April 23, 1929. S. TASCARELLA 1,710,555

MAP HOLDER

Filed Oct. 5, 1928

FIG. 1

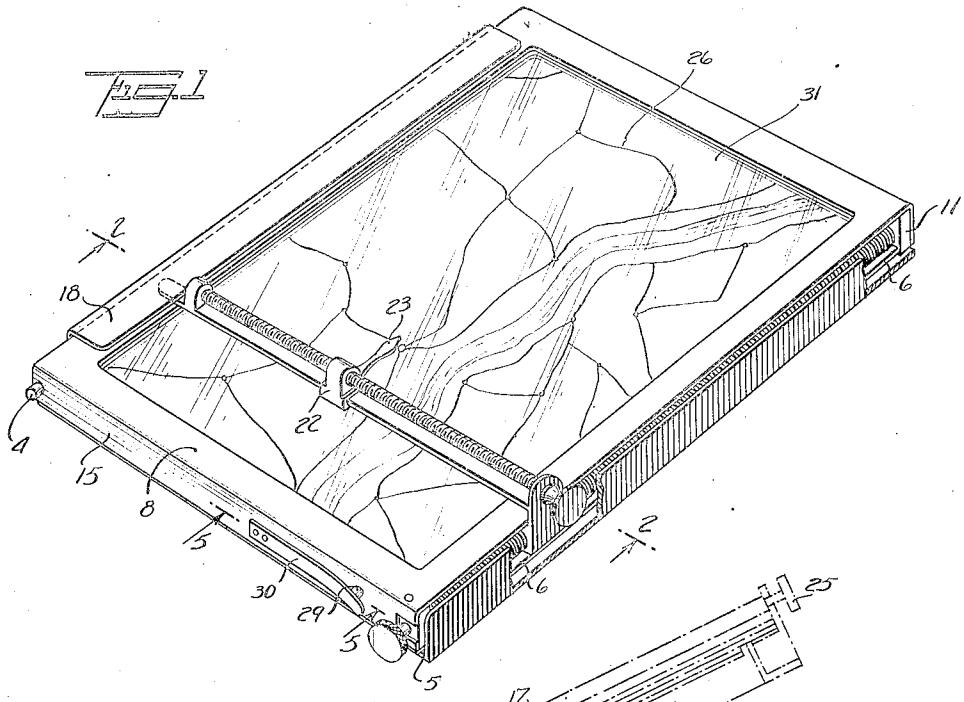


FIG. 2

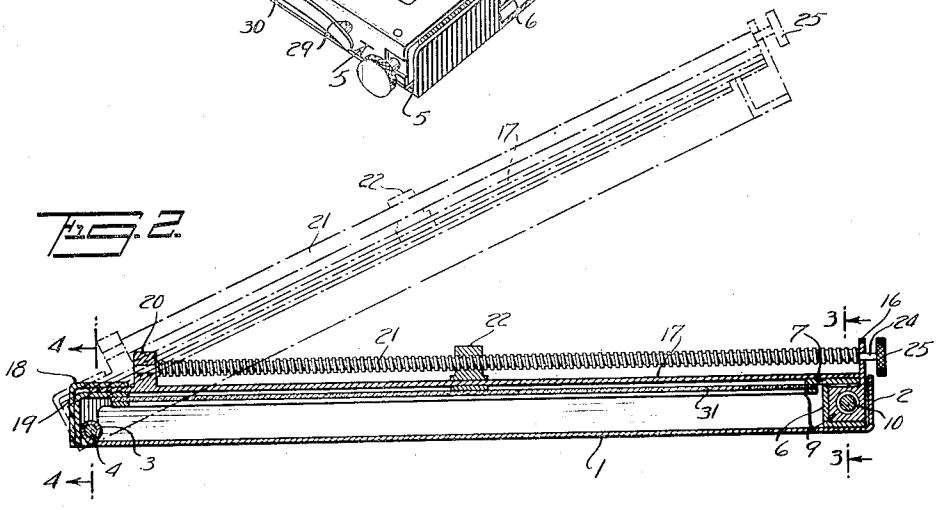


FIG. 3

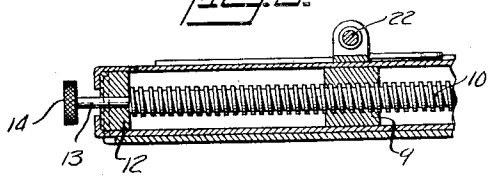


FIG. 4

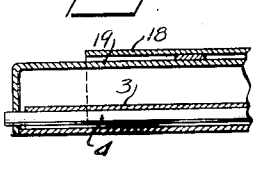
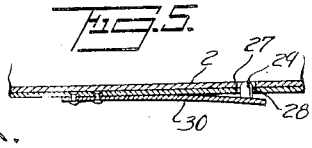


FIG. 5



WITNESSES

D. Scavuzzo

A. L. Ritchin.

INVENTOR

Salvatore Tascarella

BY Munn & Co.

ATTORNEY

Patented Apr. 23, 1929. 1,710,555

UNITED STATES PATENT OFFICE.

SALVATORE TASCARELLA, OF BROOKLYN, NEW YORK.

MAP HOLDER.

Application filed October 5, 1928. Serial No. 310,598.

This invention relates to map holders, and has for an object to provide an improved construction wherein a container is formed with at least one transparent face, the arrangement being such that the container may be readily opened for the reception of a single sheet map or folded map of many parts with the desired portion exposed through the transparent face.

Another object of the invention is to provide a map holder wherein a map is held adjacent a transparent covering member and is associated with a pointer having manually actuated means connected thereto for shifting the same from one point to another over the map.

A still further object is to provide a holder for maps wherein a pointer is used together with a pair of screw members for manual operation, the screw members being so associated that the pointer may be moved longitudinally and transversely of the holder to indicate any desired point on the map carried by the holder.

In the accompanying drawing,—

Figure 1 is a perspective view of the holder disclosing an embodiment of the invention, the same being in position for use;

Figure 2 is a transverse sectional view through Figure 1 on the line 2—2, the same being on an enlarged scale;

Figure 3 is a fragmentary sectional view through Figure 2 on the line 3—3;

Figure 4 is a fragmentary sectional view through Figure 2 on the line 4—4;

Figure 5 is a detail fragmentary sectional view through Figure 1 on the line 5—5.

Referring to the accompanying drawing by numerals, 1 indicates a bottom plate provided with upstanding walls 2 which with the bottom form a container or pan. At what may be termed the rear the wall 2 is coiled to form a hinge knuckle or barrel 3 through which the pintle 4 extends. At what may be termed the front there is provided a notch 5 at each end of the holder adapted to accommodate the angle bar 6, which, with the plate 7 forming part of the frame 8, presents a channel in which the traveling nut 9 is positioned. The traveling nut 9 is mounted on the screw 10 which is journaled in the block 11 at one end of the frame and journaled in a second block 12 at the opposite end of the frame. Shaft 13 extends through block 12 and has a thumb member or wheel 14 rigidly secured thereto. The frame 8 is provided with a depending flange 15 on the back and both ends but not on the front, as space must be provided between the front wall 2 and the frame in order to accommodate the projection 16 extending from the traveling nut 9. An arm 17 is rigidly secured to the projection 16, said arm extending beneath the guiding plate 18, which plate is formed with a turned-down rear portion 19 riveted or otherwise rigidly secured to the rear flange 15 of frame 8. It will be noted that the pintle 4 extends through the end flanges 15 and through the barrel 3, whereby frame 8 may be swung back and forth, as desired. Arm 17 is provided with an apertured lug 20 in which is rotatably mounted an extension of screw 21, which screw carries a traveling nut 22 having a pointer 23. At what is termed the front edge of the frame, screw 21 is provided with a reduced extension 24 rotatably mounted in the projection 16, so that the thumb member 25 may be secured thereto exteriorly of the projection 16. In this way by rotating the thumb member 14 nut 9 may be moved back and forth and it will carry the pointer 23 toward either end of the frame. To move pointer 23 laterally of the frame thumb member 25 is actuated. In this way the pointer 23 may be moved in any desired direction and caused to indicate any desired point on the map 26 carried by the holder. Preferably a comparatively large map is used and folded so that only a portion will be exposed. This device is particularly good for those traveling in automobiles through the country, as a map of the desired country may be used and the location of the automobile as it moves along may be indicated on the map by properly shifting the pointer 23. One of the end walls 2 is provided with an aperture 27, as shown in Figure 5 and a corresponding aperture 28 is formed in one of the end walls 15, whereby the pin 29 carried by spring 30 may function to lock these two members together and thereby lock the frame 8 to the bottom 1 and associated parts. When it is desired to open the frame to change or adjust the map the spring 30 is engaged and pulled outwardly until the pin 29 has become disengaged from the wall 2 and then the frame 8 and associated parts may be swung to an open position, as shown in dotted lines in Figure 2. Pin 29 is rounded on the end so that when the frame is closed this pin will automatically snap into a locked position. In order that the pointer 23 may function

properly the traveling nut 22 is provided with an encircling portion encircling the arm 17 somewhat loosely but sufficiently snug to provide a proper guide to hold the pointer 23 always substantially parallel to the transparent panel 31 carried by the frame 8.

What I claim is:—

1. A map holder, comprising a folding structure formed with a container and a cover hingedly connected thereto, means for locking said cover closed, a traveling arm extending from one side of the frame to the opposite side, manually actuated means for moving said arm longitudinally of the frame, a pointer slidably mounted on said arm, and means operable from one side of the frame for moving the pointer longitudinally of said arm and transversely of said frame.

2. A map holder, including an enclosing structure for enclosing a map, a screw extending longitudinally along one side of said enclosing structure, a traveling nut mounted on said screw, whereby when said screw is operated said nut will move longitudinally of the holding structure, an arm rigidly secured to said traveling nut extending transversely over the map carried by the enclosing structure, and a manually-actuated screw extending parallel to said arm for shifting said pointer longitudinally of said arm.

3. A map holder, including a casing for holding a map while in a substantially spread-out position, an arm extending across said map transversely, hand-operated means extending along one edge of said casing for moving said arm longitudinally of the map, said arm being provided with a pair of upstanding members adjacent the respective ends, a screw rotatably mounted in said upstanding members and extending in a plane parallel with said arm, and a pointer slidably mounted on said arm formed with a threaded portion through which said screw extends whereby when said screw is rotated said pointer will be slid along the arm.

4. A map holder, comprising a container adapted to receive a map, a plate extending transversely across said container, a pointer mounted on said plate and adapted to slide longitudinally thereon, said pointer having a threaded aperture, a screw carried by said plate and extending through said threaded aperture, whereby when the screw is rotated the pointer will be moved along said plate. a traveling nut connected to one end of said plate and an actuating screw carried by said container and extending through said nut, said actuating screw extending longitudinally of said container, whereby when the actuating screw is rotated said plate and said pointer will be moved longitudinally of the container.

Signed at Brooklyn in the county of Kings and State of New York this 2nd day of October A. D. 1928.

SALVATORE TASCARELLA.