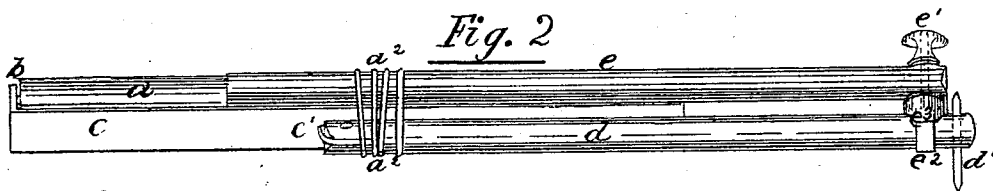
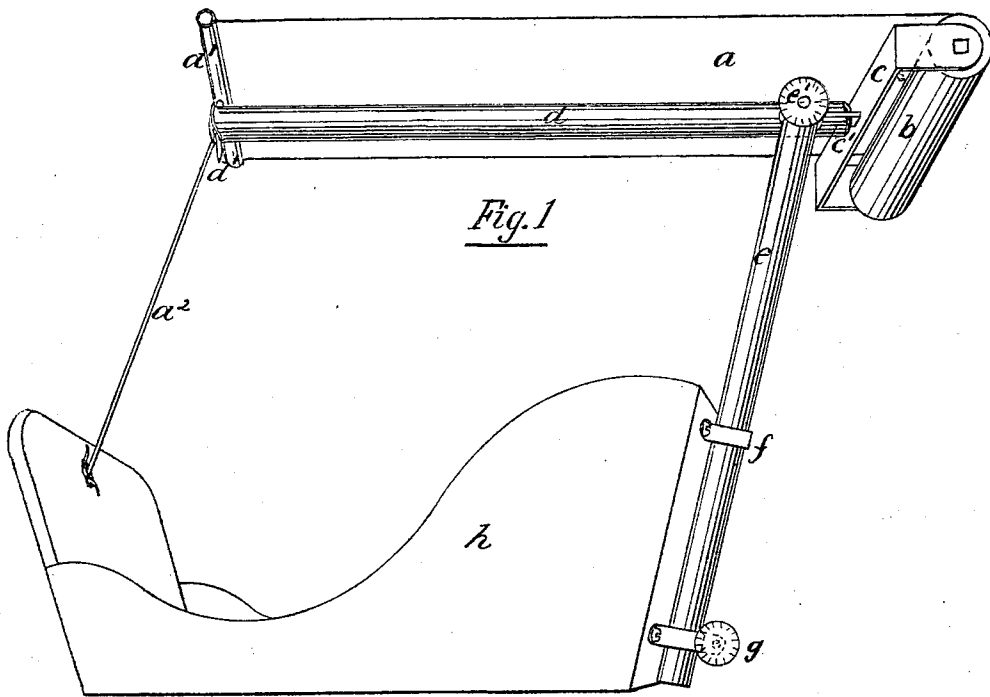


W. P. FERGUSON.
Canopies for Carriages.

No. 148,555.

Patented March 17, 1874.



Scale. 1 2 FEET

Witnesses:

Alfred H. Smith
S. Connor

Wm P Ferguson
Inventor.

UNITED STATES PATENT OFFICE.

WILLIAM P. FERGUSON, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN CANOPIES FOR CARRIAGES.

Specification forming part of Letters-Patent No. 148,555, dated March 17, 1874; application filed October 30, 1873.

To all whom it may concern:

Be it known that I, WILLIAM P. FERGUSON, of Brooklyn, in the county of Kings and State of New York, have invented an Adjustable Canopy for Carriages, of which the following is a specification:

The object of my invention is to make a canopy or awning which shall be adjustable in all ways and occupy very little space when folded for transportation, &c., at the same time being readily opened and put into position.

This I accomplish by a spring-roller and curtain or shade pivoted centrally at the end of a rod, said rod being secured in such a manner at the end of a vertical rod that it may be clamped thereto and held firmly at any angle and at any part of its length by a thumb-screw; and it may be folded up so that all the parts lie close together without disconnecting any of the joints.

But, to describe my invention more particularly, I will refer to the accompanying drawings forming part of this specification.

Figure 1 is a perspective view, showing the under side of the curtain or shade when opened; and Fig. 2 represents the canopy as folded for transportation, &c.

h represents the body of the carriage, to the back of which are fastened the eye or ring *f* and clamping-ring *g*. Through the rings *f* and *g* is passed the vertical rod *e*, the upper end of

which is provided with a joint, consisting of a screw, with a ring, *e*², formed at one end of it, and a binding-plate, *e*³. The rod *d* passes through the ring *e*², and one side of the binding-plate *e*³ is made to conform to the shape of the rod *d*. The thumb-nut *e*¹ secures the rod *d* at any angle it may be placed to the rod *e*. One end of the rod *d* is pivoted to the center of the frame *c*, in which revolves the spring-roller *b*. The curtain or shade *a* is fastened to the roller *b*, and the other end of it is sewed around the rod *a*¹ provided with a hole in the center of it lengthwise, through which the pin *d'*, fixed in the rod *d*, passes, so as to hold the curtain or shade *a* open against the action of the spring in the roller *b*, which would tend to roll the curtain up. The string *a*² is tied to the rod *a*¹, and is passed back and forth over the pin *d'*, to more securely hold the rod *a*¹ on the pin *d'*. From thence it is carried down and secured to the dash-board.

The rods *a*¹, *d*, and *e* may be made of wood or metal tubing.

I claim—

The spring-roller *b* and shade *a*, in combination with the adjustable rods *d* and *e*, all constructed to operate substantially as hereinbefore set forth.

Witnesses: WM. P. FERGUSON.

ALFRED SHEDLOCK,
S. CONNOR.