

(No Model.)

G. LEVERETT & J. RAMSAY.
SASH HOLDER.

No. 514,328.

Patented Feb. 6, 1894.

Fig. 1.

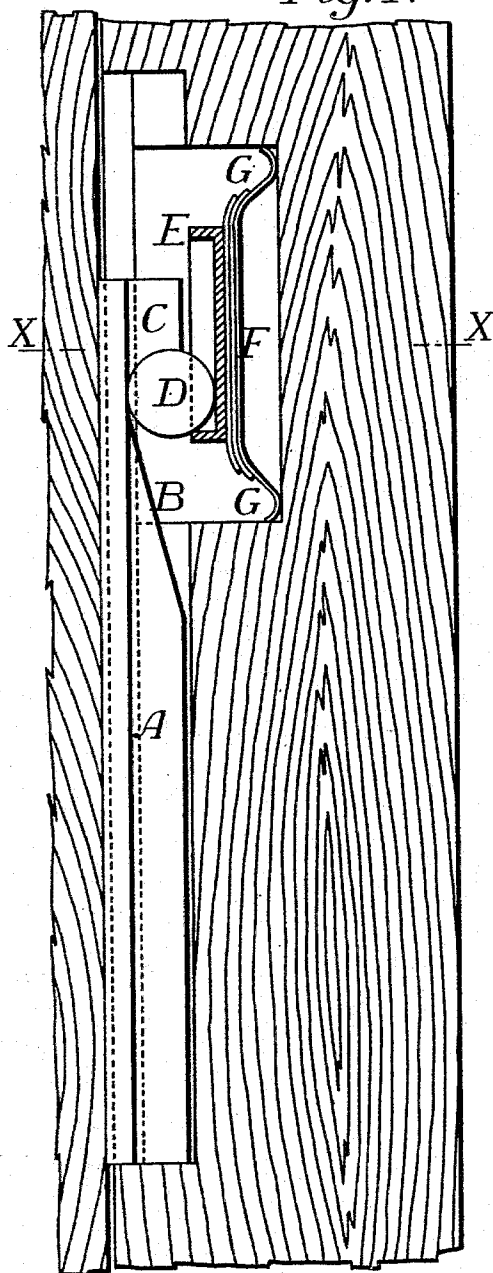
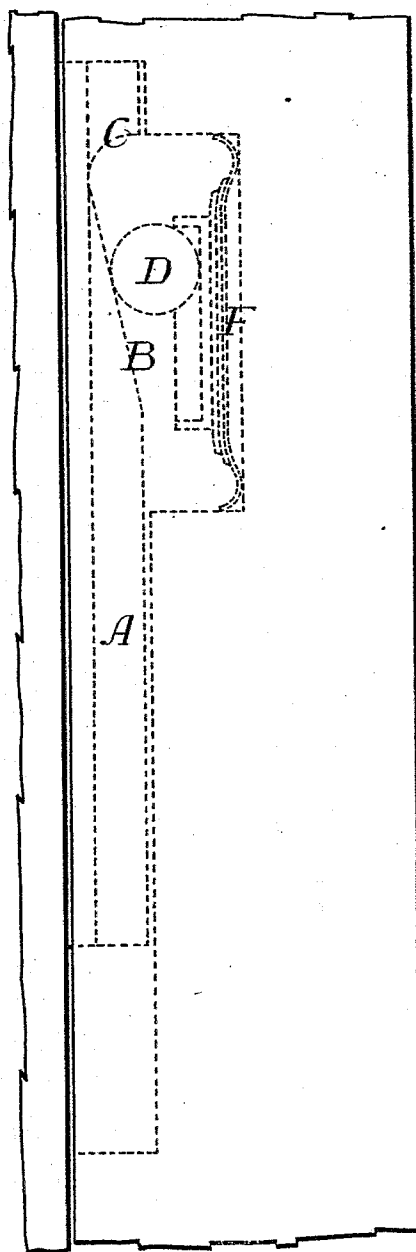


Fig. 2.



Witness:
E. A. Green
James B. Smith

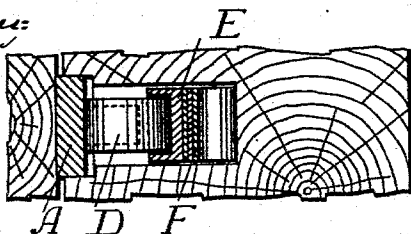


Fig. 3. Inventors:
George Leverett.
John Ramsay.
By James L. Morris, Atty.

UNITED STATES PATENT OFFICE.

GEORGE LEVERETT AND JOHN RAMSAY, OF DURBAN, NATAL, ASSIGNORS
OF ONE-THIRD TO HARRY ESCOMBE, OF SAME PLACE.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 514,328, dated February 6, 1894.

Application filed September 11, 1893. Serial No. 485,267. (No model.)

To all whom it may concern:

Be it known that we, GEORGE LEVERETT and JOHN RAMSAY, citizens of Great Britain, both residing at Durban, in the Colony of Natal, have invented a new and useful Improvement in Sash-Holders, of which the following is a specification.

This invention relates to sash holders of the kind in which a roller, contained in a recess cut in the edge of the sash frame, bears against the inclined face of a rubber free to slide to a certain extent within the recess, so that, when the sash tends to descend, the roller descending along the inclined back of the rubber presses the rubber outward against the window frame, exerting friction in the manner of a brake, sufficient to prevent the sash from descending by its own weight, but not enough to prevent it from being pushed down.

A sash holder according to the present invention is shown in the accompanying drawings Figure 1 being a section showing the position of the parts when the sash is being raised, and Fig. 2. an elevation showing their position when the weight of the sash is supported. Fig. 3 is a sectional plan on X X.

A is the rubber which is of T section having its back rib cut to form an incline B and a shoulder C. The roller D is interposed between the inclined back B of the rubber A and a cradle E which has ends projecting outward to form stops limiting the up and down movement of the roller D. The cradle E has attached to its back a spring F consisting, preferably, of several superposed plates like a carriage spring, the innermost plate of which has its ends G bent into semicircular

shape with the round backs of the bends bearing against the back of the recess in the sash frame in which it is lodged. The rubber A which may be of wood faced with metal, has as shown the shoulder C formed above the inclined part B of its back, this shoulder resting upon the roller D when the rubber is in the lowest position which the depth of the recess permits it to take as shown in Fig. 1. When the rubber is in the position shown in Fig. 1, the lower end of the rubber rests against the lower end of the recess formed in the sash-frame for its reception, in such manner that when the sash is raised the lower end of said recess acts upon the rubber and carries the latter upward.

A sash holder of this kind is especially applicable to the windows of railway and other carriages, but it may also be applied to sashes generally.

Having thus described the nature of this invention and the best means we know for carrying the same into practical effect, we claim—

In a sash holder, in combination with the rubber A having an inclined back B and the roller D, the cradle E and spring F substantially as herein described.

In testimony whereof we have signed our names to this specification, in the presence of two subscribing witnesses, this 2d day of August, A. D. 1893.

GEO. LEVERETT.
JOHN RAMSAY.

Witnesses:

E. C. RAINSBURY,
JAMES STEVENSON,
Clerks to Mr. Harry Escombe, of Durban,
Solicitor.