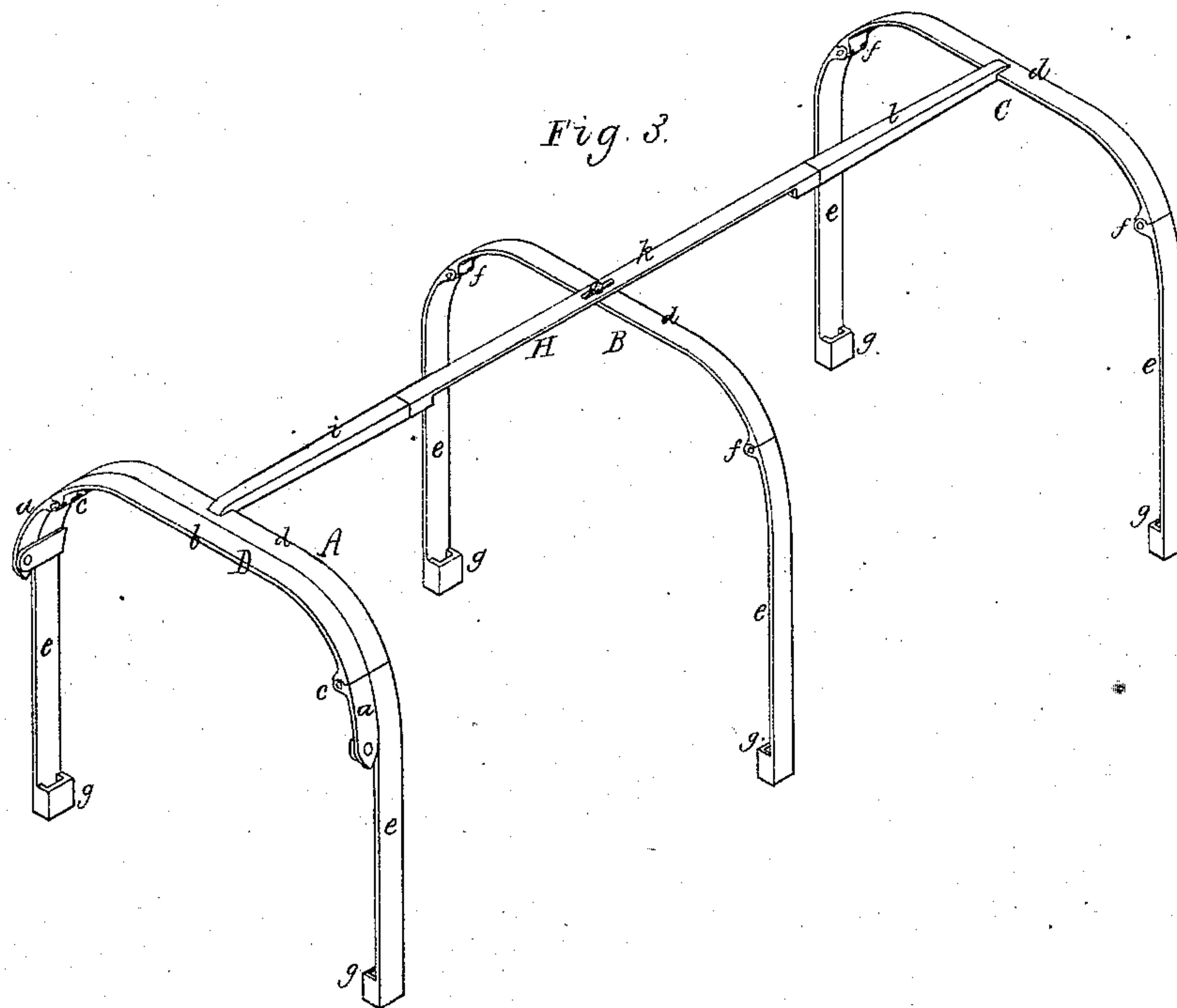
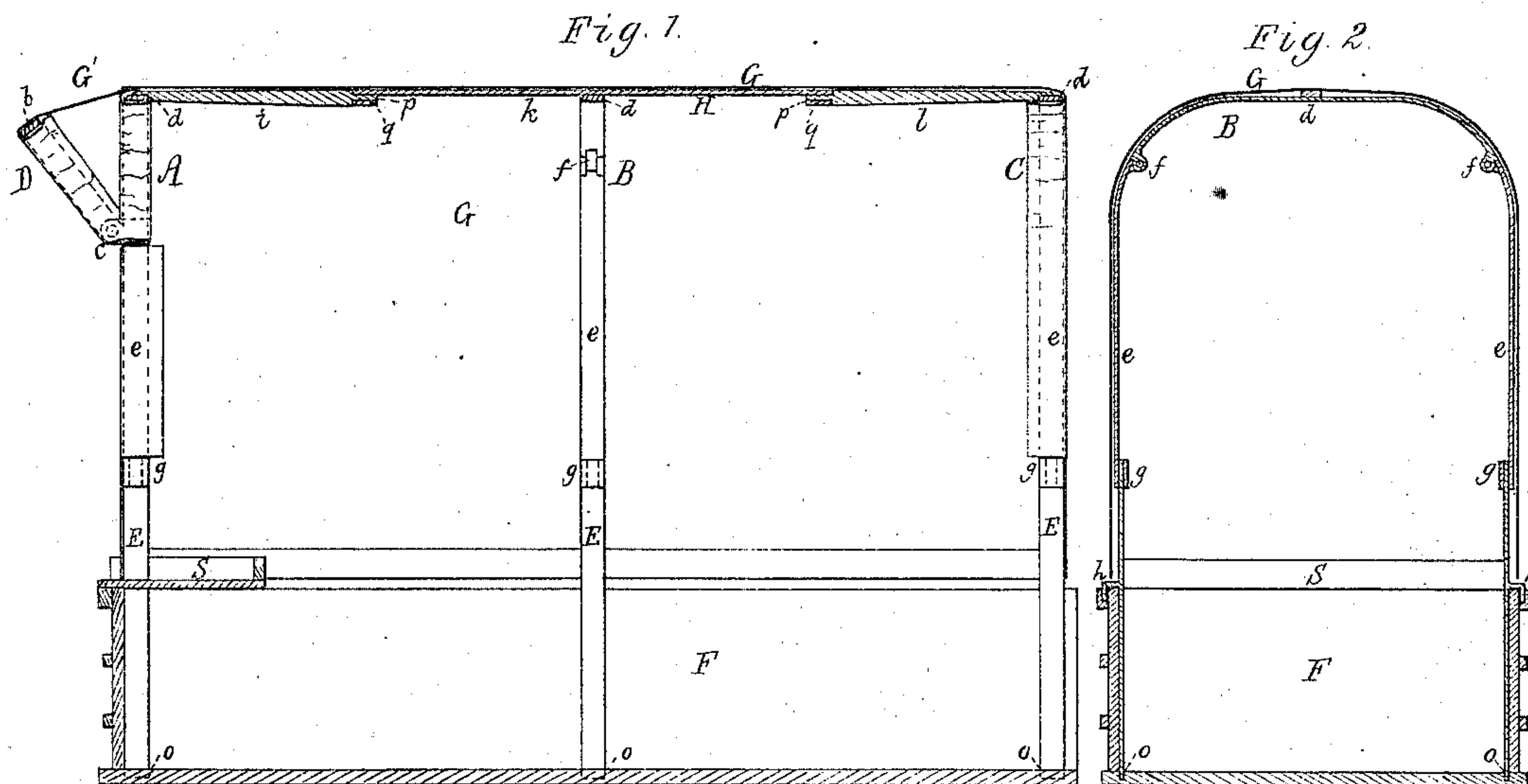


E. M. SAUNDERS.  
Wagon-Cover.

No. 160,792.

Patented March 16, 1875.



Witnesses.

*S. N. Piper*  
*L. N. Miller*

Edward M. Saunders

by his attorney  
*R. H. Eddy*

# UNITED STATES PATENT OFFICE.

EDWARD M. SAUNDERS, OF SAUGUS, ASSIGNOR TO HIMSELF AND EDWARD K. WILSON, OF NEWTON, MASSACHUSETTS.

## IMPROVEMENT IN WAGON-COVERS.

Specification forming part of Letters Patent No. 160,792, dated March 16, 1875; application filed January 12, 1875.

*To all whom it may concern:*

Be it known that I, EDWARD M. SAUNDERS, of Saugus, of the county of Essex and State of Massachusetts, have invented a new and useful Improvement in Wagons or Covers therefor; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a longitudinal section, and Fig. 2 a transverse section, of a wagon-body with one of my movable and folding covers. Fig. 3 is a perspective view of the frame of the cover.

This frame is mainly composed of three or any other suitable number of bows, A B C, the front one A having hinged to it a hood-bow, D, formed of three pieces, *a b a*, hinged together, as shown at *c c*. Each of the main bows A B C consists of an arched bar, *d*, and two upright bars, *e e*, hinged together at *f f*, the bars *e e* having mortised feet *g g*, to receive the tenons of two posts, E E, there being two of such posts to each of the bows A B C. Each of the said posts has a hooked projection, *h*, extended from it, in manner as represented, to enter a mortise in the top of the wagon-body F, when the foot of the post is stepped into a similar mortise, *o*, made in the floor of the wagon-body. The posts E, when arranged at the ends and middle of the body, in manner as shown, serve to support the folding bows. To the two end bows A C the cover G, of water-proof material, is fixed at its opposite ends, the hood-post G' of the cover being also fixed to the bow D. A brace-bar, H, formed in three parts, *i k l*, connected by tenons P and mortises *q* at their ends, extends over and rests on the top of the middle bow B, and abuts against the middles of the upper parts of the end bows A C. With such a construction of the cover and its supports, the cover with the two end bows and the hood-bow

may be easily folded together in a small compass, and upon the posts, the middle bow, and the brace-bar, they being previously withdrawn from their places in the wagon-body and packed together, the middle bow being folded previous to being so packed. The cover and its adjuncts or supporting devices, made and applied as described, can, with little trouble, be set up over the wagon-body or taken down therefrom and packed together in a small compass, so as to be stored in the space beneath the seat S.

It will be seen that, by making the hood-bow in three parts, hinged together as described, and pivoting it at its ends to the bow A, made as explained, not only can the hood-bow be turned up against or toward the bow A, but both can be simultaneously folded lengthwise, to effect the folding of the cover G. The rear bow, also being folded, will serve like a roll for the cover to be wound on.

I claim—

1. The hood-bow D, composed of the three parts *a b a*, hinged together and to the uprights *e e*, in combination with the cover-bow A, composed of the three parts *d e e*, hinged together, so that when the bow D is turned up against the bow A the parts *a e* of both bows may be folded upon the parts *b d* thereof, as set forth.

2. The uprights or posts E E, provided with the hooked projections *h*, in combination with the bow A, B, or C, composed of the arch *d* and the two uprights *e e*, hinged to said arch, and provided with the sockets *g g*, all as set forth.

3. In combination with the bows A B C, the top brace H at the crowns of the arched parts *d d d*, all as and for the purpose specified.

EDWARD M. SAUNDERS.

Witnesses:

R. H. EDDY,  
J. R. SNOW.