

H. SEEHAUSEN.  
CURTAIN FIXTURES.

No. 187,422.

Patented Feb. 13, 1877.

Fig. 1.

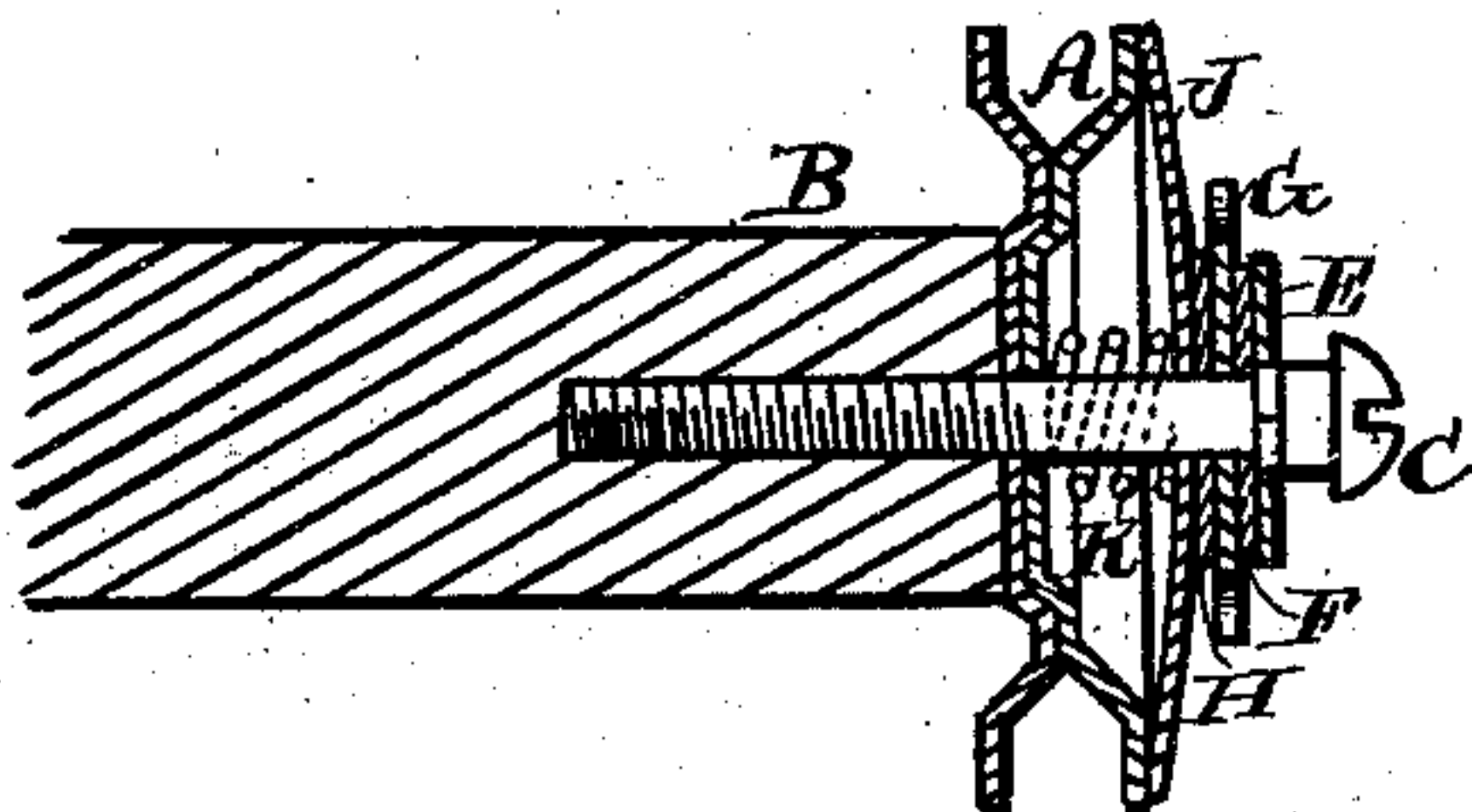


Fig. 2.

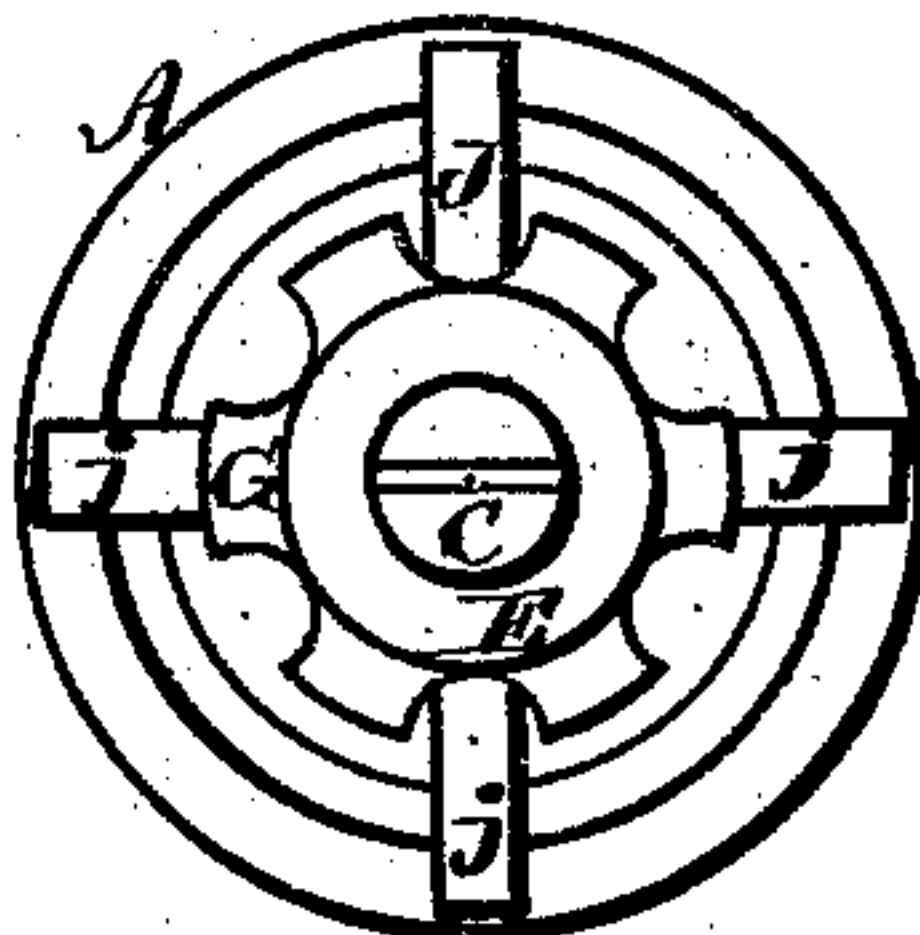


Fig. 3.

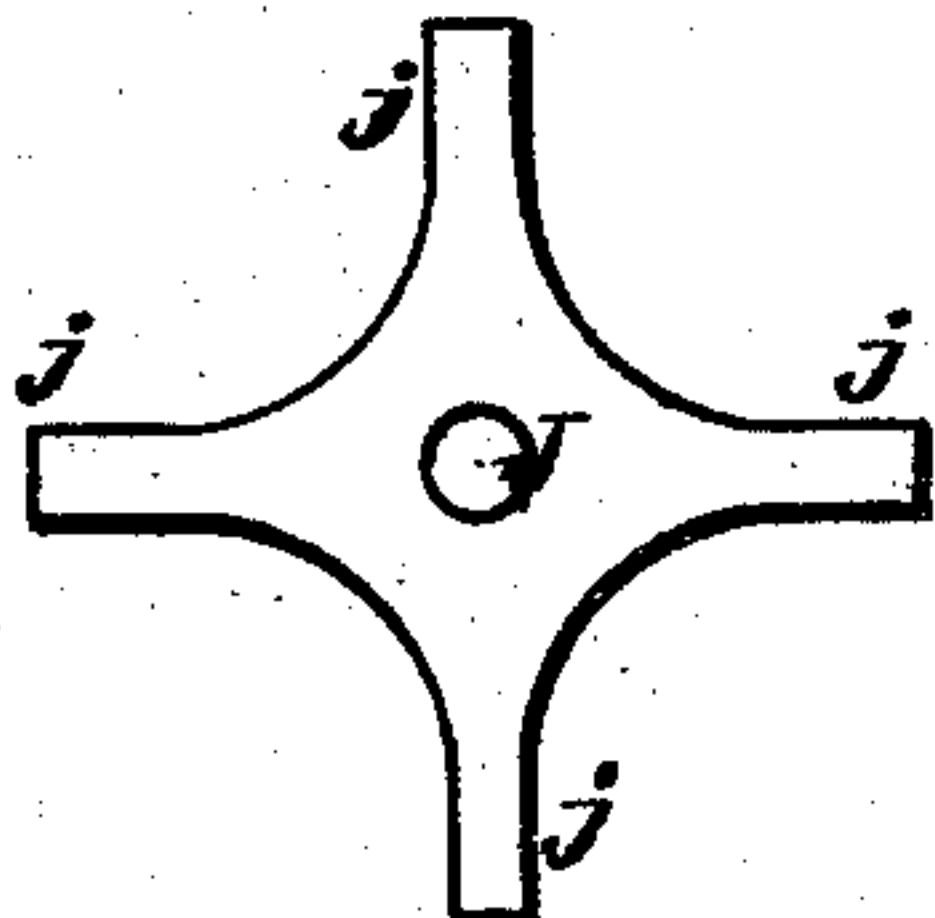


Fig. 4.



Fig. 5.

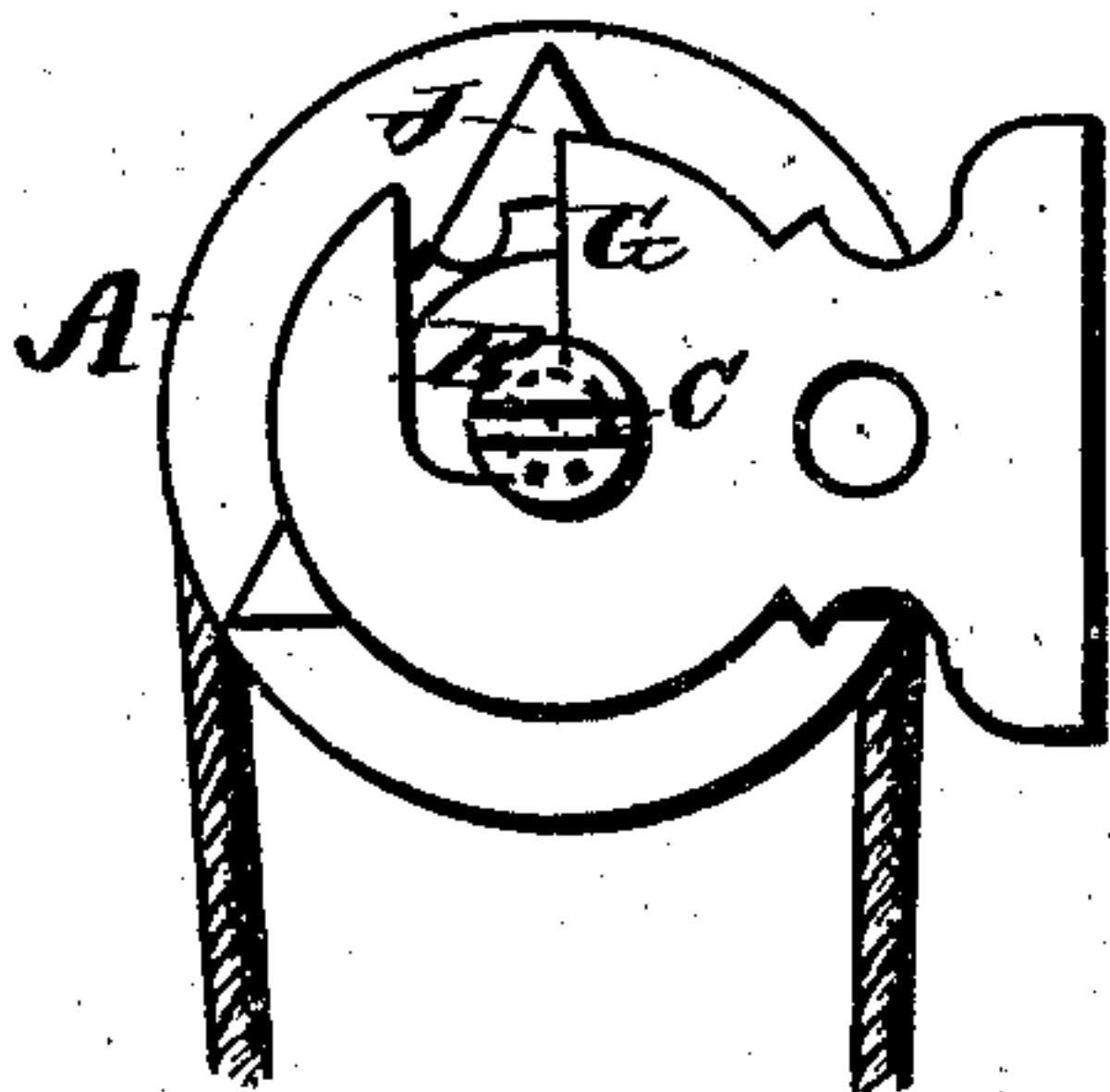
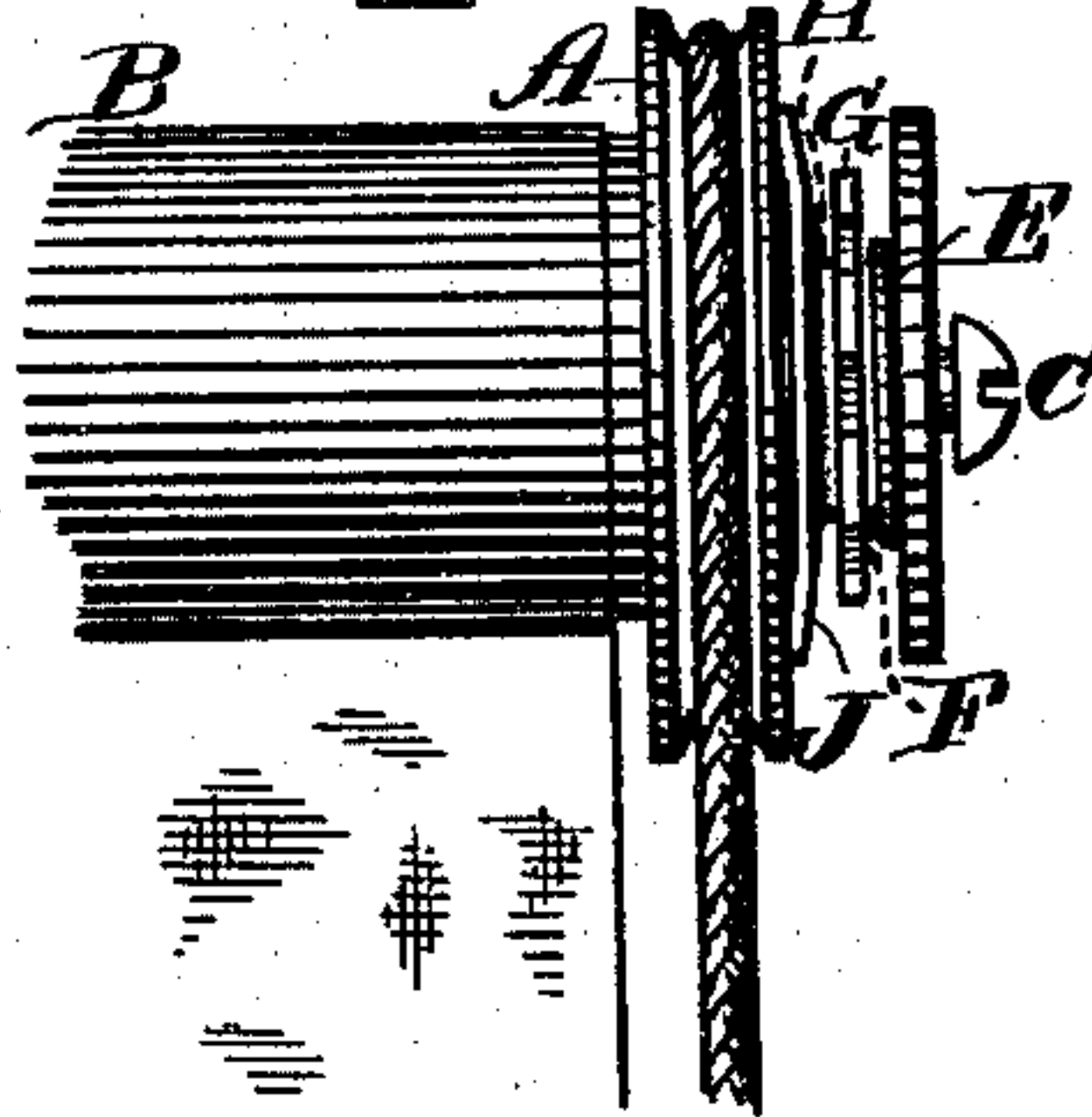


Fig. 6.



WITNESSES:

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HERMAN SEEHAUSEN, OF MEMPHIS, TENNESSEE.

## IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. 187,422, dated February 13, 1877; application filed April 13, 1876.

*To all whom it may concern:*

Be it known that I, HERMAN SEEHAUSEN, of Memphis, in the county of Shelby and State of Tennessee, have invented certain new and useful Improvements in Curtain Fixtures, of which the following is a specification:

The object of this invention is to hold a rolling curtain at any point of elevation desired, in the act of hoisting it by a cord passed over a sheave secured to the curtain-roller.

To this end, therefore, the said invention consists of the following-described parts, shown in the accompanying drawing forming part of this specification.

Figure 1 is a sectional view. Fig. 2 is an end view. Figs. 3 and 4 are views of detached parts. Fig. 5 is an end view. Fig. 6 is a front view.

A is the sheave, preferably formed of two disks of sheet-metal. These disks are dished, as seen in the drawing, and when placed together are secured to the end of the curtain-roller B by a screw, C, which screw forms the journal of the roller. On the said screw are fitted the following-named parts: First, a disk or metallic washer, E, which is secured to said screw, so that it cannot turn independently of it. Next to the disk E is a washer, F, preferably of leather or of some equivalent material other than metal. Next to this leather washer is another disk or washer of metal, G, which turns loosely upon the screw C, and whose edges are notched or serrated. Another leather washer, H, similar to the washer F, comes next. Then follows a piece of flat spring metal, J, composed of a central disk and radial arms, which arms press against the side of the sheave A near its rim. This disk J fits loosely upon the screw C. Lastly, beneath the spring J is a coiled spring, K, which surrounds the screw C, and which is compressed between the spring J and the dished side of the sheave A.

The operation of this device is as follows: When the cord is pulled to elevate the curtain, the screw B rotates in the bracket provided for it, and the notched disk G is held fast from rotating by a projection formed on the bracket. The friction, then, between the several disks of leather and of metal—all kept

in close contact by the reaction of the springs J and K, as adjusted by the distance into the end of the roller, to which the screw C is set—causes the curtain to remain at any point to which it may be elevated.

In lowering the curtain, the friction of these washers has likewise to be overcome. If the curtain be a light one, the coiled spring K may be omitted.

It is obvious that the following modification of the arrangement of the washers and springs may be made without departing from the principle of this invention, viz: The disk E may be extended out to form a disk-spring like the spring J, and be substituted for it, still retaining the square hole through its center, when one of the leather washers will rest directly against the dished side of the sheave, the coiled spring K and a plain washer being interposed or not, as desired.

The journal part of the screw C may be formed of a brass collar, if desired, which can be renewed when worn out, and the disk E may be secured upon the screw C by a square shoulder formed thereon, or by any other suitable means. It is obvious, also, that one side of the bracket supporting the journal C may be employed to take the place of the washer E.

The object of using leather washers, or some equivalent material, is to obtain greater friction with a given amount of surface, and less wear of surface in contact.

Having thus fully described this curtain-fixture as of my invention, I claim—

1. The combination, with the hoisting-sheave of a curtain-roller, of the spring-disk J, provided with arms *j*, in combination with disks E G, washers F H, and screw C, all arranged, constructed, and operating substantially as set forth.

2. The coiled spring K, placed between the sheave A and spring-disk J, substantially in the manner hereinbefore described, and for the purposes set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

HERMAN SEEHAUSEN.

Witnesses:

M. B. TREZEVANT,  
HUNSDON CARY.