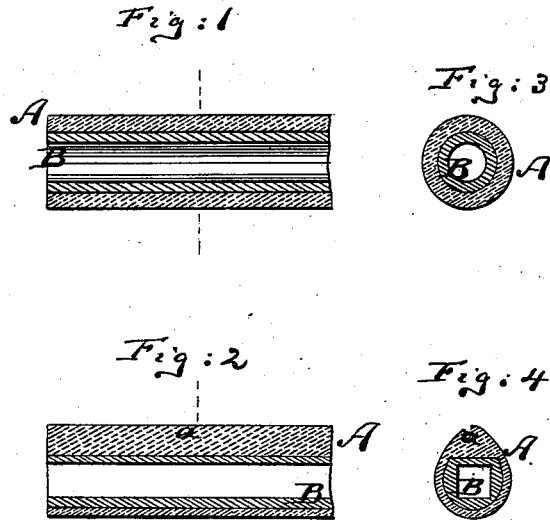


C. F. ODELL.
Top-Prop for Vehicles.

No. 213,129.

Patented Mar. 11, 1879.



Witnesses:

John C. Fenbridge
Willy J. C. Schultz

Inventor:

Charles F. Odell
by his attorney
A. J. Briesen

UNITED STATES PATENT OFFICE.

CHARLES F. ODELL, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO JOHN WALTERS, OF NEW YORK, N. Y.

IMPROVEMENT IN TOP-PROPS FOR VEHICLES.

Specification forming part of Letters Patent No. **213,129**, dated March 11, 1879; application filed February 5, 1879.

To all whom it may concern:

Be it known that I, CHARLES F. ODELL, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and Improved Top-Prop Cover or Socket for Carriages, of which the following is a specification:

Figures 1 and 2 are longitudinal sections of my improved top-prop cover. Figs. 3 and 4 are cross-sections thereof.

Similar letters of reference indicate corresponding parts in all the figures.

The coverings for carriage-top props have heretofore been made either entirely of india-rubber or of wood covered with leather. The india-rubber is, owing to the necessary thickness, very expensive, and therefore, as a rule, only used on costly vehicles. The wood covering is too liable to split and break, and not sufficiently elastic, and therefore very objectionable.

My invention consists in making the core of the rubber cover of paper or papier-maché, thereby insuring thorough elasticity and economy and greater durability than is found in the rubber alone.

In the drawings, the letter A represents the outer shell, and B the core or interior part, of my improved top-prop cover. The part B is made of paper or papier-maché, with a round or prismatic central hole, as may be desired. If the hole is round, the paper is nevertheless sufficiently yielding to fit itself to the shape of the top-prop when driven onto the same.

The shell A is made of india-rubber, and closely surrounds the inner part, B. It constitutes the cushion of the top-prop cover, and may either be circular, as in Figs. 1 and 3, or made with an elevated portion, *a*, as in Figs. 2 and 4. This cover will be very durable, thoroughly elastic, and far more economical than the ordinary rubber covers.

I claim—

The top-prop cover constructed of a paper core, B, and rubber cover A, substantially as herein shown and described.

The above specification of my invention signed by me this 23d day of January, 1879.

CHARLES F. ODELL.

Witnesses:

JOHN M. ROBB,
WILLIAM F. ROBB.