T. HANIGSMAN.

MAP HOLDER.

APPLICATION FILED SEPT. 28, 1917.

1,283,165. Patented Oct. 29, 1918.

Fig. 1.

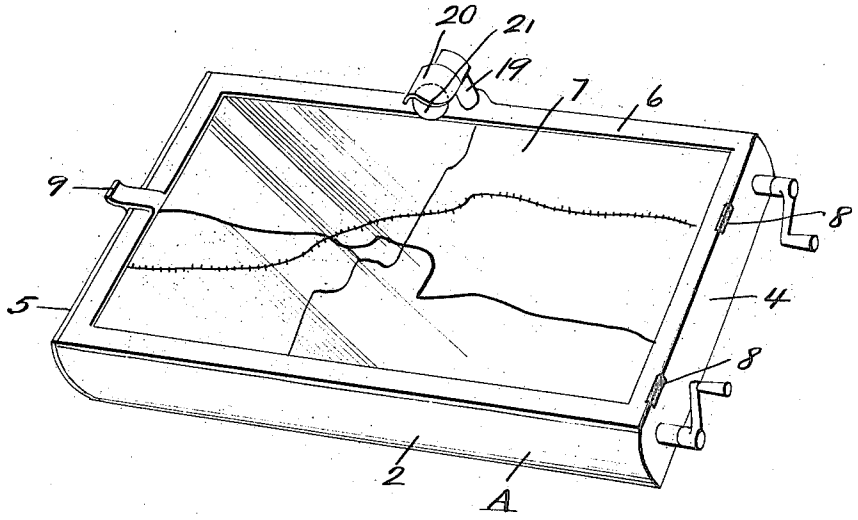


Fig. 2.

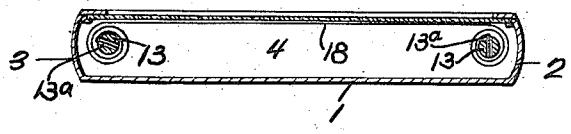
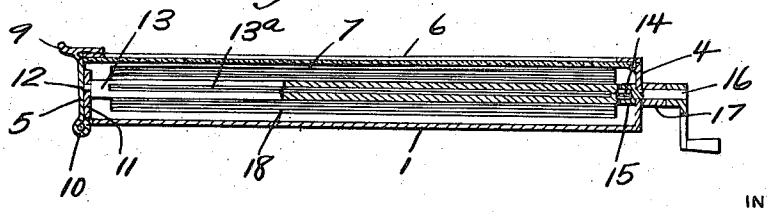


Fig. 3.



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UNITED STATES PATENT OFFICE.

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MAP-HOLDER.

1,283,165. Specification of Letters Patent. Patented Oct. 29, 1918.

Application filed September 28, 1917. Serial No. 193,771.

To all whom it may concern:

Be it known that I, TONY HANIGSMAN, a citizen of the United States, residing at Hood River, in the county of Hood River and State of Oregon, have invented certain new and useful Improvements in Map-Holders, of which the following is a specification.

This invention relates to map holders, and more particularly to means especially adapted for holding maps for automobilists.

One of the main objects of the invention is to provide a device of the character stated of simple construction, which may be produced at comparatively small cost. A further object is to provide a device comprising, broadly stated, a casing having a hinged cover provided with a transparent closure for permitting a map mounted within the casing to be easily observed by the driver of an automobile. A further object is to provide a pair of spaced rotatably mounted spools within the casing, these spools being adapted to receive and operate a map wound on the same. A still further object is to so construct the casing as to permit the spools and the map to be readily inserted or removed, as desired. Still another object is to provide simple and efficient means for securing the casing in closed position, after the map and the spools for supporting the same have been inserted and properly secured in position. Further objects will appear from the detailed description.

In the drawings:—

Figure 1 is a perspective top plan view of a map holding device constructed in accordance with my invention.

Fig. 2 is a transverse sectional view taken near one end of the casing.

Fig. 3 is a longitudinal vertical sectional view taken near one side of the casing, through one of the map supporting spools.

The box-like casing A is provided with the bottom 1, side walls 2 and 3, and end walls 4 and 5. A cover 6 provided with a glass panel 7 secured therein is hingedly secured at one end, as at 8, to the upper edge of the end wall 4. This cover is provided at the other end with a central spring catch 9 which engages in a suitable recess formed at the upper edge of end wall 5 so as to secure the cover in closed position. The casing may be stamped from sheet metal so as to provide a comparatively light but strong structure of neat appearance which may be produced at small cost. This casing is well adapted to contain a map and a pair of operating rollers therefor.

The end wall 5 of casing A is hingedly secured at its lower edge to the edge of bottom 1, as at 10. By this means, when the cover 9 is released so as to be raised the end wall 5 is also released so as to swing outward away from the side walls of the body of the casing. This end wall is provided, on its inner face and adjacent each end thereof, with a piece 11 of sheet metal which is provided with a suitable opening adapted to receive a trunnion 12 formed integral with the spool 13 at one end thereof. Spool 13 is provided, at its other end, with a square portion 14 which fits snugly in a corresponding socket formed in head 15 integral with a crank shaft 16 which is rotatably mounted in end wall 4 of the casing. This crank is secured against axial movement by a limiting collar 17 secured about the same closely adjacent the outer face of end wall 4. The head 15 and collar 17 are in close contact with the inner and outer faces, respectively, of end wall 4, and the crank fits snugly in the end wall, the collar 17 and head 15 providing frictional means for securing the crank, and consequently the spool 13 in rotary adjustment. In practice, I provide two of these spools one adjacent each side of the casing and extending substantially the full interior length thereof. Each of the spools is provided with an axially extending slot 13^a which is adapted to receive the end portion of a strip 18 of suitable material which constitutes the body of the map. By rotating the spools the strip of material may be quickly and easily moved in either direction desired, as will be obvious. When it is desired to insert a new map, or remove the map from within the casing, this may be readily done by lifting the cover 6 after disengaging spring catch 9 from end piece 5. When the cover is thus raised, the map and the spools are rendered easily accessible, and the end piece 5 may be readily swung outward from the body of the casing thus permitting easy removal of the spools and the map carried thereby. By mounting the spool 13 in this manner so as to be supported by the end piece 5 and the crank shaft 16, I produce a very simple structure

permitting easy removal or insertion of the spool, the means for supporting the spool at the end thereof remote from the end piece 5 serving also to rotate the spool and to secure it in rotatory adjustment. A device thus constructed may be produced at very small cost and is composed of a minimum of parts thus reducing the likelihood of disarrangement or breakage to a minimum.

For convenience when driving at night, I provide a lamp socket 19 at the center of one side of cover 6. Socket 19 is provided with a hood 20 above the lamp 21, this hood serving to reflect the light rays downward onto the transparent closure 7 of cover 6. This socket may be connected to the lighting system of the automobile in the well known manner. The casing A may be secured on the steering standard of the automobile by any suitable means or, if preferred, may be mounted on the instrument board. It will be evident that there may be slight changes made in the construction and arrangement of the various parts of my invention without departing from the field and scope of the same, and I intend to include all such variations, as fall within the scope of the appended claim, in this application in which a preferred form only of my invention is disclosed.

What I claim is:—

In map holding means, a casing comprising a body and a cover hingedly secured thereto at one edge, provided with a transparent closure, one end wall of said body being hinged at its lower edge to the bottom of the body so as to permit the same to be swung toward and away from said body, spools rotatably mounted within the body of the casing adjacent each side thereof, one end of said spools being rotatably supported by the hinged end of the body, and means for rotating said spools.

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

TONY HANIGSMAN.

Witnesses:

A. J. DERBY,

THOS. T. JOHNSON.