

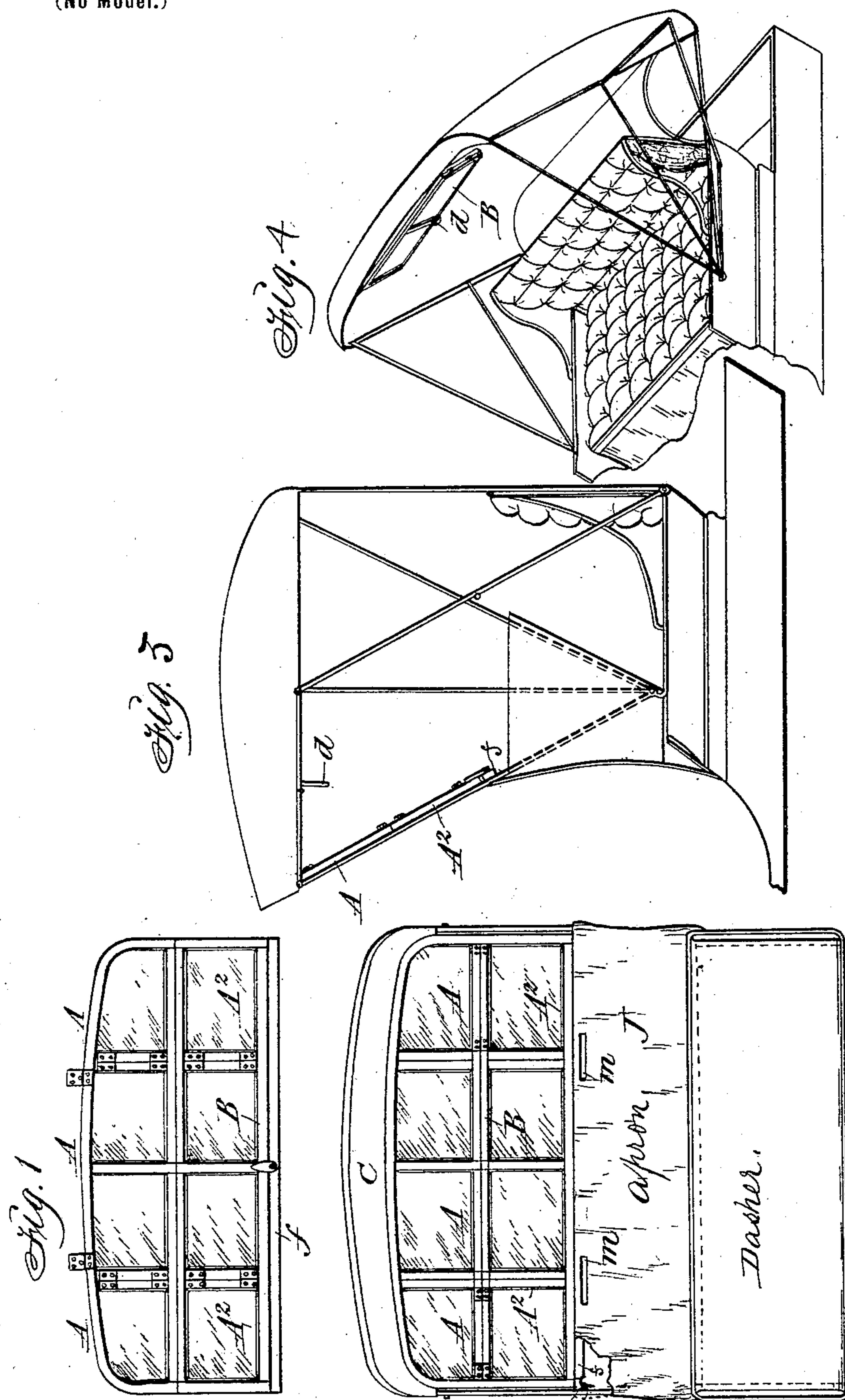
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Patented Aug. 15, 1899.

J. SCHNOOR.
WINDOW AND CURTAIN FOR BUGGY TOPS.

(Application filed May 9, 1899.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN SCHNOOR, OF STACYVILLE, IOWA.

WINDOW AND CURTAIN FOR BUGGY-TOPS.

SPECIFICATION forming part of Letters Patent No. 630,991, dated August 15, 1899.

Application filed May 9, 1899. Serial No. 716,111. (No model.)

To all whom it may concern:

Be it known that I, JOHN SCHNOOR, a citizen of the United States, residing at Stacyville, in the county of Mitchell and State of Iowa, have invented a new and useful Window and Curtain for Buggy-Tops, of which the following is a specification.

My object is to provide means for closing the front of the folding top of a buggy to protect persons therein from rain and snow and cold wind when traveling in such a manner that the driver will be able to see and manage the horse or horses hitched to the vehicle and also to see the road over which he is advancing and objects on the road and the landscape at the sides of the road.

My invention consists in a plurality of window-sashes fitted with transparent glass and hinged together in such a manner that they can be compactly folded and adjustably connected with the top of a buggy and a flexible curtain, as hereinafter set forth, pointed out in my claim, and illustrated in the accompanying drawings, in which—

Figure 1 is a view showing the inside surface of the window composed of hinged sections and the inside face of a piece of the flexible curtain connected with the lower edge portion of the window. Fig. 2 is the front view of a buggy-top, showing the folding window and the flexible curtain applied and in position as required to close the front of the top. Fig. 3 is a side view of the top, showing the side curtain removed and my folding window and flexible curtain in position as required for protecting persons while driving in a storm. Fig. 4 is a perspective view showing the top folded backward and the sections of the window folded together and fastened against the inside and central front portion of the top.

The letters A and B designate two mating window-sashes. The upper one is provided with hinges for adjustably connecting it with the central portion of the horizontal cross-piece C, fixed in the arch of the front bow in such a manner that it can be folded upward and inward, as shown in Fig. 4. At each end of the mating sashes A and B are two smaller sashes A² and B², hinged together, as shown in Fig. 2, and also hinged, respectively, to the

ends of the mating sashes A and B, as shown in Fig. 1, in such a manner that the small sashes can be doubled inward to overlay the two larger sashes, and the lower large sash and the two lower small sashes then jointly folded upward to overlay the sash A, as shown in Fig. 4, and secured in such position by means of a strap *d* or other suitable fastening device for detachably securing the folded sashes in the top of the vehicle. A straight bar *f* has hooks *g* on its ends adapted to enter eyes *i*, fixed to the front bow of the folding top, as shown where parts are broken away from Fig. 2, for detachably connecting the bar with the bow by means of a hook and eye or in any other suitable way, so that a curtain J, preferably made of oil-cloth and fixed to the bar *f*, can be used in combination with the folding window for closing the front of the buggy-top as required to protect persons inside from a storm.

Slots *m* in the curtain J allow driving-reins to be passed through from the horse to the driver.

The ends of the curtain J may be turned rearward, as shown in Fig. 2, to aid, in connection with side curtains, to securely close the sides of the folding top or stationary top of a vehicle.

From the foregoing description of the construction and function of each part the practical operation and utility of my invention will be readily understood by persons familiar with the art to which it pertains, and

What I therefore claim as new, and desire to secure by Letters Patent therefor, is—

A detachable front for the covered top of a vehicle or buggy, comprising a folding window composed of parts hinged together to fold upon each other and adapted to be hinged at its top edge and central portion to a vehicle-top, a straight bar having hooks at its ends adapted to enter eyes fixed to the vehicle-top, and a flexible curtain fixed to the bar, arranged and combined to apply and operate in the manner set forth for the purposes stated.

JOHN SCHNOOR.

Witnesses:

JACOB DECKER,
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