

H. W. PATTON.
 ROLLER FOR MAPS, CHARTS, &c.
 APPLICATION FILED NOV. 15, 1906.

901,035.

Patented Oct. 13, 1908.

Fig - 1 -

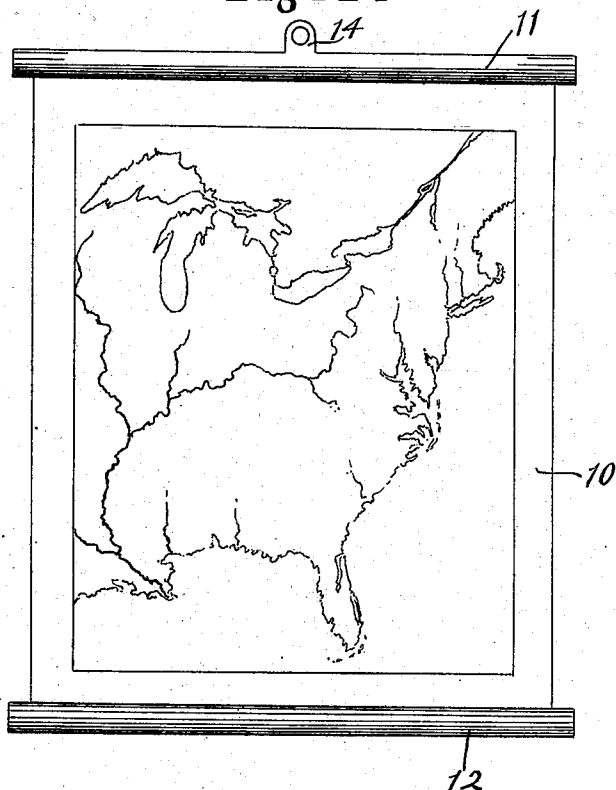


Fig - 2 -

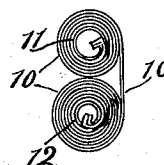


Fig - 3 -

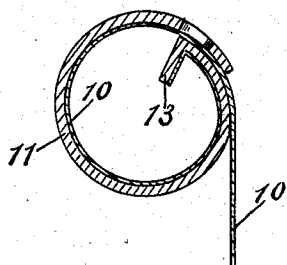
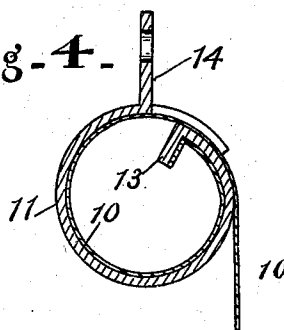


Fig - 4 -



WITNESSES:

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ROLLER FOR MAPS, CHARTS, &c.

No. 901,035.

Specification of Letters Patent.

Patented Oct. 13, 1908.

Application filed November 15, 1906. Serial No. 343,634.

To all whom it may concern:

Be it known that I, HERBERT W. PATTON, of Indianapolis, county of Marion, and State of Indiana, have invented a certain new and useful Roller for Maps, Charts, and the Like; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like letters refer to like parts.

The object of this invention is to provide a cheap and convenient roller for the ends of maps, charts, and the like.

The nature of the invention will be understood from the accompanying drawings and the following description and claims.

In the drawings Figure 1 is an elevation of a map with said rollers thereon. Fig. 2 is an end elevation of the same rolled in a compact form for shipment. Fig. 3 is a central transverse section on an enlarged scale through the upper roller and one end of the map in its condition before it is put into use. Fig. 4 is the same as Fig. 3 after the hanger has been turned up for use.

In detail 10 is a map, chart, or the like, provided with a top roller 11 and a bottom roller 12. These rollers are made of metal and are tubular so that they are extremely light and yet sufficiently strong. They are placed on the map by a machine that grips the edge 13 of the roller and also the edge or end of the map, and then both map and metal sheet are turned into a tube with the free or outer edge of the tube overlapping the

edge on which the part 13 is secured, and at the same time the overlapping portions of said tube are pressed together so as to bind and hold the map in place. When secured on the map, the tube has the form shown in Fig. 3 in cross-section with the portion 13 extending inwardly flange-like.

In shipment the map is coiled on both rollers substantially equally, as shown in Fig. 2, which makes a very compact arrangement. When in use, the hanger 14 which, before the roller had been secured to the map, had been cut out, is turned up as shown in Fig. 4, and it has a hole through it to pass over a nail. Before use, however, during shipment, the hanger is left turned down, as shown in Fig. 3, so that the map may be rolled on it.

What I claim as my invention and desire to secure by Letters Patent is:

The combination of a metal roller formed of a sheet of metal coiled to make a tube with its edges overlapping each other and pressing against each other when nothing is between them, and a map, chart or the like with its end coiled within said roller and in frictional engagement with the entire inner surface thereof.

In witness whereof, I have hereunto affixed my signature in the presence of the witnesses herein named.

HERBERT W. PATTON.

Witnesses:

N. ALLEMONG,
H. B. McCORD.