June 18, 1929. E. I. ANDERSON 1,717,954

ROAD MAP HOLDER

Filed April 25, 1928

Fig. 1.

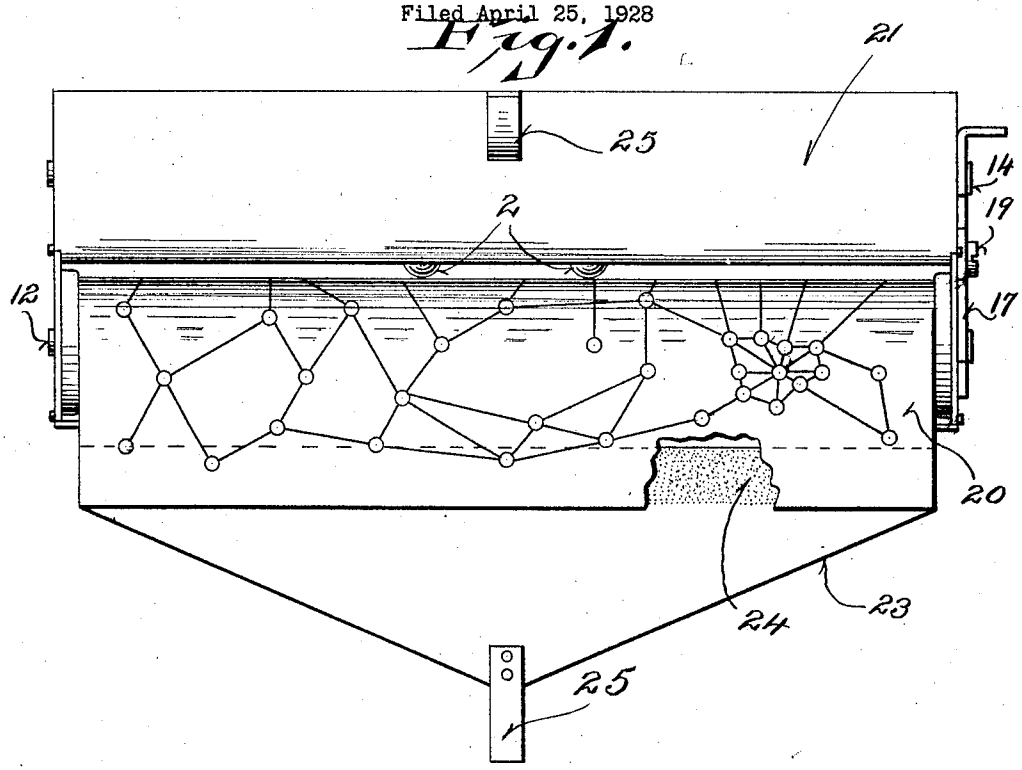



Fig. 2.

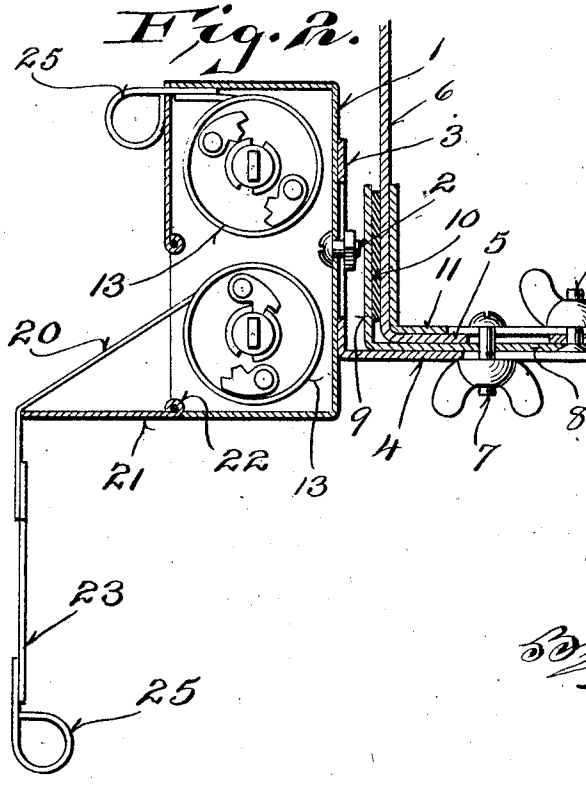
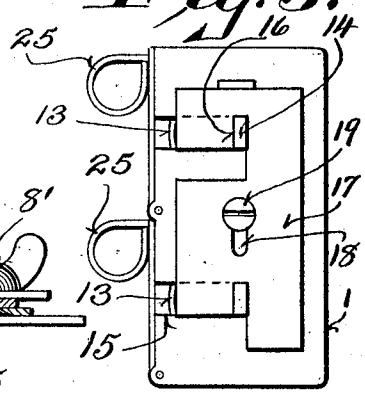



Fig. 3.




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# UNITED STATES PATENT OFFICE.

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## ROAD-MAP HOLDER.

Application filed April 25, 1928. Serial No. 272,758.

This invention relates to road map holders.

Objects of this invention are to provide a road map holder, which is so constructed that it is easily attached to the instrument board of an automobile, and which is provided with spring-urged rolls, which may be locked at any desired point, and which carry the maps.

Further objects are to provide a road map holder in which the maps are carried by rollers and are guided over swinging flaps or doors which are normally closed in an automatic manner by the retraction of the map, and which, when the map is withdrawn, are opened out and thus provide a support for the map so that it may be easily viewed.

Further objects are to provide a novel form of locking means for the trunnions of the spring-operated rolls so that a plurality of rolls may be locked in place simultaneously and may be easily released when required.

An embodiment of the invention is shown in the accompanying drawings, in which:

Figure 1 is a front view of the device, with one of the maps partly pulled out and with a portion broken away.

Figure 2 is a transverse, sectional view.

Figure 3 is an end view of the device.

Referring to the drawing, it will be seen that the device comprises a casing 1 which is equipped with a bolt 2 at its rear by means of which it is adjustably attached to the slotted upright portion 3 of a bracket, the horizontal portion 4 of the bracket extending beneath the inwardly turned portion 5 of the instrument board 6. The horizontal portion 4 of the bracket is slotted and receives the wing bolt 7, which also passes through the horizontal portion 8 of a second bracket, the vertical portion of which, indicated by the reference character 9, is preferably provided with a yielding pad 10 bearing against the front face of the instrument board. A third bracket 11 is also provided with a slotted horizontal portion and cooperates with the wing bolt 7 and also with the wing bolt 8'. By the means described, the casing 1 is rigidly and adjustably held to the instrument board 6.

This casing is provided with end walls, one of which is equipped with apertures for the reception of round trunnions 12 of the spring operated rolls 13. The rectangular trunnions 14 of these rolls are received through horizontal slots 15 in the outer end wall and are locked in place within the slots 16 of a slidable plate 17. The plate 17 is further provided with a slot 18 which receives the locking screw 19. Thus it is obviously very easy to change the rolls as required, by merely loosening the screw 19 and sliding the plate 17 upwardly. This frees the rectangular trunnions 14 and permits the ready removal or replacement of the rolls.

From Figure 2 it will be seen that each of these rolls may be locked at any desired point and may be readily unlocked in the same manner as an ordinary shade roll, so that the maps, as indicated by the reference character 20, may be easily retracted or held in position.

Each of the maps is trained over or passes over a hingedly mounted door 21. These doors are so arranged that they may extend at rightangles to the casing 1, or may be swung vertically into the position shown in the upper portion of Figure 2. The doors are pivoted at their lower edges, as indicated by the reference character 22, and swing outwardly, presenting a slantingly extended portion of the map for inspection by the user.

The device comprises triangular end tabs 23, which are glued or otherwise secured, as indicated at 24 in Figure 1, to the front edge of the maps. Each of these triangular end tabs is provided with a looped handle 25.

In using the device, when a map is withdrawn, as shown in the lower portion of Figure 2, the corresponding door is rocked outwardly. After the map has been used, it is allowed to rewind upon the roll and while rewinding at the finish of the travel of the map the looped handle 25 engages the end of the door and closes it. The door is then held closed by the spring action of the roll.

It will be seen that a novel form of road map holder has been provided by this invention, which is easy to operate, which may be readily positioned upon an automobile instrument board, or any other suitable support, and which is provided with doors adapted to be extended automatically when the map is withdrawn to hold a portion of the map exposed and adapted to be automatically closed by the retracted map and held in a closed position by means of the tension transmitted from the spring holder to the map.

Although the invention has been described in considerable detail, such description is in-

tended as illustrative rather than limiting as the invention may be variously embodied and as the scope of such invention is to be determined as claimed.

I claim:—

1. A device of the class described, including a casing, an adjusting bolt carried thereby, an angular supporting bracket having one of its arms cooperating with the bolt, a supporting element having a horizontal flange, a pair of angular brackets, one disposed upon each side of the supporting element, a yieldable pad disposed between the supporting element and the vertical portion of one of the pair of brackets, means adjustably connecting the ends of the horizontal portions of the pair of brackets, and means adjustably connecting the horizontal portions of all of said brackets.

2. In a device of the class described, a casing, a supporting bolt carried thereby, a horizontal bracket having its vertical portion slotted to receive the bolt and its horizontal portion slotted inwardly from the outer end, an angular supporting member, a pair of angular brackets arranged on opposite sides of the supporting member, a yieldable pad disposed between the vertical portion of one of the pair of angular brackets and the vertical portion of the supporting member, means adjustably connecting the horizontal portions of the pair of brackets, a clamping bolt passed through one of the horizontal portions of the pair of brackets and having adjustable connection with the horizontal portion of the other bracket of the pair, and having adjustable connection with the horizontal portion of the first bracket.

3. In a device of the class described, a casing having spaced slots formed in one of the end walls, movable rollers supported in the casing and having rectangular trunnions at one end adapted to be passed into the slots, a locking plate having horizontal cut-away portions at one edge for receiving said trunnions and having longitudinal slots at the inner ends of the cut-away portions for receiving said trunnions, and means for locking the plate against relative movement with respect to the casing.

In testimony that I claim the foregoing I have hereunto set my hand at Sheboygan, in the county of Sheboygan and State of Wisconsin.

EDWARD I. ANDERSON.