

E. SPIEGEL.
 AUTOMOBILE TOP.
 APPLICATION FILED APR. 6, 1918.

1,348,593.

Patented Aug. 3, 1920.

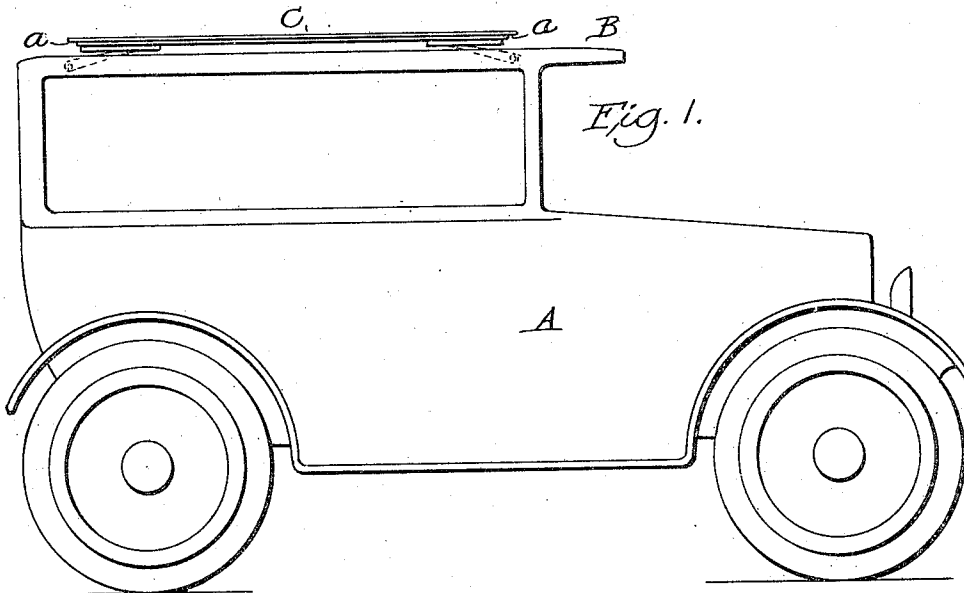
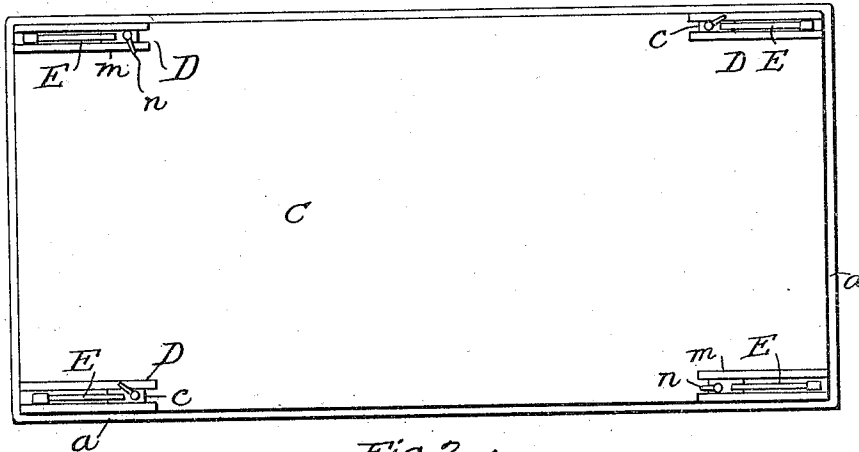
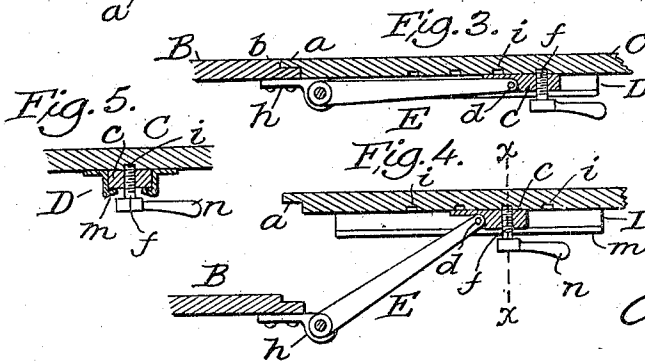


Fig. 2.



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AUTOMOBILE-TOP.

1.348,593.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDWARD SPIEGEL, a citizen of the United States, residing at Brooklyn, in the city of New York, State of New York, have invented certain new and useful
5 Improvements in Automobile-Tops, of which the following is a specification, reference being had to the annexed drawing.

This invention relates to the construction of the roofs of automobiles and has for its object providing a ready means for affording and controlling ventilation to the inclosed portion of a car.

In the drawings:

Figure 1 is a side view of a car showing
15 my improvement attached.

Fig. 2 is an enlarged view of the ventilating cover.

Fig. 3 is a sectional view of one of the hinged corners of the lifting cover in closed position.

Fig. 4 is the same as Fig. 3 when the lifting cover is closed, and

Fig. 5 is a cross-section on the line $x-x$ of Fig 5.

In many cases it is desirable to have only the rear end of the movable top raised and in some cases to have both ends raised but the rear end with a greater outlet than the front. This result would not be available in a case where the movable part of the top was simply hinged to the roof at the front or rear end. The use of a movable side portion is not available for the purposes of my ventilating top as the draft of wind when it
35 is in use would be directly on the body of the occupants.

In the drawings

A represents the main body of a passenger carrying automobile and B is the roof.

In the roof I provide a rectangular adjustable cover portion C, which is preferably made to conform generally with the outlines of the roof but is of smaller dimensions. The cover C, has its edges rabbeted as shown at
45 a , to fit a corresponding rabbet b , on the inner edge of the opening in the roof. On its under side at each corner of the ventilating adjustable cover C, I provide a confining slide way D in which slides a carrier block
50 c , having attached thereto, by a swivel joint d , an arm E. The arm E, at its end opposite to the swivel joint d , is hinged to the under-

side of the roof B. The hinge portion h , extending slightly past the inner edge of the opening in the top B.

In the block c , is a screw f , secured at its outer end to a handle n , and the under side of the lifting ventilator is provided with sockets i , of slight depth and of a size to receive the end of the screw f .

The inclosing sides m , of the slide way D, are bent down at their inner edges so they will bear slightly on the traveling block c , and tend to press the end of the screw f , into the sockets i , when it is traveling past them.

The construction provides for the movable part of the top being hinged at each end as well as being adjustable to different elevations and means for retaining the same at various elevations. This provides an advantage not heretofore obtained. Where the four corners are adapted to be separately raised and lowered, one side of the movable top may be raised to a greater height than the other.

In operation the adjustable cover portion C, is readily pushed up by one hand of the occupant at any point when the handles n are turned to free the screws from the sockets. The block c then travels along the slide way as the ventilator is raised or lowered at either end when a slight turn of the handle n will settle the adjustable top in position. By this means the air may be readily admitted to any desired extent at the back or the front of the car or allowed to pass through by having both ends raised to the same extent. It will be observed that by my improved arrangement of hanging and hinging the adjustable portion of the top it is available to have the two ends at different elevations. The inconvenience of having either end of the ventilating portion or top part C, secured in position on a level with the main body is avoided by my new construction. While one end of the center part of the top may be raised higher than the other if desired, both the ends are free to be raised and allow air to pass.

Having described my improvements what I claim as my invention and desire to secure by Letters Patent is:

In an automobile body a two part top, one part forming a central rectangular portion, the other part comprising a surrounding

frame, the meeting points of said central portion and surrounding frame being rabbeted and adapted to fit snugly together, each corner of the central portion provided
5 with a confining slide and carrier block *c*, adapted to be operated to adjusted positions and held in place by a screw with handle *n*, said block being attached at one end to an arm *E*, the other end of which is attached to the frame of the roof, substantially as and
10 for the purposes shown and described.

EDWARD SPIEGEL.