding to the adjacent office-diagram may be readily slipped and carried and by which it is held at the edges so as to be readily turned to expose either face for the entry of items and for inspection and comparison with the said adjacent office-diagram, substantially as described.

4. In a diagram-book for sleeping-car conductors, the combination with a plurality of sets of leaves, each set having a special leaf provided with an elastic band passing across the two faces of the same and secured at the inner edge of the leaf, whereby an office-diagram of a car together with the tickets collected for that car may be slipped under the band and carried upon each face of the same, of an open leaf differing from said special leaf placed opposite each face of the first-named leaf, said open leaves being adapted to receive and hold the conductor's diagrams corresponding to the adjacent office-diagrams whereby the conductor's diagrams may be readily and conveniently inspected

or written upon both sides and compared with the proper office-diagrams, substantially as described.

5 In a diagram-book for sleeping-car con-
 ductors, the combination with a plurality of
 sets of leaves, each set consisting of a plain
 leaf provided with an elastic band passing
 across the two faces thereof and secured at its
 10 inner end to the edge of the leaf, and an open
 leaf opposite each face of the first-named leaf,
 said open leaves having their central por-
 tions cut away and the edge portions forming
 a frame, the two faces of said frame being
 separated and bound together at their upper
 15 and lower ends but left open at the side edge,
 said open leaves being adapted to receive a
 conductor's diagram and which is readily
 slipped into the frame and held thereby at
 its edges, said plain leaves being adapted to
 20 receive the office-diagrams which are secured
 by said elastic band one to each face of said
 plain leaves, the conductor's diagram in an
 open leaf and the office-diagram upon the ad-
 jacent face of the plain leaf belonging to the
 25 same car, whereby both faces of the conduc-
 tor's diagram may be readily compared with

the corresponding office-diagram and entries
 readily made thereupon, and said elastic
 band serving the further function of receiv-
 ing and holding the tickets collected for the
 30 car corresponding to the office-diagram, sub-
 stantially as described.

6. A diagram-book for sleeping-car con-
 ductors comprising an open leaf into which a
 conductor's diagram may be readily slipped
 35 and carried and by which it is held at its edges
 so as to expose its face for entry of items, a
 support for an office-diagram opposite the
 conductor's diagram having suitable means
 associated therewith for detachably holding
 40 said office-diagram in position thereon,
 whereby the entries made on said diagrams
 may be readily compared with and entered
 from those of the other diagrams, substan-
 tially as described.

In witness whereof I have hereunto sub-
 45 scribed my name in the presence of two wit-
 nesses.

MONTEZUMA S. CALCUTT.

Witnesses:

ROBERT LEWIS AMES,
 M. R. ROCHFORD.