

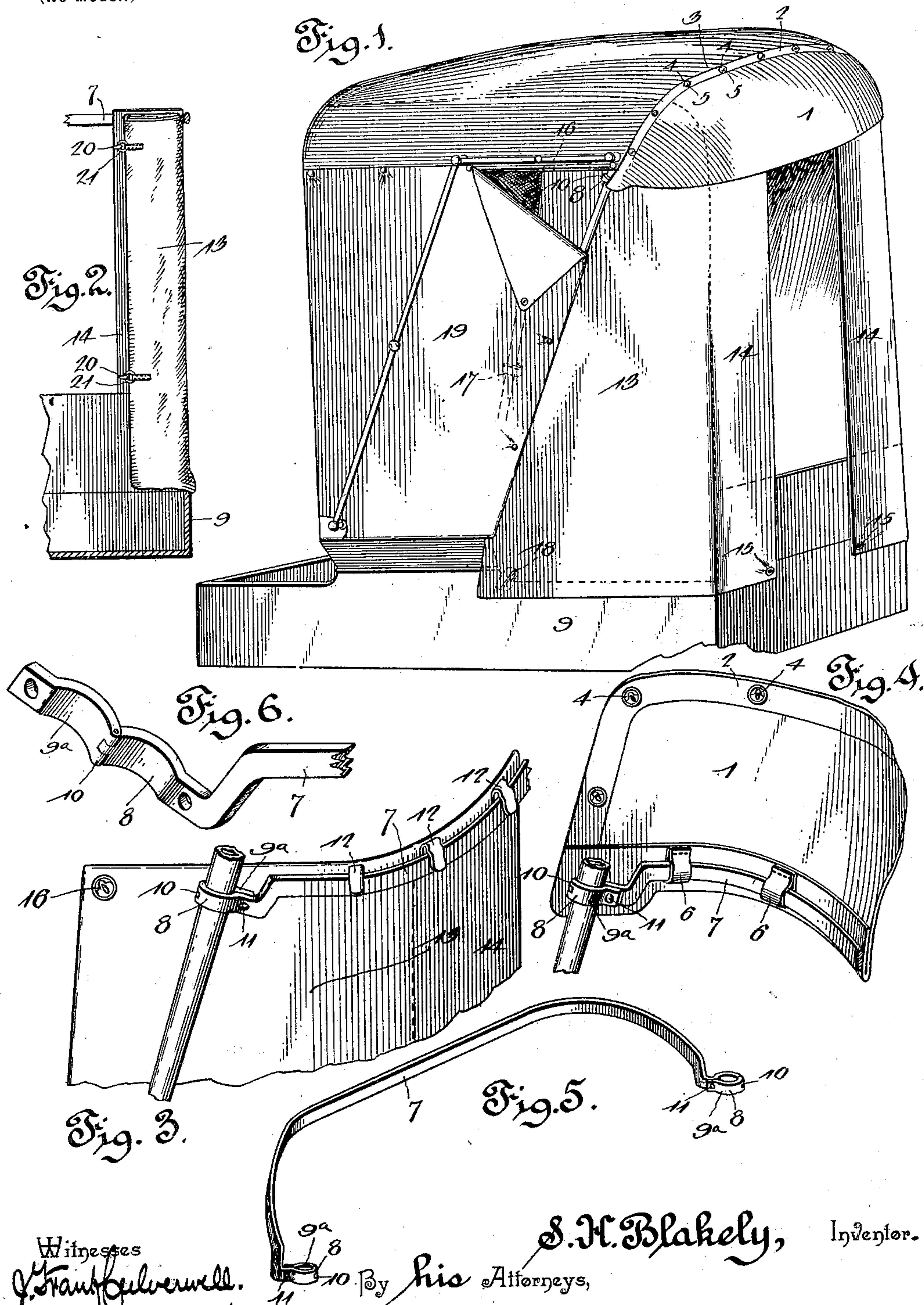
No. 626,964.

Patented June 13, 1899.

S. H. BLAKELY.
STORM FRONT FOR VEHICLES.

(Application filed Feb. 20, 1899.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

SAMUEL H. BLAKELY, OF TROY, KANSAS.

STORM-FRONT FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 626,964, dated June 13, 1899.

Application filed February 20, 1899. Serial No. 706,191. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL H. BLAKELY, a citizen of the United States, residing at Troy, in the county of Doniphan and State of Kansas, have invented a new and useful Storm-Front for Vehicles, of which the following is a specification.

The invention relates to improvements in storm-fronts for vehicles.

10 The object of the present invention is to improve the construction of storm-fronts for vehicles and to provide a simple, inexpensive, and efficient one adapted to be readily applied to a buggy or other vehicle and capable of effectually protecting the occupants and of affording ready ingress to and egress from the vehicle.

20 A further object of the invention is to enable the device to be compactly folded when it is desired to remove the storm-curtains.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

25 In the drawings, Figure 1 is a perspective view of a storm-front constructed in accordance with this invention and shown applied to a buggy. Fig. 2 is a detail view illustrating the manner of folding. Fig. 3 is a detail perspective view illustrating the manner of supporting the upper edges of the storm-curtains. Fig. 4 is a similar view illustrating the manner of supporting the hood. Fig. 5 is a detail perspective view of the hood-supporting bowl or frame. Fig. 6 is a similar view of one end thereof, illustrating the construction of the clamps.

40 Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a hood constructed of oil-cloth or other suitable waterproof material and attached at its inner edge 2 to the top of the front bow 3 of a buggy-top by means of eyelets 4 and buttons 5 of the usual construction; but it will be readily understood that any other suitable fastening devices may be employed for detachably connecting the hood to the front bow. The lower or outer edge of the hood 1 is provided with loops 6, arranged on the inner face of the hood and re-

ceiving a bow or frame 7, disposed substantially in a horizontal plane and having its terminals detachably secured to opposite sides of the front bow by clamps 8. The sides or end portions of the hood-supporting bow or frame are curved forwardly and inwardly to conform to the width of the box 9, which is narrower than the buggy-top, and the front portion of the bow 7 is arranged in the same vertical plane as the dash. The clamps 8 of the bow or frame 7 are provided with movable members or sections 9^a, hinged at their outer ends at 10 and detachably secured at their inner ends by bolts 11 or other suitable fastening devices, and the hood-supporting bow 7 is provided adjacent to its ends with angular bends 11 to arrange the body portion of the bow a slight distance above the point of attachment of its ends. The clamps enable the bow or frame 7 to be readily mounted on the sides of the front bow of any ordinary buggy-top.

75 The supporting frame or bow 7 is also engaged by hooks 12 of side curtains 13, extending around the sides and front of the vehicle and having their rear edges connected with the second bow of the buggy-top. The front portions 14 of the side curtains extend inward across the front of the vehicle a considerable distance, as shown, and the space between them may, if desired, be closed by a front curtain having a suitable transparent portion to enable the occupants to see. The lower edges of the front portions of the side curtains are buttoned at 15 or otherwise secured to the front of the box, and the rear edge of each side curtain is provided at the top with an eyelet or buttonhole 16, adapted to engage a suitable button or stud at the top of the side of the second bow. The side curtains are also provided at their rear edges with hooks 17 and 18, located, respectively, at points between the top and bottom and at the bottom and adapted to engage detachably the second bow and the upper edge of the box to retain the storm-curtain in position. The lower portion of the storm-curtain is drawn inward toward the box and the upper portion extends beneath the side curtain 19 of the top, as clearly illustrated in Fig. 1 of the accompanying drawings. The hooks 17 and 18 are preferably covered with cloth or other suit-

able material to avoid injuring the finish of the vehicle; but any other suitable fastening devices may be employed, if desired.

The entire device may be readily removed
5 from the buggy in warm weather when it is undesirable to have it, and the storm-curtains can be compactly arranged, as illustrated in Fig. 2, by detaching their rear portions and rolling them, as shown, suitable hooks 20 and
10 rings 21 or other suitable fastening devices being provided to retain them in their folded position.

The invention has the following advantages: The storm-front, which is simple and
15 comparatively inexpensive in construction, may be readily applied to any ordinary buggy or analogous vehicle, it is capable of effectually excluding the weather, and the storm-curtains can be folded in front to permit of
20 readily getting in or out of a buggy. When not needed, the curtains may be quickly and easily removed and replaced in the box of the seat ready for use at any time, while the hood remains in position during the stormy season.

Changes in the form, proportion, size, and the minor details of construction within the scope of the appended claims, such as varying the form of the fastening devices for securing the storm-curtains and the hood to a
25 vehicle-top and the like, may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

What is claimed is—

1. A device of the class described comprising
35 a substantially horizontal hood designed to be secured to the front of a vehicle-top and extending forward from the front bow, and the storm-curtains arranged at opposite sides of the vehicle and extending inward on and partially covering the front of the same, said curtains being spaced apart at the front of the vehicle to provide an opening substantially as described.

2. In a device of the class described, the
45 combination with a vehicle, of a substantially horizontal bow or frame extending forwardly from the front bow, a hood connected at its lower edge with the bow or frame and detachably secured at its upper edge to the
50 front bow, and the storm-curtains located at opposite sides of the vehicle and detachably

connected with the bow or frame, substantially as described.

3. In a device of the class described, the combination with a vehicle, of a supporting
55 frame or bow detachably mounted on the front bow and extending forwardly therefrom, a hood connected with the supporting frame or bow and with the top of the front bow, and the storm-curtains having their upper edges detachably engaging and supported
60 by the frame or bow, said curtains being arranged at opposite sides and at the front of the vehicle and connected at their bottoms with the body, substantially as described. 65

4. In a device of the class described, the combination with a vehicle, of a substantially horizontal bow or frame extending forwardly upon the front bow, a hood connected at its lower edge with the bow or frame and detachably secured at its upper edge to the top of the front bow, and the storm-curtains located at opposite sides of the vehicle and detachably connected at its top and bottom to the same and supported by the frame or bow,
70 said storm-curtains being adapted to have their side portions rolled and connected to the front portions, substantially as and for the purpose described. 75

5. In a device of the class described, the combination with a vehicle, of a forwardly-extending frame or bow detachably mounted on the front bow at opposite sides thereof, a hood detachably secured to the top of the front bow and provided with loops receiving
80 the frame or bow, the storm-curtains arranged at the sides and front of the vehicle, and provided at their upper edges with hooks detachably engaging the frame or bow, said curtains having their front portions detachably
85 secured to the body and fastening devices for detachably connecting the rear portions of the storm-curtains with the vehicle, substantially as described. 90

In testimony that I claim the foregoing as
95 my own I have hereto affixed my signature in the presence of two witnesses.

SAMUEL H. BLAKELY.

Witnesses:

SAMUEL P. ZIMMERMAN,
ARTHUR HARGIS.