

S. S. FARGO.

Improvement in Devices for Balancing Sashes.

No. 131,055.

Patented Sep. 3, 1872.

Fig. 1.

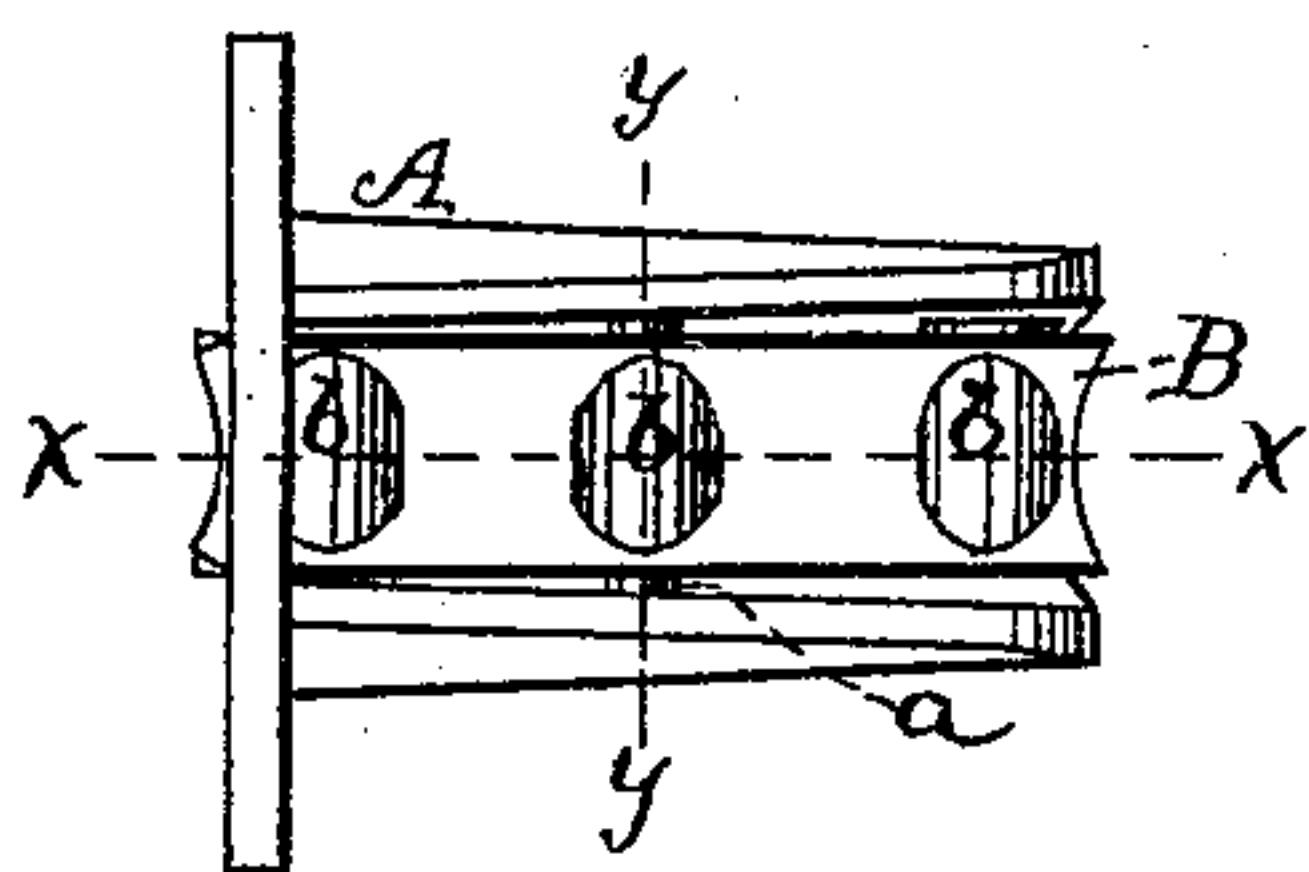


Fig. 2.

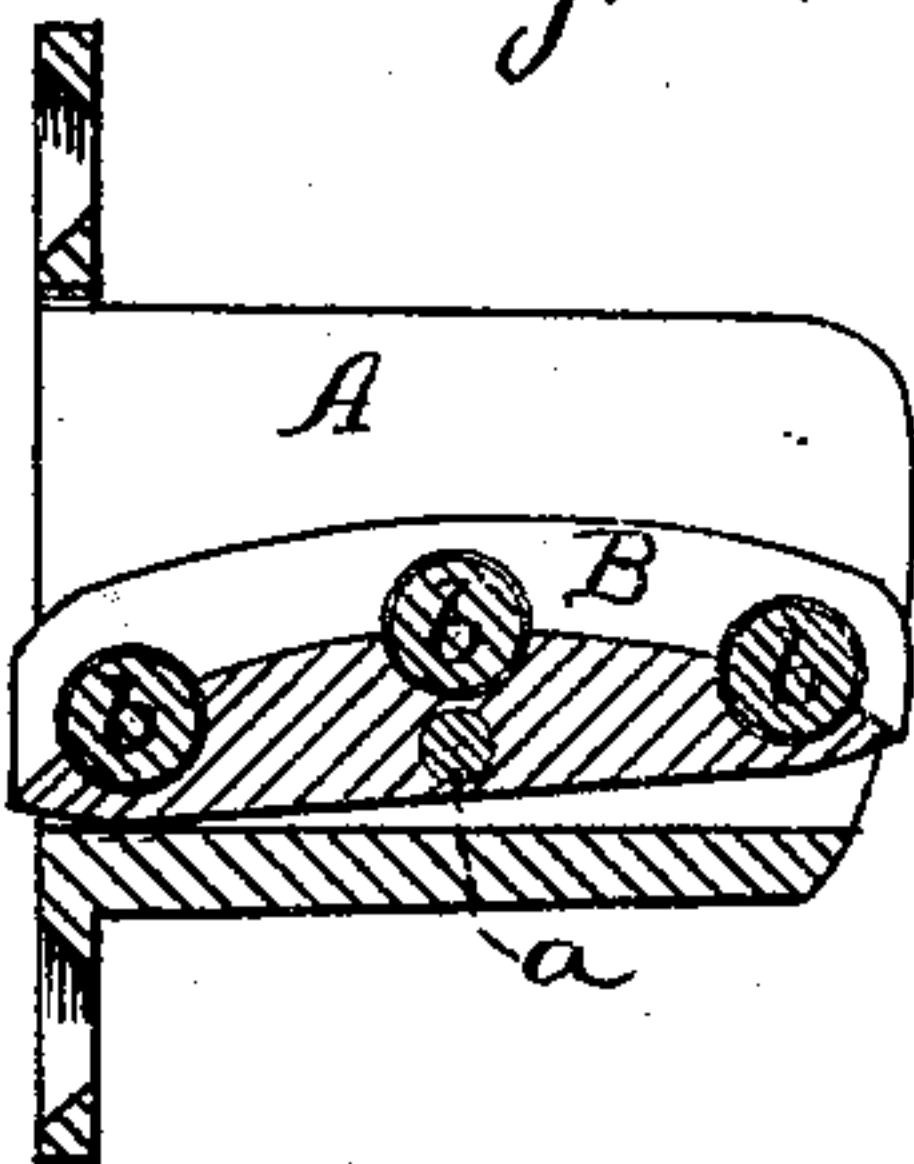
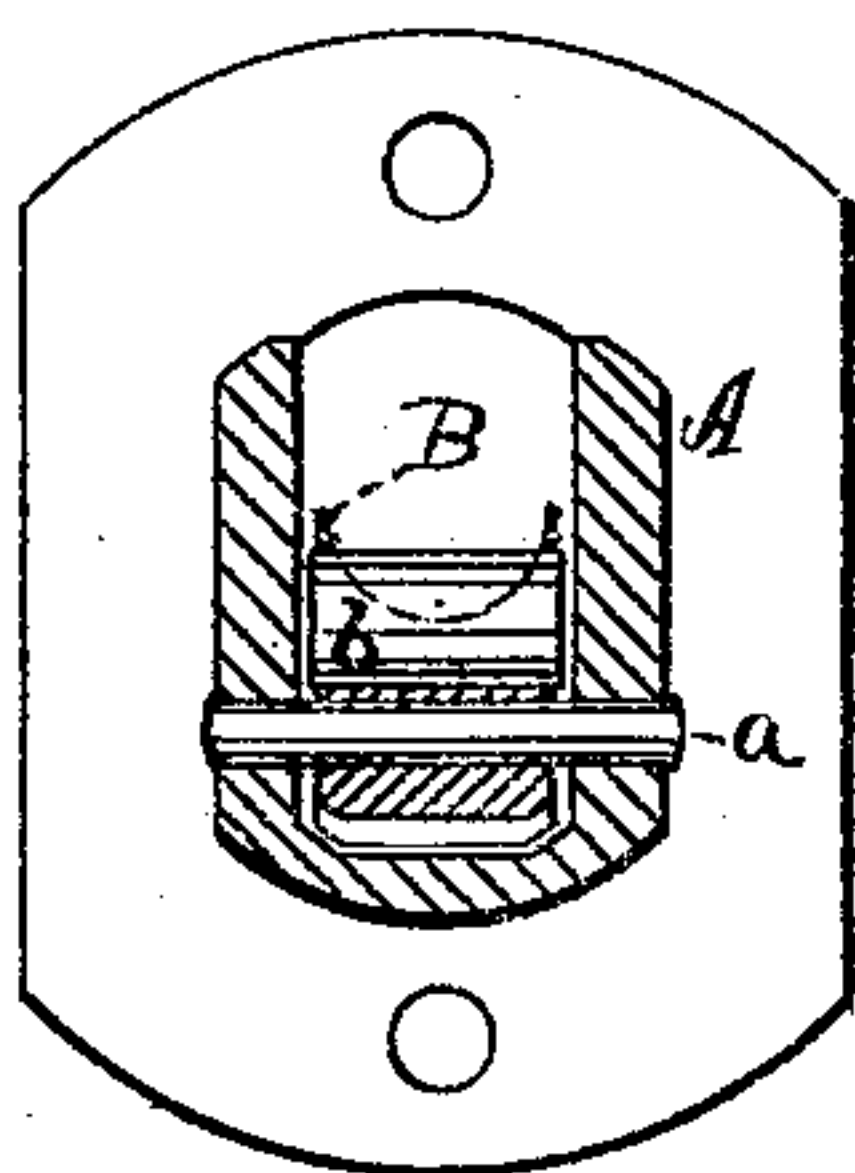


Fig. 3.



Witnesses  
Henry Ward  
Miles L. Peck

Inventor  
Samuel S. Fargo.  
By James Shepard Atty.

# UNITED STATES PATENT OFFICE.

SAMUEL S. FARGO, OF BRISTOL, CONNECTICUT.

## IMPROVEMENT IN DEVICES FOR BALANCING SASHES.

Specification forming part of Letters Patent No. 131,055, dated September 3, 1872.

Specifications describing certain Improvements in Sash-Cord Pulleys, invented by SAMUEL S. FARGO, of Bristol, county of Hartford and State of Connecticut.

My invention consists of the peculiar construction and arrangement of the rollers within the frame, all as hereafter described.

In the accompanying drawing, Figure 1 is a plan view of a sash-cord pulley and its frame which embodies my invention. Fig. 2 is a vertical and longitudinal section of the same on line *xx* of Fig. 1, and Fig. 3 is a vertical and transverse section of the same on line *yy* of Fig. 1.

A designates the pulley frame or shell, which is left open at the top, thereby forming a U-shaped shell, as shown in Fig. 3. B designates an inner frame, a transverse section of which is also of U-shaped form, but of less depth than the frame A, and it is hung within the frame A by means of a pin, *a*. Transversely through the inner frame B are three holes, in which I place straight cylindrical rollers *b b b*, the same being formed of short pieces of wire. The rollers *b b b* are inserted

in the frame B previous to hanging said frame in the shell A.

When the rollers and the inner frame B are secured within the frame A the sides of said frame prevent the rollers from slipping endwise out of place. The rollers are for the cord to pass over, the same as the ordinary sash-cord rollers; but by being smaller the friction is greater, and therefore to balance the sash it requires weights equal to only one-half the weight of the sash, instead of the same weight. It is, of course, evident that the number of rollers for each frame A may be more or less without changing the nature of my invention.

By my invention I produce a pulley which is cheaply made, and in use saves largely in sash-cord weights.

I claim as my invention—

The combination of the cylindrical rollers *b b*, inner frame B, and shell A, all substantially as and for the purpose described.

SAMUEL S. FARGO.

Witnesses:

ELIAS BURWELL,  
DANL. I. GALE.