No. 625,844. Patented May 30, 1899.

J. S. KELSO, JR. & P. L. WILBUR.

HOLDER FOR ROAD MAPS.

(Application filed Nov. 8, 1897.)

(No Model.)

FIG. 1.

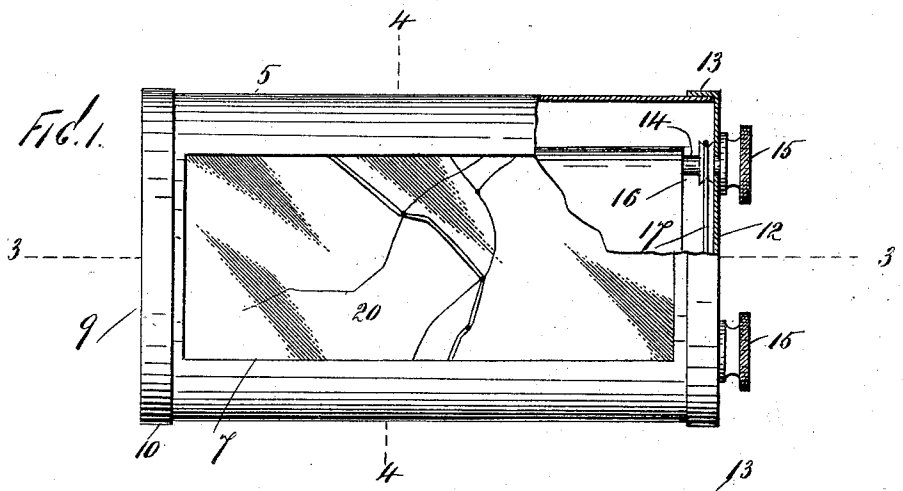


FIG. 2.

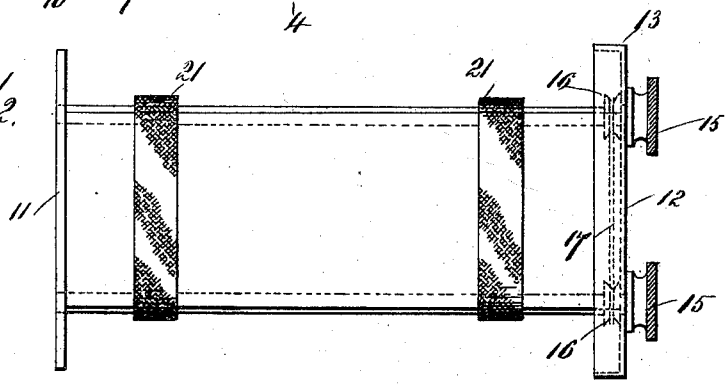


FIG. 3.

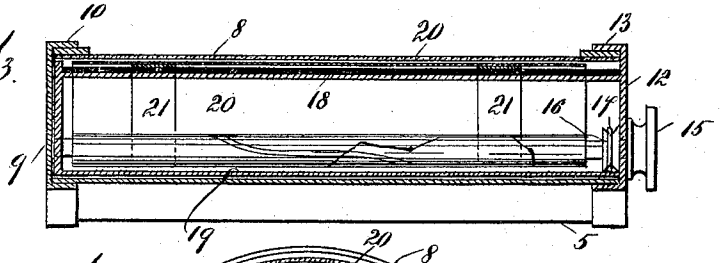
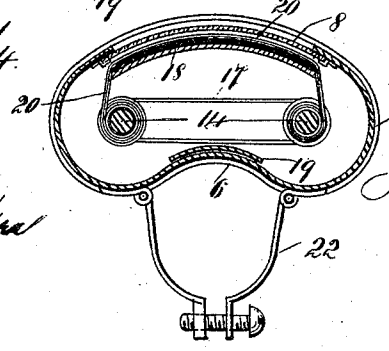


FIG. 4.



WITNESS

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JOHN S. KELSO, JR., AND PETER L. WILBUR, OF NEW YORK, N. Y.; SAID KELSO ASSIGNOR TO JOHN W. CRUMP, OF SAME PLACE.

HOLDER FOR ROAD-MAPS.

SPECIFICATION forming part of Letters Patent No. 625,844, dated May 30, 1899.

Application filed November 8, 1897. Serial No. 657,869. (No model.)

To all whom it may concern:

Be it known that we, JOHN S. KELSO, Jr., and PETER L. WILBUR, citizens of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Holders or Casings for Road-Maps, of which the following is a full and complete specification, such as will enable those skilled in the art to which the invention appertains to make and use the same.

This invention relates to holders or casings for road-maps for use in connection with bicycles and other vehicles; and the object thereof is to provide an improved device of this class which is adapted to be connected with the handle-bar; and the invention consists in the construction, combination, and arrangement of parts hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a plan view of our improved road-map casing or holder, part of the same being broken away, so as to better show the interior construction; Fig. 2, a plan view of a detachable frame which forms a part thereof; Fig. 3, a longitudinal section on the line 3 3 of Fig. 1, and Fig. 4 a cross-section on the line 4 4 of Fig. 1.

In the drawings forming part of this specification the separate parts of our improvement are designated by the same numerals of reference in each of the views, and in the practice of our invention we provide a casing 5, which is oblong in form and which is preferably of the shape in cross-section shown in Fig. 4, said casing being longitudinally concave centrally of the bottom thereof, as shown at 6, and the top thereof being convex and provided with a longitudinal rectangular opening 7, in which is mounted a transparent plate 8 of glass, mica, or other suitable material.

The casing 5 is provided at one end with an end piece 9, having a flange or rim 10, and the opposite end thereof is open and adapted to receive a frame consisting of an end piece 11 and a cap 12, provided with a flange or rim 13, and extending longitudinally of the end piece 11 and the cap 12 are two shafts 14, each of which projects through the cap 12 and is provided with a milled head 15, and, as shown in the drawings, the shafts 14 are provided adjacent to the inner surface of the cap 12 each with a grooved pulley 16, and mounted on these pulleys 16 is a cord or band 17. The end piece 11 and the cap 12 are also connected near their upper sides by a longitudinal plate 18, which is convexo-concave in cross-section, and near their lower sides by a similar plate 19, which is preferably much narrower than the plate 18, and in practice the road-map 20 is wound on the shafts 14, said shafts constituting rollers for this purpose, and by turning one of the knobs or heads 15 said map may be unwound from one of said shafts or rollers and wound onto the other, as may be desired and as will be readily understood, and we also in practice preferably provide two tapes 21, which are of the same length as the map and to which the map is secured, the tapes being secured to the shafts or rollers 14, the object of this construction being to prevent the tearing of the map or otherwise injuring it; but if the map be made of strong material it can be secured directly to the shafts or rollers 16 and the tapes 21 need not be employed.

In order to make this device useful at night, we contemplate coating the upper surface of the plate 18 with luminous paint or similar material in order that the map may be read or examined in the dark, and in this event the material of which the map is made will be translucent.

We also secure to the bottom of the casing 5 a clamp 22, of ordinary form and construction, by means of which the holder may be secured to the handle 5, and two or more of said clamps may be employed, if desired.

The frame, consisting of the end plates 11 and the cap 12, may be inserted into the casing 5 whenever desired, and in this operation the cap 12 closes one end of the casing 5 and the flange or rim 13 thereof overlaps said casing and corresponds with the flange or rim 10 on the end piece 9 thereof, and whenever it is desired to adjust the map or put on a new

map the said frame is removed, said frame being held in position by friction. The pulleys 16 and the cord 17 are not absolutely necessary, and in some cases the device will operate better without them, all that is necessary being to revolve the shafts or rollers 14 by means of the caps or heads 15, and the operation of one of said shafts or rollers will operate the other, as will be readily understood, through the agency of the map itself or the tapes 21.

Our improvement is simple in construction and operation and well adapted to accomplish the result for which it is intended, and it will be apparent that changes in and modifications of the construction herein described may be made without departing from the spirit of our invention or sacrificing its advantages.

Having fully described our invention, we claim as new and desire to secure by Letters Patent—

1. A device of the class described, consisting of a casing closed at one end and open at the other, and provided with an opening in the top thereof, rotatable shafts mounted in said casing, a luminous plate situated within the casing and above said shafts, and a map composed of translucent material and adapted to be wound on said shafts and drawn over said plate, substantially as shown and described.

2. A device of the class described, consisting of a casing closed at one end and open at the other, and provided with an opening in the top thereof, rotatable shafts mounted in said casing, a luminous plate situated within the casing and above said shafts, and a map composed of translucent material and adapted to be wound on said shafts and drawn over said plate, said shafts being geared in connection, substantially as shown and described.

3. A map-holder for bicycles and other vehicles, consisting of a casing adapted to be connected with a handle-bar, said casing being provided with an opening in the top thereof, a luminous plate mounted beneath the opening in the top of the casing, two shafts mounted beneath said plate and at or near the opposite ends thereof, and a map composed of translucent material which is adapted to be wound on said shafts, and drawn over said plate, substantially as shown and described.

4. A map-holder, comprising an oblong casing open at one end and provided in the top thereof with an oblong opening, and a detachable frame which is adapted to be inserted into the open end of said casing and which is provided at one end with a cap which is adapted to close the open end of said casing, said frame being provided with two longitudinal parallel shafts which project through said cap, and with a plate which is situated above said shafts, said shafts being adapted to receive a map which in the operation of the device is drawn over said plate, said shafts and said plate being removable from said casing with the said frame, substantially as shown and described.

In testimony that we claim the foregoing as our invention we have signed our names, in presence of the subscribing witnesses, this 5th day of November, 1897.

JOHN S. KELSO, JR.
PETER L. WILBUR.

Witnesses:
L. M. MULLER,
M. A. KNOWLES.