W. J. WELLS.

Improvement in Curtain-Fixtures.

No. 131,318. Patented Sep. 10, 1872.

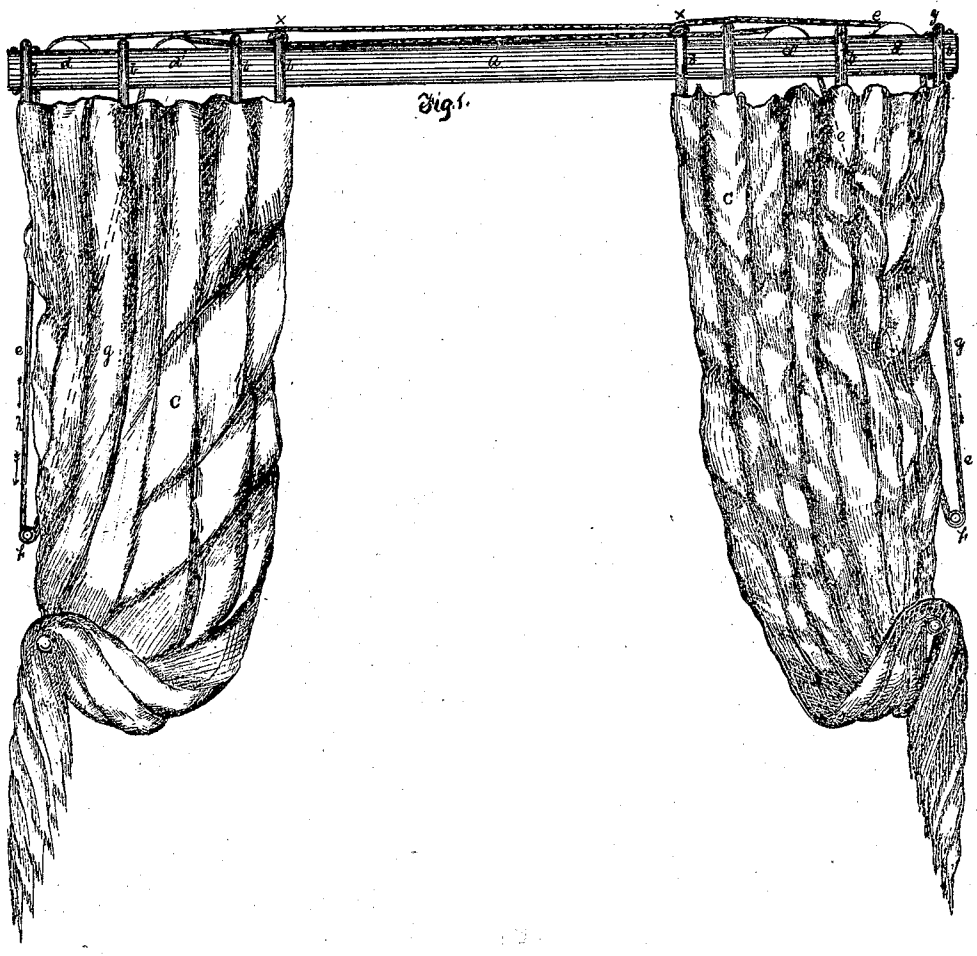

Fig. 1.

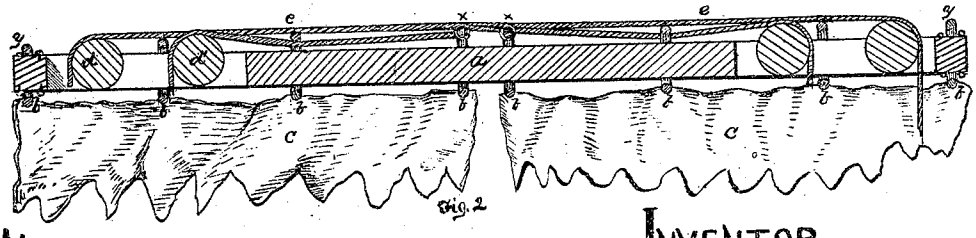

Fig. 2

WITNESSES

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UNITED STATES PATENT OFFICE.

WILLIAM J. WELLS, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. **131,318**, dated September 10, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, WILLIAM J. WELLS, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Curtain-Fixture; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing which forms a part of this specification, and in which—

Figure 1 is a front elevation of my improved curtain-fixture, illustrative of its operation. Fig. 2 is a vertical section of the same, showing the operative parts.

Like letters of reference indicate like parts in each.

My invention appertains to devices for drawing and withdrawing window and other curtains. To enable others skilled in the art to make and use my invention, I will describe its construction and mode of operation.

I fasten a rod, *a*, to the top of a window-frame in any convenient way, the fastening being made at the ends of the rod. On this rod are a number of rings, *b*, which slide loosely along the rod, and to which are fastened the curtains *c*. In each end of the rod are two small pulley-wheels or rollers, *d d'*, over which the cord *e* passes. The cord *e* by which the curtains are operated is continuous throughout, so that starting at the knob *f* it passes up over the wheel *d*, thence along the top of the rod *a* until it reaches the inner ring *b* of the adjacent curtain, to which it is fastened as at *x*; thence to and around the other wheel *d*; thence down around the knob *f'*; thence up and around the adjacent wheel *d'* along the rod to the inner ring of the other curtain, to which it is fastened as at *x'*; and from there around the other wheel *d'* down to the knob *f*, where the two ends are fastened together. The outer rings of the curtains are fastened to the ends of the rod *a*, as at *y y*, to prevent them from moving when the curtain is drawn. If the cord is drawn down, as indicated by the arrows at *g g*, on either side of the window the curtains will be withdrawn from before the window. If drawn down as indicated by the arrows at *h h*, the curtains will be drawn as shown in Fig. 2. Only the inner rings of the curtains are attached to the cord *e*, for reasons which are obvious. The rod *a* may be of various thicknesses, depending upon the material used in its construction, the weight of the curtains upon it, and the size of the rollers *d d'*.

By my improvement the curtains can be opened at the top with ease and celerity, and, for the purpose of washing the window, may be drawn back until they are entirely clear of the window and stand in front of the frame. Also, the windows and inside shutters may be manipulated without danger to the curtains. Thus it will be seen that my improvement obviates the objections to the ordinary method of hanging curtains, while it affords a protection to the curtains.

This apparatus may be used for curtains of other kinds, such as cabin curtains. It can also be used for a single curtain as well as double ones, as shown.

What I claim as my invention, and desire to secure by Letters Patent, is—

The wheels *d d'*, arranged in the rod *a*, in combination with an endless cord, *e*, passing over them and attached to the rings *b*, so as to operate both curtains by a single motion imparted to the cord, substantially as described.

In testimony whereof I, the said WILLIAM J. WELLS, have hereunto set my hand.

WM. J. WELLS.

Witnesses:

A. S. NICHOLSON,

THOS. B. KERR.