To all whom it may concern:

Be it known that I, CLYDE B. MOON, a citizen of the United States, residing at Burr Oak, in the county of Jewell and State of Kansas, have invented certain new and useful Improvements in Curtain Carriers for Automobiles, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to devices for supporting curtains within automobiles, and particularly to a device of this character in the nature of a reel upon which the curtains may be wound and thus conveniently and compactly carried, this application being a continuation in part of the application filed by me on the 2nd day of December, 1924, Serial No. 775,470, for curtain carriers.

The general object of the invention is to provide a device of this character which includes a carrier adapted to be supported upon one of the bows of the car top, and provide a reel mounted within the carrier and having means whereby curtains may be clamped upon the reel proper.

A further object is to provide a device of this character with means whereby the reel may be rotated to wind up the curtains, such means being so constructed that the reel may be readily withdrawn from the carrier when desired.

Other objects have to do with the details of construction and arrangement of parts as will appear more fully hereinafter.

My invention is illustrated in the accompanying drawing, wherein:

Figure 1 is a perspective view of a curtain carrier constructed in accordance with my invention and shown as supported upon a bow of a vehicle top;

Figure 2 is a longitudinal vertical sectional view through the curtain carrier;

Figure 3 is a vertical section through the curtain carrier and the support A;

Figure 4 is a perspective view of one of the slides;

Figure 5 is a perspective view of one of the springs carried by the slides;

Referring to this drawing, it will be seen that I have provided a carrier or holder for curtains which is designated 10 and which is preferably made of canvas, though other materials might be used. The body 10 is partially cylindrical and is attached at its ends to heads 11 which may be made of metal, leather or any other suitable material. The canvas may be riveted to these heads. Preferably the canvas is riveted, punched or otherwise attached at its ends to these heads only around a portion of the circumference of the carrier or case 10 so that the upper portion of the case or carrier 10 is either entirely open or is simply protected by a cover or loose piece of canvas 12. This cover may be held closed and the carrier supported from the bow A of a vehicle by means of straps or bands 13 which extend around and are preferably attached to the body 10, and each of these bands at one point is formed to provide a loop 14 by passing the band or strap through a buckle 15 or by any other means of like character, the bow of the vehicle top passing through the loops 14 thus formed and the buckles 15 extending beneath the bow so as to hold the carrier in place when the straps are released to open the flap 12 and remove the contents of the carrier.

I do not wish to be limited to the use of the specific buckle shown, as other means might be used for this purpose forming a loop over the bow. The straps 13 are held in position to close the carrier by means of buckles 16 of ordinary character. Extending through openings in the heads 11 is a shaft 17, this shaft being square in cross section or, if desired, being round in cross section or having any other cross sectional shape, though preferably square. Slidably mounted upon the winding shaft 17 are the slides 18. Each slide is formed with an aperture 19, the aperture being square, if the shaft is square in cross section, by which the slide may shift longitudinally upon the winding shaft 17. This slide is illustrated as rounded at the bottom but flat on top and being formed upon its inner surface with a vertically extending dove-tailed groove 20. Engaging in this dove-tailed recess is the angular end 21 of a leaf spring 22. Each leaf spring, therefore, extends downward from the top of the slide to a point in proximity to the face of the shaft, then extends longitudinally along the shaft, and then upward at the extremity, as at 23, 24. The slides, as before stated, may be moved longitudinally upon the shaft so as to accommodate curtains of different widths mounted upon the extremities of the shaft and exteriorly of the heads 11 are the knobs 25 whereby the shaft may be rotated. These
I claim:

1. A curtain carrier of the character described comprising an outer case having ends, the case having a body portion approximately semi-circular in cross section, supporting means for the case whereby it may be supported from the bow of a vehicle top, a reel shaft passing through the ends of the case and rotatably supported therein, means on the extremities of the shaft whereby the shaft may be rotated, and means mounted upon the shaft for engaging the margin of a curtain therewith, said means being adjustable longitudinally upon the shaft held for rotation independently of the shaft.

2. A curtain carrier of the character described comprising an outer case having ends, the case having a body portion approximately semi-circular in cross section, supporting means for the case whereby it may be supported from the bow of a vehicle top, a reel shaft passing through the ends of the case and rotatably supported therein, means on the extremities of the shaft whereby the shaft may be rotated, and means mounted upon the shaft for engaging the margin of a curtain therewith, said means being adjustable longitudinally upon the shaft held for rotation independently of the shaft.

3. A reel for curtains including a case, a shaft passing longitudinally through the case and being rotatably mounted on the ends thereof, slides mounted upon the shaft inward of the ends of the case and held upon the shaft against independent rotation, means upon the extremities of the shaft whereby it may be rotated, and springs carried by said slides and extending toward each other and bearing upon the face of the shaft, the springs being adapted to engage the opposite margins of a curtain to hold the curtain to the shaft as the shaft is rotated.

4. A curtain carrier of the character described comprising an outer case having circular ends, the body of the case being approximately semi-circular, straps passing around the case and attached to the body thereof, said straps being formed each at one point with a loop adapted to embrace the bow of a vehicle top and said straps having means whereby they may be buckled to the case, a longitudinally extending shaft rotatably mounted on the ends of the case, knobs mounted upon the extremities of the shaft whereby the shaft may be rotated, and means mounted adjacent opposite ends of the shaft whereby a margin of a curtain may be held to the shaft, the two means being adjustable toward or from each other.
5. A carrying device for curtains comprising a case having ends, a shaft extending through the case, means upon the extremities of the shaft whereby it may be rotated, slides mounted upon the shaft adjacent each end thereof and shiftable longitudinally upon the shaft but rotatable therewith and each slide having a vertical groove upon its inner face, and a leaf spring for each slide, each spring being angularly bent at its dorsal end to extend into said groove and be supported thereby, each spring extending inward toward the shaft and then longitudinally along the shaft and then slightly outward whereby to receive between it and the shaft the margins of a curtain.

6. A curtain carrier of the character described comprising an outer case having end members, straps fastening around the case and attached to the body thereof and each formed at one point with a loop adapted to embrace the bow of a vehicle top and said straps having means whereby they may be buckled to the case, a longitudinal shaft rotatably mounted in the ends of the case and projecting outward thereof whereby the shaft may be rotated and means mounted upon the shaft whereby the margin of the curtain may be held to the shaft.

In testimony whereof I hereunto affix my signature.

CLYDE B. MOON.