

C. FOCKLER.
Curtain-Fastening for Carriages.

No. 227,752.

Patented May 18, 1880.

Fig. 1.

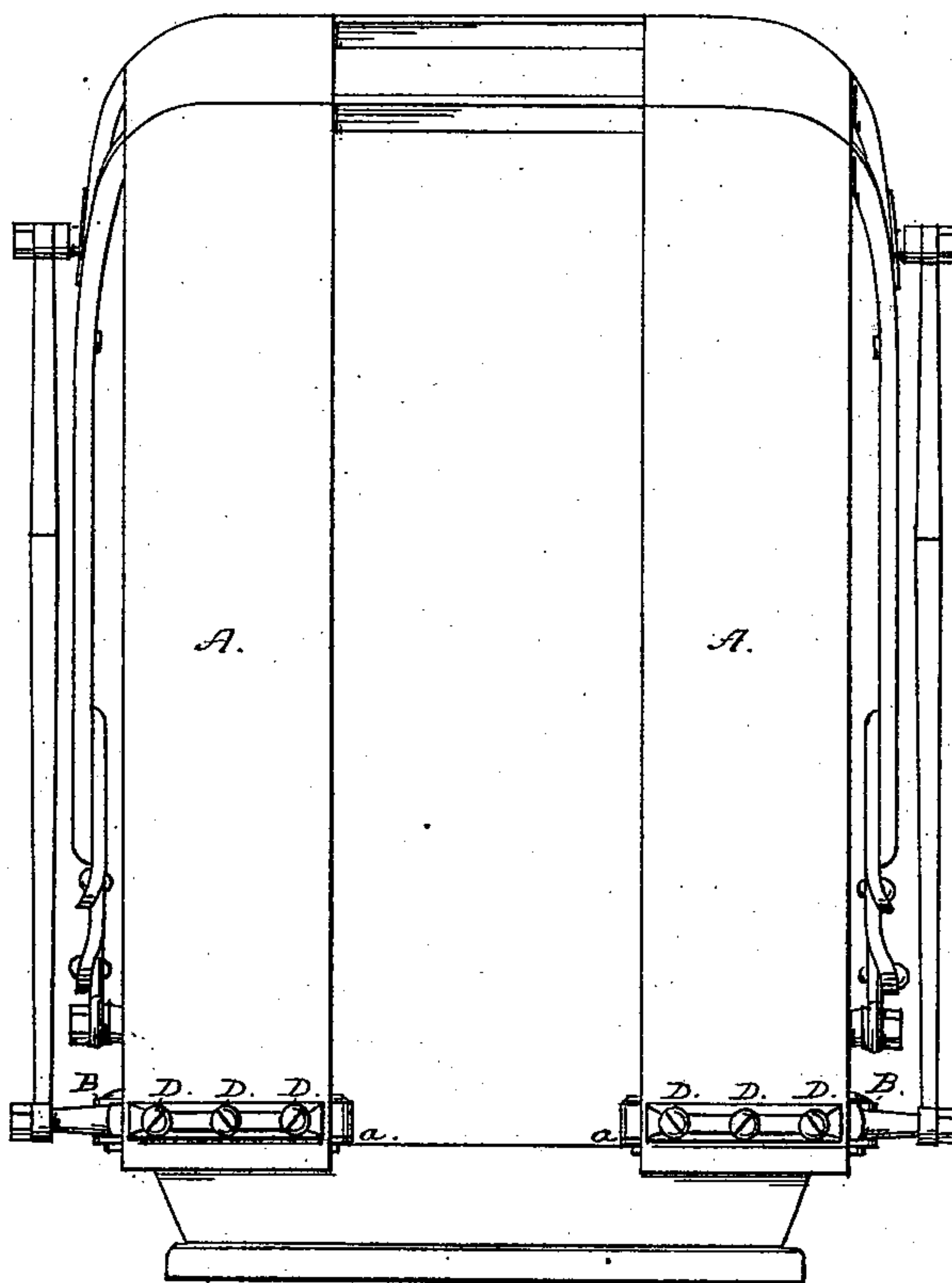


Fig. 3.

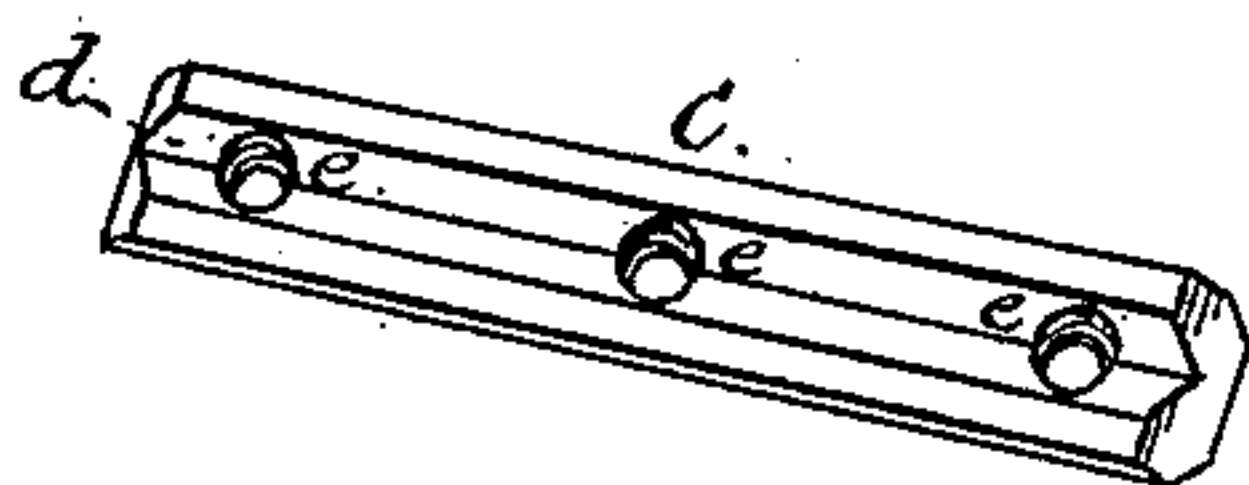
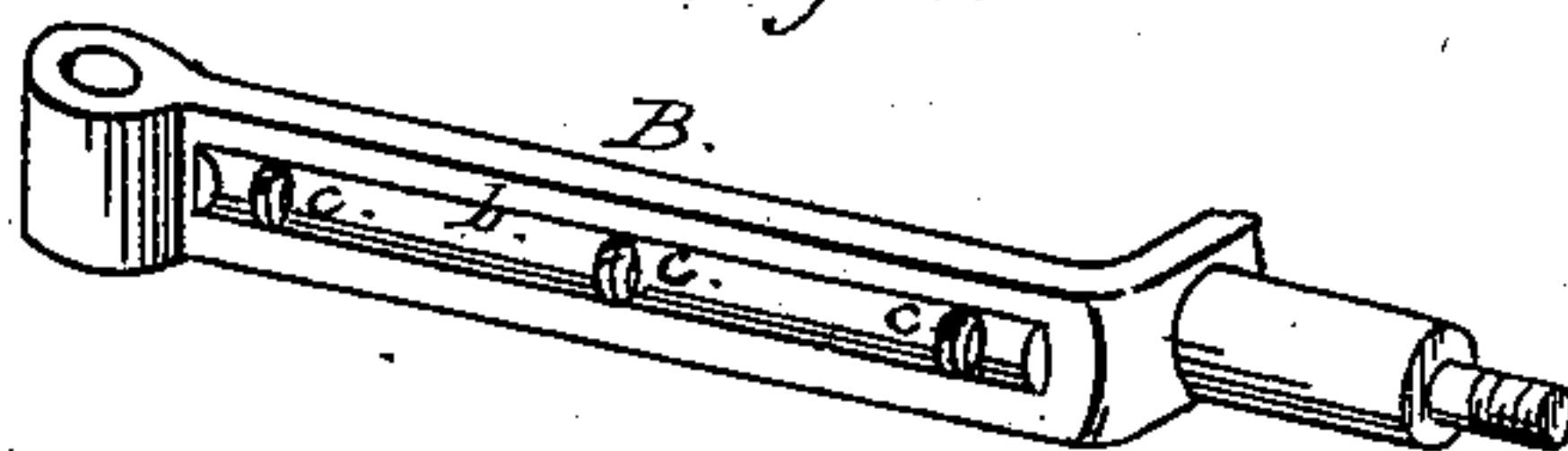


Fig. 2.



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UNITED STATES PATENT OFFICE.

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CURTAIN-FASTENING FOR CARRIAGES.

SPECIFICATION forming part of Letters Patent No. 227,752, dated May 18, 1880.

Application filed January 22, 1880.

To all whom it may concern:

Be it known that I, CHARLES FOCKLER, of Dubuque, in the county of Dubuque and State of Iowa, have invented a new and useful Improvement in Back Quarter-Curtain Fastenings for Carriages; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object of this invention is to provide convenient means for securely fastening the back quarter-curtains of a carriage at their lower ends either to the shifting-rail or to the back of the seat in an adjustable manner, so that whether the curtains stretch or become contracted in use or loose from any cause they may be held with a sufficient tension.

The novelty in this improvement consists mainly in a clamp by which the lower ends of the back quarter-curtains are firmly held at any desired point; also, in adapting the shifting-rail of the carriage so that the back quarter-curtains may be secured upon the same by means of the clamp before referred to; also, in combining such shifting-rail with the clamp, and in such other operative combinations of the various essential elements as are hereinafter more particularly described and claimed.

In order that those skilled in the state of the art may know how to make and use this improvement, the same is now fully explained in connection with the accompanying drawings, in which—

Figure 1 is a view from the rear of the carriage-top. Fig. 2 is a separate view from the rear of one of the shifting-rails, and Fig. 3 a separate view of the clamp looking at the inside of the same.

Similar letters denote corresponding parts in each figure.

In the drawings, the back quarter-curtains, A, are shown as secured upon the top of the carriage to its bows, and extending down in the rear to a point a little below the rear portions of the shifting-rail B. These back quarter-curtains may be made of the size, form, and material usually employed for such purposes.

The shifting-rail is bent around to the rear of the back of the seat a distance sufficient for the width of the back quarter-curtain adapted to be fastened to it, and at its extreme end is secured to the back of the seat by a proper strap or clip, *a*. Upon the outer side of this rail, and extending longitudinally and preferably in the center thereof, is a bead, *b*, which is perforated with several screw-holes, *c*.

A clamp, C, has a groove, *d*, in its interior face, corresponding with the bead *b*, and extending through the clamp and the groove are screw-holes *e*, corresponding in number and position with the screw-holes *c*.

D are screws or equivalent means adapted to pass through the back quarter-curtains and into the shifting-rail B, by means of which the lower extremity of the back quarter-curtains may be securely held in place with any desired tension.

It is apparent that this clamp described may be made with small hooks or points or serrations, or the rear side of the shifting-rail may be constructed in a similar way, instead of employing the bead *b* and the groove *d*, without departing from the spirit of this invention.

It is also apparent that the shifting-rail need not be bent around to the rear, as described; but the same effect may be produced by securing the back quarter-curtains by means of the clamp directly upon the rear of the seat-back or upon some fixture secured directly to the same.

In the use of this invention one of the back quarter-curtains may have become either contracted or stretched in use, and it is desired to have a better tension of the same. The screws D being loosened, the lower extremity of the back quarter-curtains may be pulled down in any convenient way to the point desired, and the clamp C, with such screws or their equivalents, will hold the back quarter-curtains in the precise position desired.

While this device is intended mainly for removable tops and for those of cheap construction, it is apparent that the same may be used without any new invention for calash-tops.

Among the advantages which this improvement possesses over the old method of fasten-

ing the back quarter-curtains by means of buttons may be enumerated that of fastening the curtain along its entire width, whereby the strain comes upon every part, and not upon a few points, where buttons are usually placed, and, principally, the great convenience effected in the means of tightening the curtains at any time when it becomes desirable.

Having thus described this invention, what is claimed as new therein, and desired to be secured by Letters Patent, is—

1. The combination of the shifting-rail B

and the clamp C, constructed and arranged to operate substantially as described.

2. The combination of the quarter-curtains A, the shifting-rail B, and the clamp C, substantially as and for the purposes set forth.

This specification signed and witnessed this 15th day of January, 1880.

CHARLES FOCKLER.

Witnesses:

MONROE M. CADY,
C. N. PACKARD.