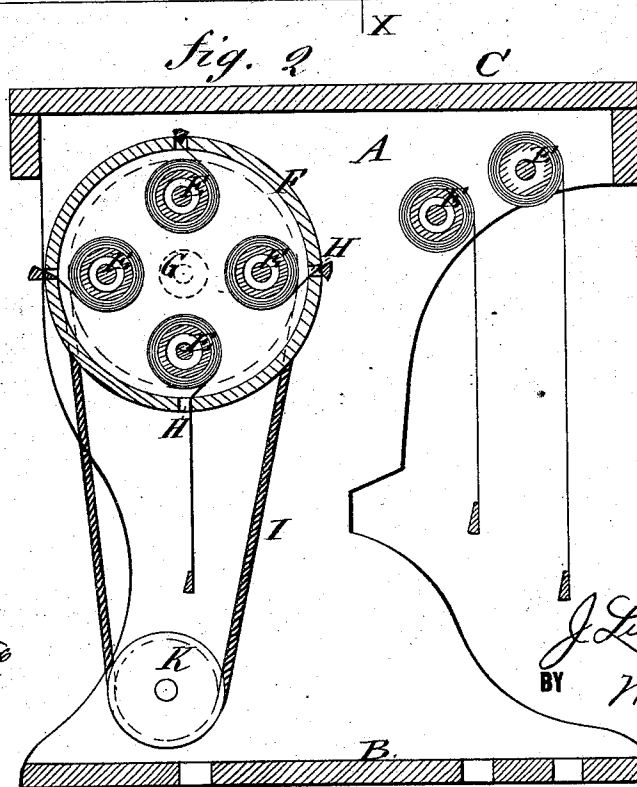
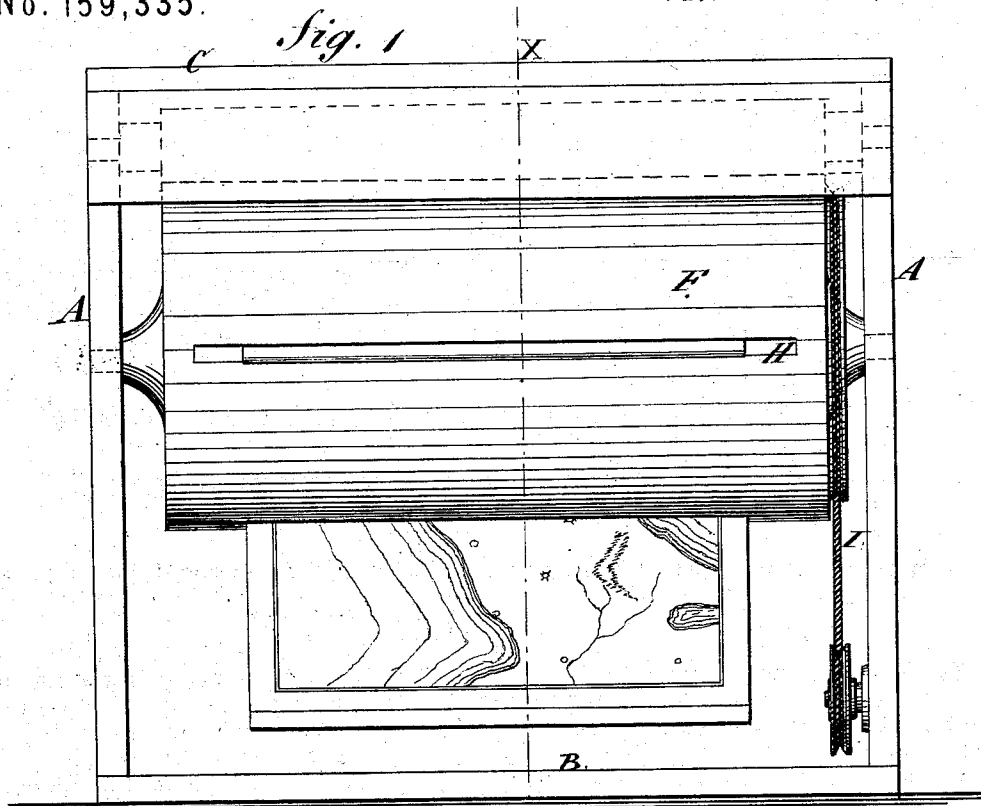


J. LICHTENBERGER.
Map-Exhibitor.

No. 159,335.

Patented Feb. 2, 1875.



WITNESSES:
E. Novau
W. Sedgwick

INVENTOR:
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN LICHTENBERGER, OF FORT WAYNE, INDIANA.

IMPROVEMENT IN MAP-EXHIBITORS.

Specification forming part of Letters Patent No. **159,335**, dated February 2, 1875; application filed July 25, 1874.

To all whom it may concern:

Be it known that I, JOHN LICHTENBERGER, of Fort Wayne, Allen county, Indiana, have invented a new and Improved Map-Rack, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is a front elevation of a map-rack contrived according to my invention. Fig. 2 is a transverse section taken on the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

A, B, and C represent a bracket or frame for hanging on a wall to support the map-roller E, which may be mounted directly in the bracket, one in front of another, as shown, at the right hand of Fig. 2; or they may be arranged in the hollow cylinder F, mounted on pivots G, so as to revolve upon its axis to bring the maps into position for pulling them

down, a slot, H, being formed for each map to drop through, and an endless cord or belt, I, with a suitable idle pulley, K, may be employed for turning the cylinder.

Instead of a close cylinder, a revolving rack or frame may be employed.

Any approved kind of spring contrivance may be used for rolling up the maps.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with rack A, of the slotted cylinder F H, provided on the inside with a series of rollers, E, arranged about its shaft G, and having on the outside a drive-pulley connected with an idler, K, by a belt, I, as and for the purpose specified.

JOHN LICHTENBERGER.

Witnesses:

E. A. ROSS LEWIN,
GEORGE J. MCCURHEY.