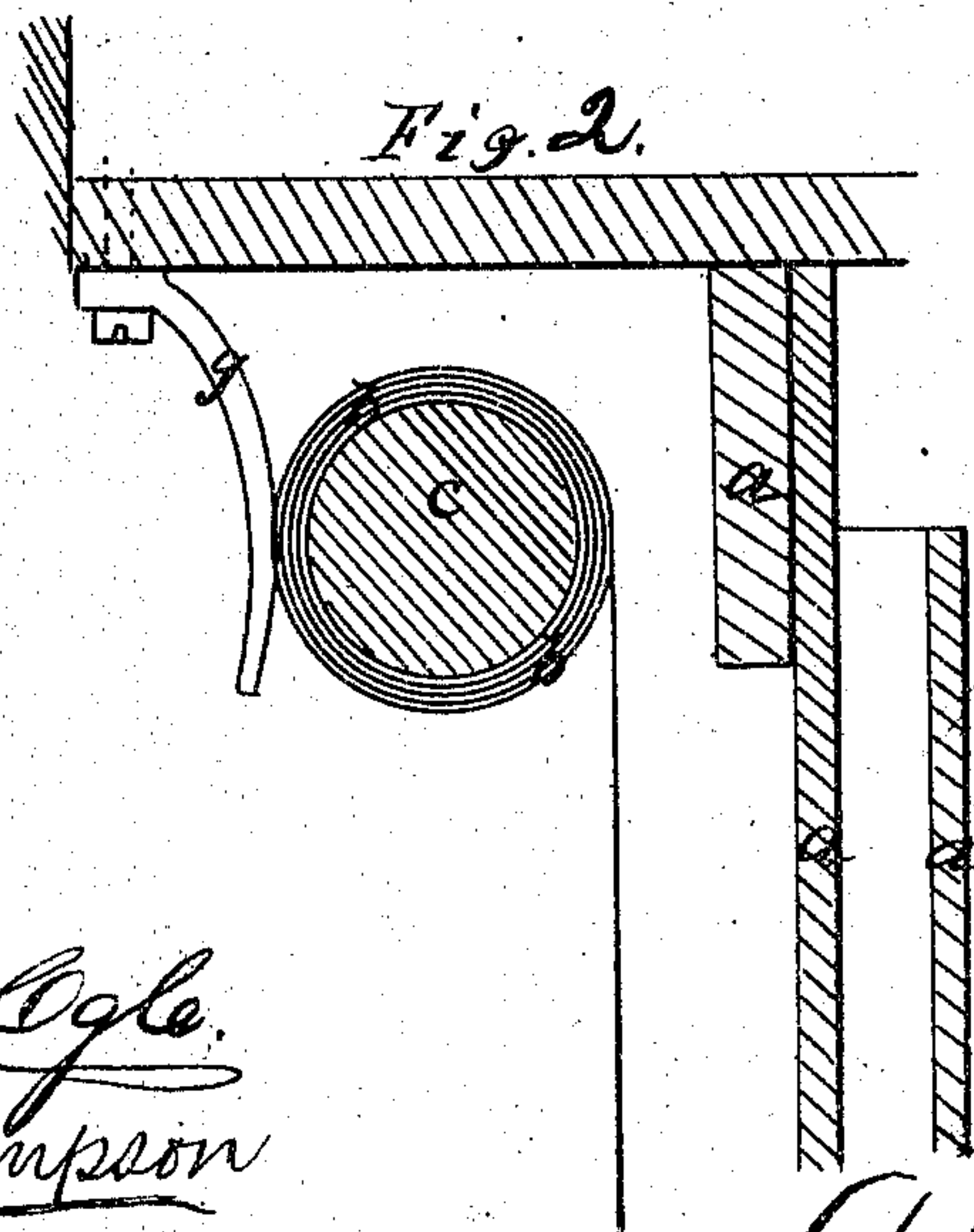
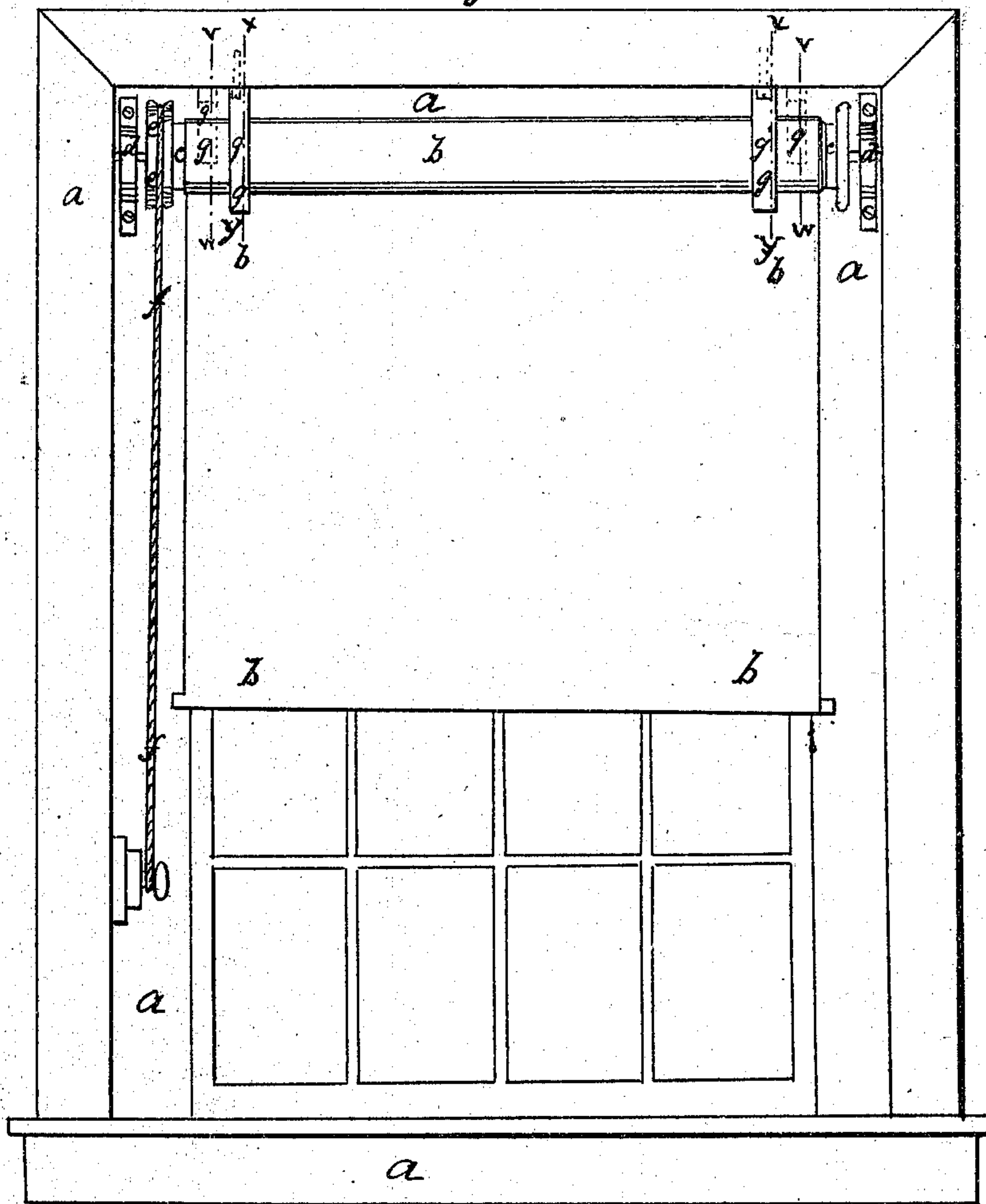


A. Young. Curtain-Fixtures.

N^o 75821

Fig. 1. Patented Mar. 24, 1868



Witnesses.

Samuel C. Cyle.
Frank S. Simpson

Inventor.

Alfred Young

United States Patent Office.

ALFRED YOUNG, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 75,821, dated March 24, 1868.

IMPROVED CURTAIN-FIXTURE.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, ALFRED YOUNG, of the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Window-Shades, which are raised and lowered by means of cylindrical rollers. I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, which I hereby make part of this specification, in which—

Figure 1 is a front elevation.

Figure 2 is a section through *x y* of fig. 1.

In the drawings, like figures refer to like parts.

a a a a represent the ordinary window-frame; *b b b b*, the curtain to be raised and lowered; *c c*, the roller; *d d*, brackets supporting the roller; *e e*, the pulley; *f f*, the cord; *g g*, springs fastened to frame of window and bearing upon curtain.

I now proceed to describe the operation of this improvement. I place the springs *g g*, one at each end of roller, or more, if necessary, in such manner that they bear upon the curtain prevent any looseness in winding, and keep it evenly strained, so that it is caused to roll up smooth, even, and straight, and prevented from riding over the guards at ends, whether the curtain be hanging perpendicular or not. This result will generally be obtained by the simple spring *g g*, as seen in fig. 2. This curved spring fitting around and over the roller, prevents the curtain, where it comes upon the roller, from being raised off the roller, and thus assists in the result.

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

The springs *g g*, fastened to the frame of the window, and bearing upon the curtain in such manner that the curtain will be tightly and evenly strained.

ALFRED YOUNG.

Witnesses:

SAMUEL C. OGLE,
FRANK S. SIMPSON.