

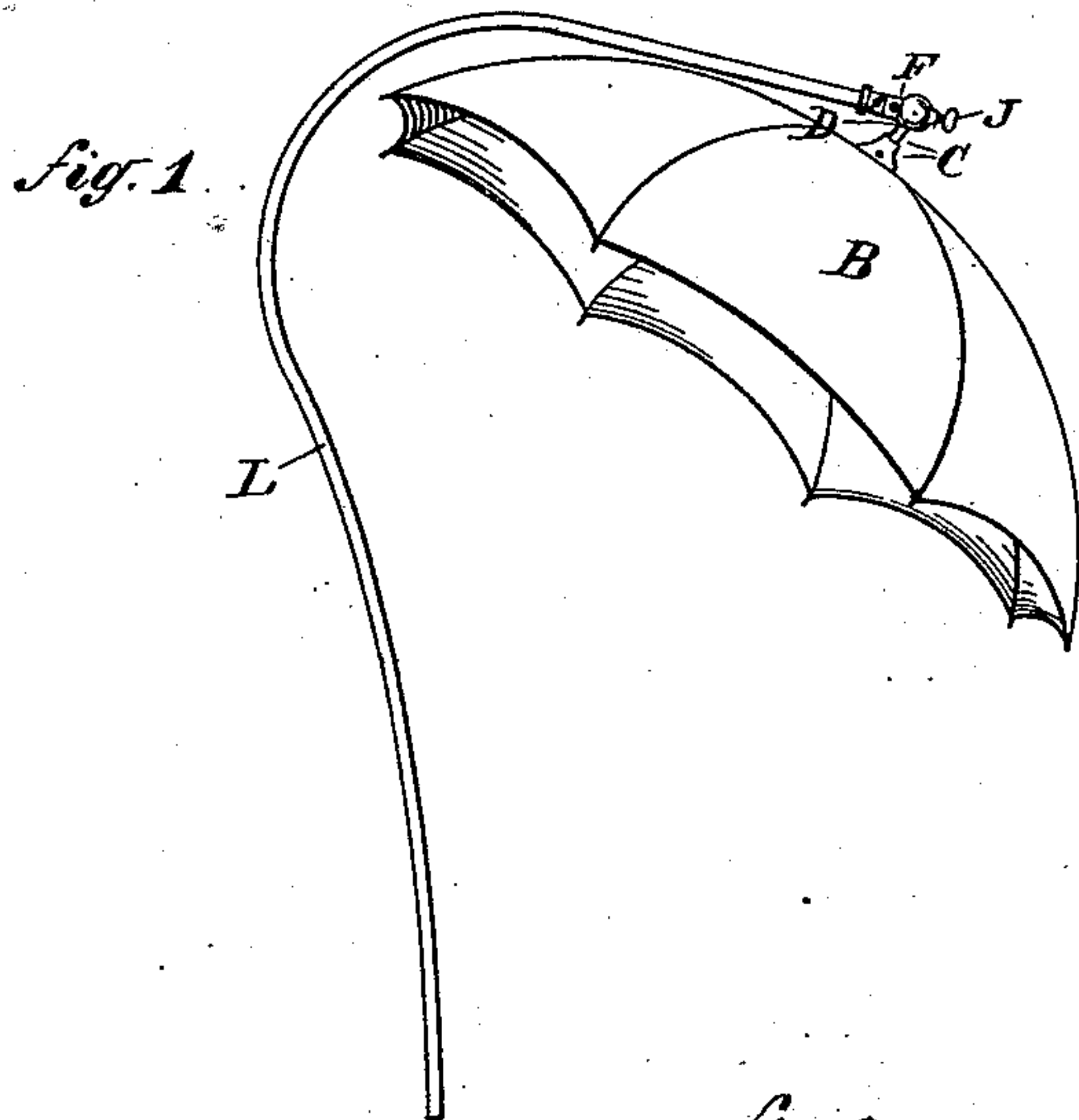
(No Model.)

H. EICHLING.

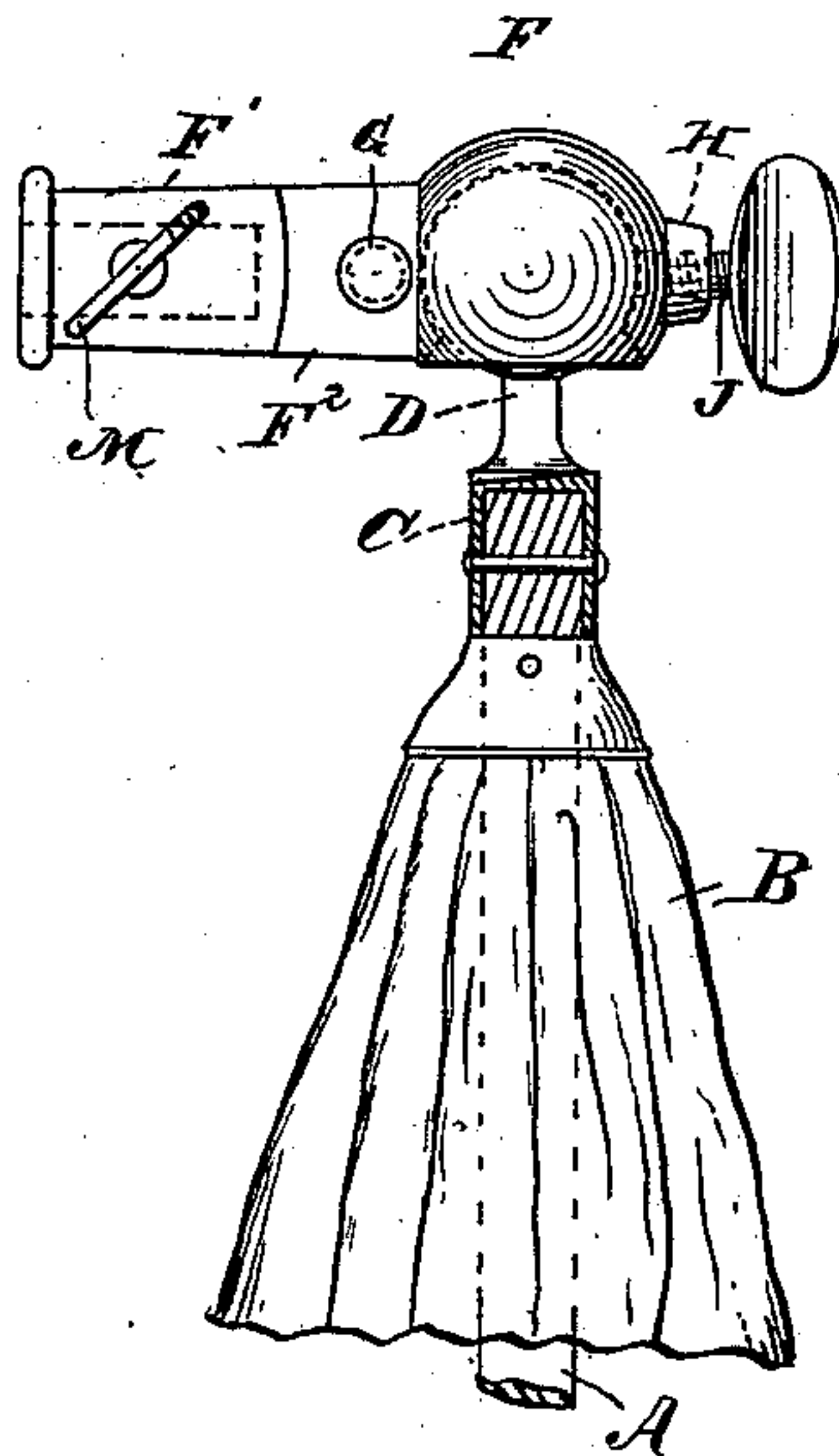
CANOPY HOLDER FOR CHILDREN'S CARRIAGES.

No. 299,631.

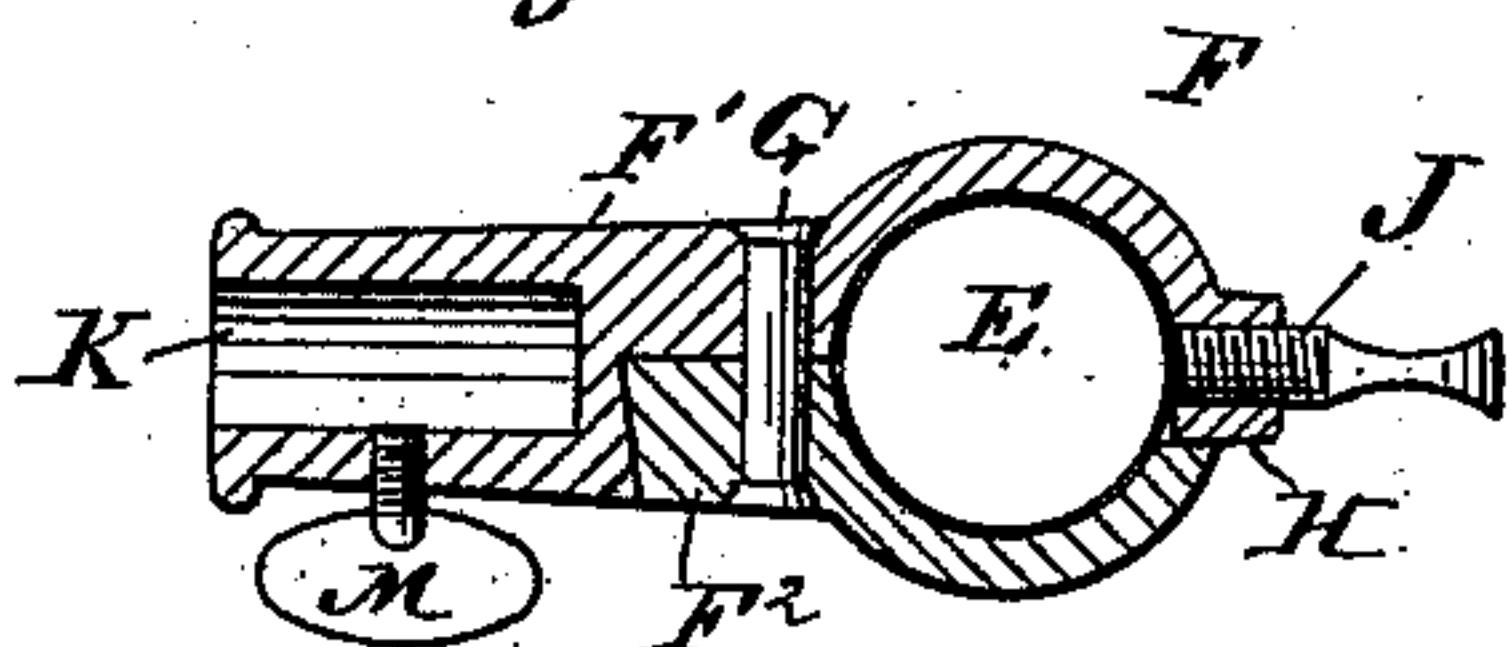
Patented June 3, 1884.



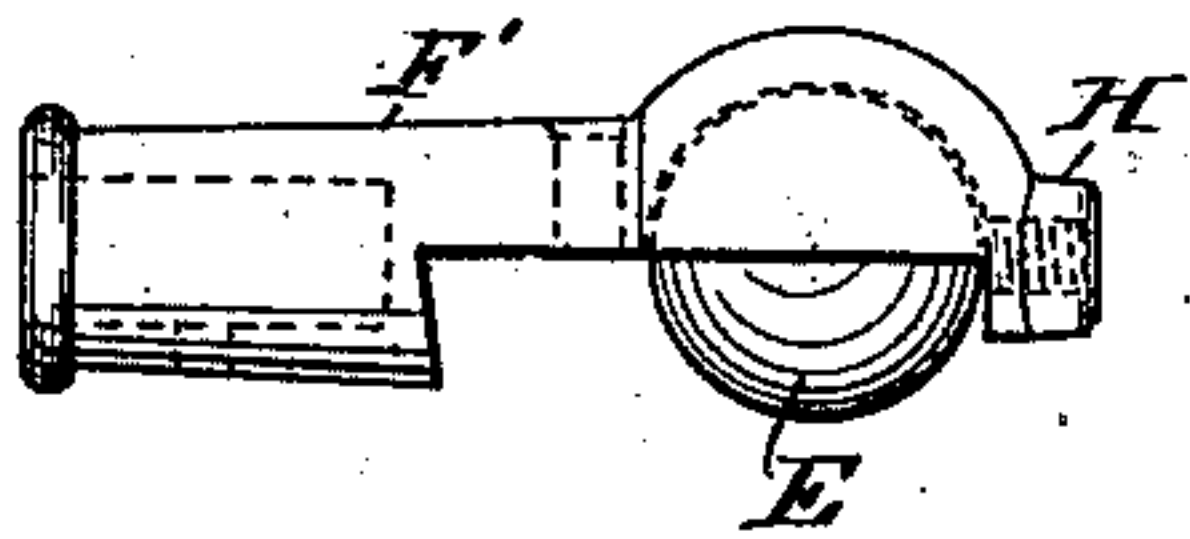
*Fig. 2.*



*Fig. 3.*



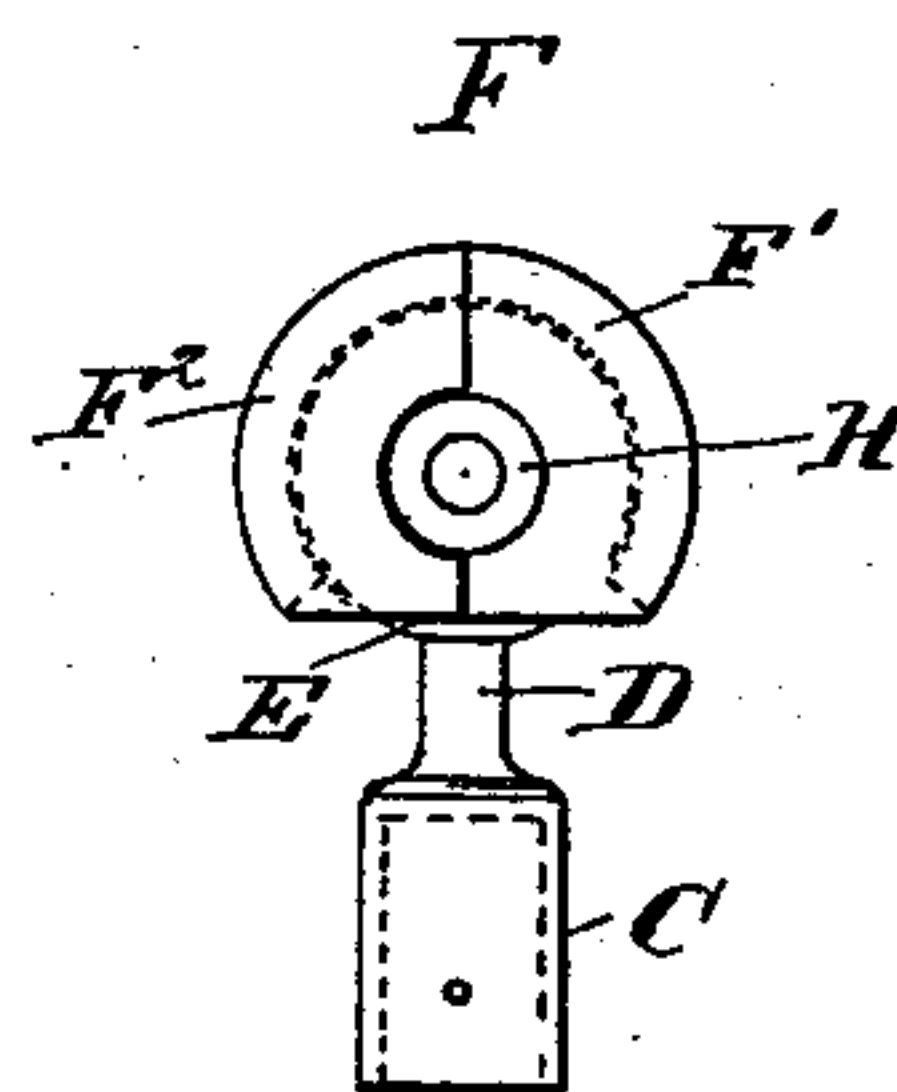
*Fig. 4.*



*Fig. 5.*



*Fig. 6.*



Witnesses:  
*Otto Janssen*  
*Shwartz Feldstein*

Inventor  
*Henry Eichling*

# UNITED STATES PATENT OFFICE.

HENRY EICHLING, OF NEW YORK, N. Y.

## CANOPY-HOLDER FOR CHILDREN'S CARRIAGES.

SPECIFICATION forming part of Letters Patent No. 299,631, dated June 3, 1884.

Application filed July 27, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY EICHLING, of the city, county, and State of New York, have invented certain new and useful Improvements  
5 in Canopy-Holders for Baby-Carriages; and I declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings of the same.

The object of my invention is to provide a  
10 new and improved device for holding the parasol, canopy, or umbrella of a carriage on the end of the rod for supporting it in such a manner that the inclination of the said umbrella can be adjusted readily and rapidly  
15 toward the front, rear, or sides, as may be desired, or as circumstances may require.

The invention consists in a canopy-holder permanently secured to the canopy or umbrella, and adapted to be fastened to or held  
20 on the end of the rod for supporting the canopy.

The invention further consists in constructing this holder with a ball-and-socket joint having a binding-screw acting directly on the  
25 surface of the ball, for the purpose of locking the canopy in the desired position.

The invention also consists in other parts and details, as will be fully described and claimed hereinafter.

30 In the accompanying drawings, in which like letters of reference indicate like parts, Figure 1 is a perspective view of the canopy, the holder, and the rod on which it is held. Fig. 2 is an enlarged side view of the holder, parts  
35 being shown in section. Fig. 3 is a sectional plan view of the holder. Fig. 4 is a plan view of the same, a part being removed. Fig. 5 is a plan view of the removed part. Fig. 6 is a front end view of the holder.

40 The upper end of the short central rod, A, of the umbrella or canopy B is passed into a ferrule, C, in which it is firmly secured, so that the said ferrule will be permanently fastened to the umbrella or canopy frame. A  
45 stem, D, is formed on the upper end of the ferrule, on the free or upper end of which is formed a ball, E, of a ball-and-socket joint is formed. The socket F is formed of two parts, F' F<sup>2</sup>, held together by a rivet, G, so that they  
50 embrace the ball E in such a manner that it

can rotate freely in the socket, but cannot be withdrawn from the same. The bottom of the socket is cut away to allow a free movement of the stem D.

On the outer end of the socket part F' a  
55 threaded neck, H, is formed, in which a binding-screw, J, preferably provided with wings, is secured. The opposite inner end of the part F' is provided with a recess or cavity, K, for receiving the end of the rod L, on the  
60 end of which the umbrella or canopy is to be held or suspended. The part F' is provided with a binding-screw, M, for binding the part F' on the rod L; or the end of the rod L can be made tapering, and the cavity K must then  
65 be formed accordingly, so that the socket will hold on the rod by simply being forced on it, and without the use of the binding-screw. The stem D and the ferrule C can be adjusted  
70 to have any desired inclination to the socket, and can be locked in the desired position by the screw J, the end of which is forced and pressed against the surface of the ball by  
75 screwing it farther into the threaded neck H. If desired, the part F can also be turned on its longitudinal axis on the end of the rod L, and locked in the desired position by the  
80 screw M.

The holder is never detached from the umbrella or canopy, which is a matter of considerable importance, as the canopy frames and coverings are ruined and soiled very much by  
85 being handled while securing them to devices on the end of the rod L. With my improved holder all that is necessary is to pass the part F over the end of the rod L and turn the  
90 screw M.

I am aware that canopy-holders have been constructed with ball-and-socket joints; but  
95 in those cases the ball is held in the desired position by clamping the sides of the sockets against the surface of the ball by means of a clamping-screw, and that necessitates very fine and accurate workmanship in the joint, thus making it very expensive. As I hold the ball  
100 by the binding-screw, a fine and accurate finish of the joint is not necessary, and thus the cost of the same is reduced. Furthermore, the above-mentioned ball-and-socket-joint holder used heretofore is so constructed that



two balls are clamped in one double socket by one screw, thus requiring some skill and considerable labor in adjusting the umbrella.

Having thus described my invention, what I  
5 claim as new, and desire to secure by Letters Patent, is—

1. In a canopy or umbrella holder, the combination, with the socket F, provided with a threaded neck, H, at one end, and a cavity, K,  
10 at the opposite end, of the binding-screws J M and the ball E, connected with the canopy or umbrella, substantially as herein specified.

2. In a canopy or umbrella holder, the combination, with a socket, F, of the ball E, united with a ferrule, C, secured permanently with a  
15 canopy or umbrella, and of the binding-screw J, substantially as herein specified.

HENRY EICHLING.

Witnesses:

OTTO JANSOHN,  
THEODORE FELDSTEIN.