

SWETT & LOCKEY.

Carriage Top.

No. 109,272.

Patented Nov. 15, 1870.

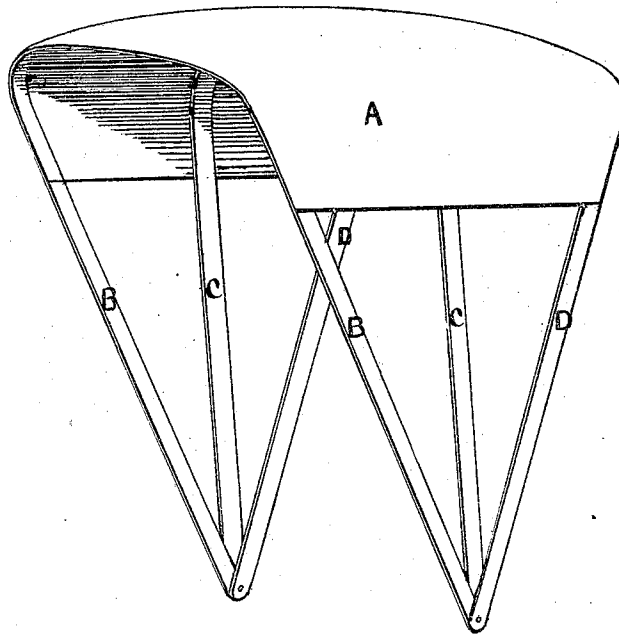


Fig. 1.

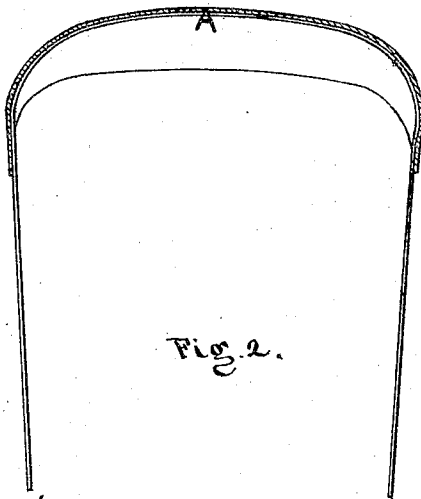


Fig. 2.

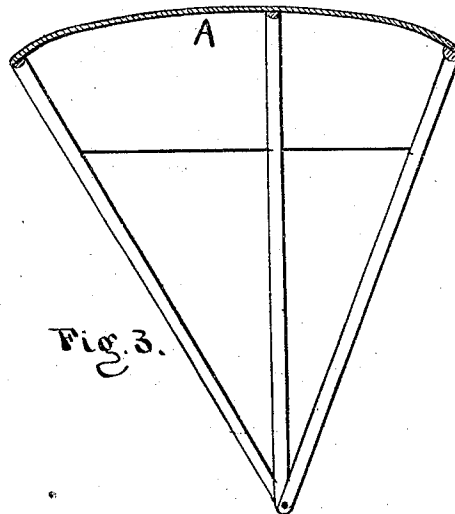


Fig. 3.

Witnesses

Frank L. Parker

J. P. Bonaparte

for William Jackson Att.

Inventors.

Greenleaf L. Swett

Joseph P. Lockey

for William Jackson Att.

# United States Patent Office.

GREENLEAF L. SWETT AND JOSEPH P. LOCKEY, OF LEOMINSTER, MASSACHUSETTS.

Letters Patent No. 109,272, dated November 15, 1870.

## IMPROVEMENT IN MOLDED CARRIAGE-TOPS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

We, GREENLEAF L. SWETT and JOSEPH P. LOCKEY, of Leominster, in the county of Worcester and State of Massachusetts, have invented a certain new and useful Improvement in Molded Carriage-Tops, of which the following is a complete specification.

### *Nature and Object of the Invention.*

The nature of our invention consists in making, as a new article of manufacture, a molded carriage-top, said top being made of a fibrous material partaking of the nature of *papier-mache*, leather, board, &c., and of such fineness that it may retain the form into which it is molded.

### *Description of the Drawing.*

Figure 1 shows, in perspective, our improved carriage-top, as it appears attached to bows.

Figure 2 shows a cross-section of the same.

Figure 3 represents a longitudinal section of the same.

### *General Description.*

The part A, the formation and adjustment of which constitute my invention, is made of paper, *papier-mache*, leather, board, or of the class of fabrics which is formed substantially as paper, the same being molded when in a pliable condition and allowed to set

into a sufficiently rigid condition to fully retain its shape when used as a carriage-top.

It is made water-proof either by being covered with some thin fabric or by oils and varnishes.

The supporting-frame B C D may be made as shown in the drawing, or in any similar style.

The number of bows may be varied, two being sufficient for an ordinary carriage.

The molded top is made sufficiently strong to support itself without the aid of truss or braces.

The advantages that we claim for fabrics of a paper nature over those of a gummy nature are that gums and gutta-percha can only be made rigid by the very expensive process of vulcanizing, and that the first cost of the raw material, to say nothing of the process of working, is so great as to forbid its use for our purpose.

### *Claim.*

We claim—

As an article of manufacture, a molded carriage-top, formed of the material and adapted to use as described, and for the purpose set forth.

GREENLEAF L. SWETT.  
JOSEPH P. LOCKEY.

Witnesses:

FRANK G. PARKER,  
E. A. NICKERSON.