

T. SWAN.
CURTAIN ATTACHING CLIP FOR VEHICLES.
APPLICATION FILED JUNE 7, 1909.

1,054,254.

Patented Feb. 25, 1913.

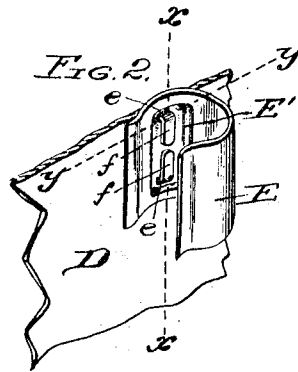
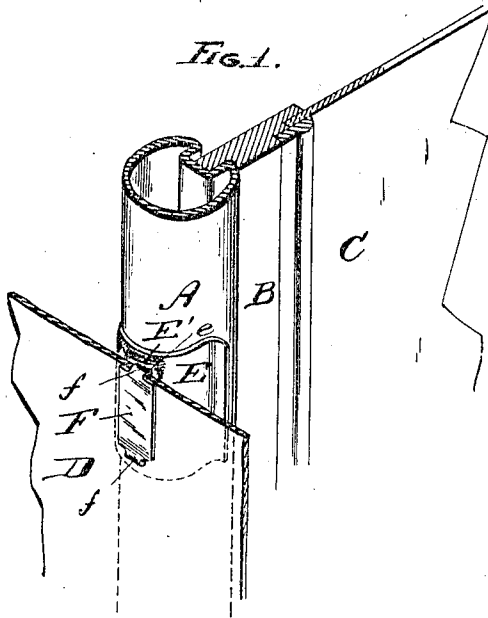
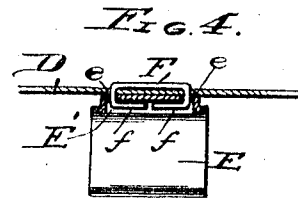
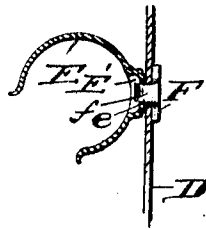


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

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CURTAIN-ATTACHING CLIP FOR VEHICLES.

1,054,254.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, THOMAS SWAN, citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Curtain-Attaching Clips for Vehicles, and declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improvement in means for attaching the side curtains of an automobile or other vehicle to the frame of the wind guard, as shown in the accompanying drawings and more particularly pointed out in the following specification and claims. It has been customary to provide the wind guard frame with buttons, projecting studs, and other devices of a similar character by which the side curtains may be attached thereto. This has been found to be very objectionable, interfering as it does with the cleaning of the metal parts, and with the devices in common use it has been difficult to rapidly engage the curtains in the event of a sudden storm.

The object of the present invention is to provide means whereby the curtains may be quickly attached and as readily detached,—the engaging device being such that it will not mar the metal work of the wind guard frame or will it form any obstacle to the proper polishing and cleaning of the same.

Referring now to the drawings forming part of this specification:—Figure 1 is a fragmentary perspective view with parts in section of a portion of an upright bar of a wind shield frame and of a side curtain, showing the manner of attaching it to the frame. Fig. 2 is another perspective view disclosing a portion of the side curtain with the clip attached thereto. Fig. 3 is a sectional view on line Y—Y of Fig. 2. Fig. 4 is a sectional view on line X—X of Fig. 2.

Referring now to the letters of reference placed upon the drawings:—A is one of the upright standards of the wind guard frame. B the sash frame and C the glass.

D is a side curtain.

E is a U-shaped spring clip having on its inner surface a depressed or sunken portion E' slotted at *e* to receive the fingers *f* of

the engaging staple F. The depression E' forms on the outer surface of the clip a protuberance or projection E² whose top surface is substantially flat, as shown in Figs. 3 and 4. The fingers of the staple F, as clearly shown in the drawings, pass through the curtain and through the slots *e* of the spring clip and are then bent down so as to lie well within the depressed portion E' of the clip,—the object of the depressed portion being to protect the metal standard A from being scratched or otherwise marred by the fingers *f* of the staple contacting with the standard when the clips are caused to embrace it. Any suitable number of these clips are employed to properly secure the curtain in position.

While I have described my device as designed to engage the side curtains of an automobile to the frame of the wind guard, it is apparent that the clips may be employed to attach the curtains to any part of the frame or canopy of an automobile or other vehicle.

Having thus described my invention, what I claim is:—

1. A curtain attaching device for vehicles, comprising an arcuate spring clip of sheet material for embracing a tubular member, said clip being provided on its outer surface with a protuberance and on its inner surface with a coincident depression, said protuberance having a substantially flat surface provided with slots communicating with the depression, and an attaching member provided with a head and prongs, the head lying flat against the surface of the protuberance with the prongs entering the slots and having their ends clenched within the depression and below the inner surface of the clip.

2. A curtain attaching device for vehicles and the like consisting of an arc shaped spring clip having a depression on its inner surface and a coincident projection on its outer surface, the bottom of said depression being provided with spaced slots, and an attaching member composed of a head and prongs, said head lying substantially flat against the projection on the outer surface of the clip with the prongs projecting through the slots into the depression, the entire portions of the prongs projecting through the slots being bent flat against the bottom of the depression and being disposed

entirely below the interior surface of the clip.

3. A curtain attaching device for vehicles consisting of an arc-shaped clip made of
5 spring metal for attachment to a support and provided intermediate its ends with a concavo-convex depression on its inner surface, the bottom of the depression being
10 provided with a slot, an attaching member composed of a head and prong, said head lying flat against the convexed portion of the depression with the prong entering the

slot and bent so as to lie flat against the bottom of the depression, the depression being of sufficient depth to accommodate the prong and to enable it to lie below the inner surface of the spring clip and out of contact with the support. 15

In testimony whereof, I sign this specification in the presence of two witnesses.

THOMAS SWAN.

Witnesses:

GRACE E. WYNKOOP,
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