

H. B. GINGRICH.
Curtain-Fixtures.

No. 133,641.

Patented Dec. 3, 1872.

Fig. 1.

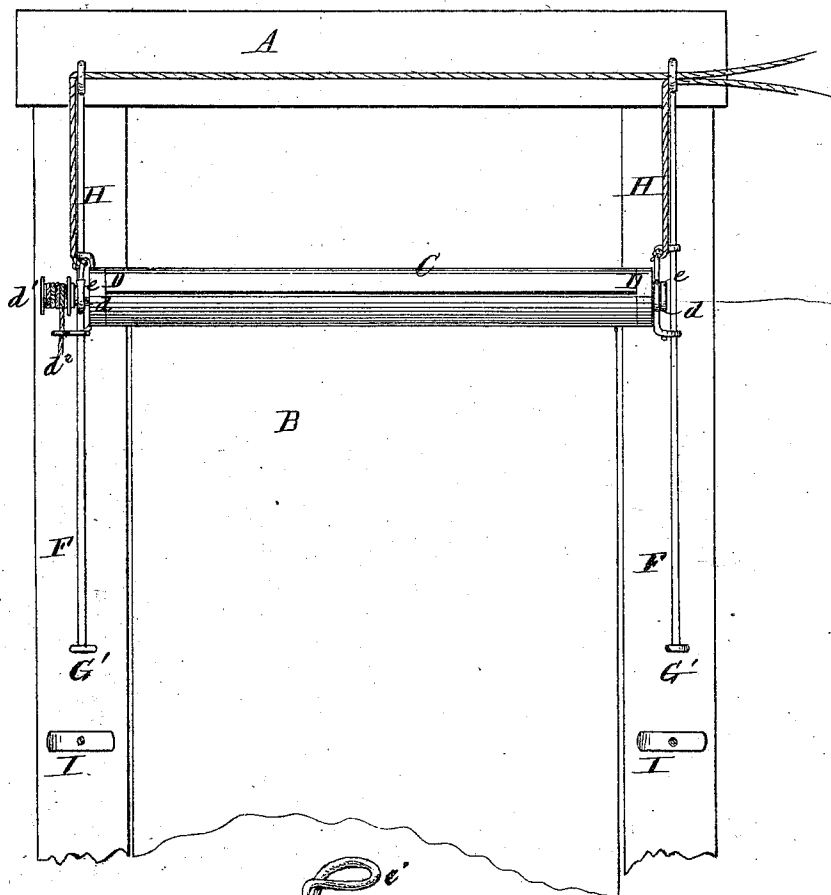
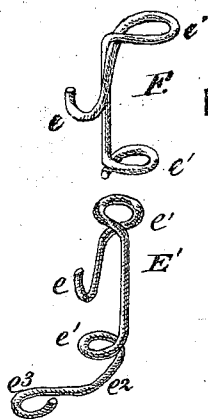


Fig. 2.



WITNESSES.

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HENRY B. GINGRICH, OF BRADFORD, OHIO.

IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. 133,641, dated December 3, 1872.

To all whom it may concern:

Be it known that I, HENRY B. GINGRICH, of Bradford, in the county of Miami and State of Ohio, have invented a new and valuable Improvement in Curtain-Fixtures; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a front view of my invention. Fig. 2 is a detail view of my invention.

This invention has relation to window-curtain fixtures; and it consists in the construction and novel arrangement of devices, whereby the curtain-roller may be adjusted to any desired distance below the top of the window for the admission of light and air, substantially as hereinafter described.

In the drawing, A designates the window-frame; B, the window-curtain; and C, the curtain-roller. The roller is made in two parts, and the curtain secured between them. D designates the roller-caps having spindles *d*. Upon the spindle of one cap is a drum, *d*¹, holding a single cord, *d*², by means of which the curtain is rolled up, the cord being unwound for this purpose. The curtain is unrolled by a cord attached to its lower end, and in unrolling winds up the cord *d*². The spindles *d* are supported upon hooks *e* formed on

rods or wires so bent as to produce brackets E E', having each two eyes, *e*¹ *e*¹. These brackets are attached to vertical bars F, and slide along the same. The bars F are supported by loops G G'. H designates cords tied to the brackets E, and thence carried through the loops G, after which they may be tied together for convenience of manipulation. By these cords the brackets are raised and lowered, and the curtain-roller adjusted as desired. I designates curved elastic plates, which serve to hold the cords, the same being wound behind the plates. The bracket E', besides having the eyes *e*¹, has another, *e*³, formed on the end of an arm, *e*², and designed to serve as a guide to the cord *d*².

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

1. The wire brackets E E', having the eyes *e*¹ *e*¹ and hooks *e*, in combination with the rods F, cords H, and adjustable curtain-roller C, substantially as specified.

2. The bracket E', formed from a piece of wire, and having the eyes *e*¹ *e*¹, arm *e*², and hook *e*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HENRY B. GINGRICH.

Witnesses:

DAVID J. ROLLERY,
NATE IDINGS.