

(No Model.)

A. SCHMACKERS.
WINDOW SHADE FIXTURE.

No. 294,278.

Patented Feb. 26, 1884.

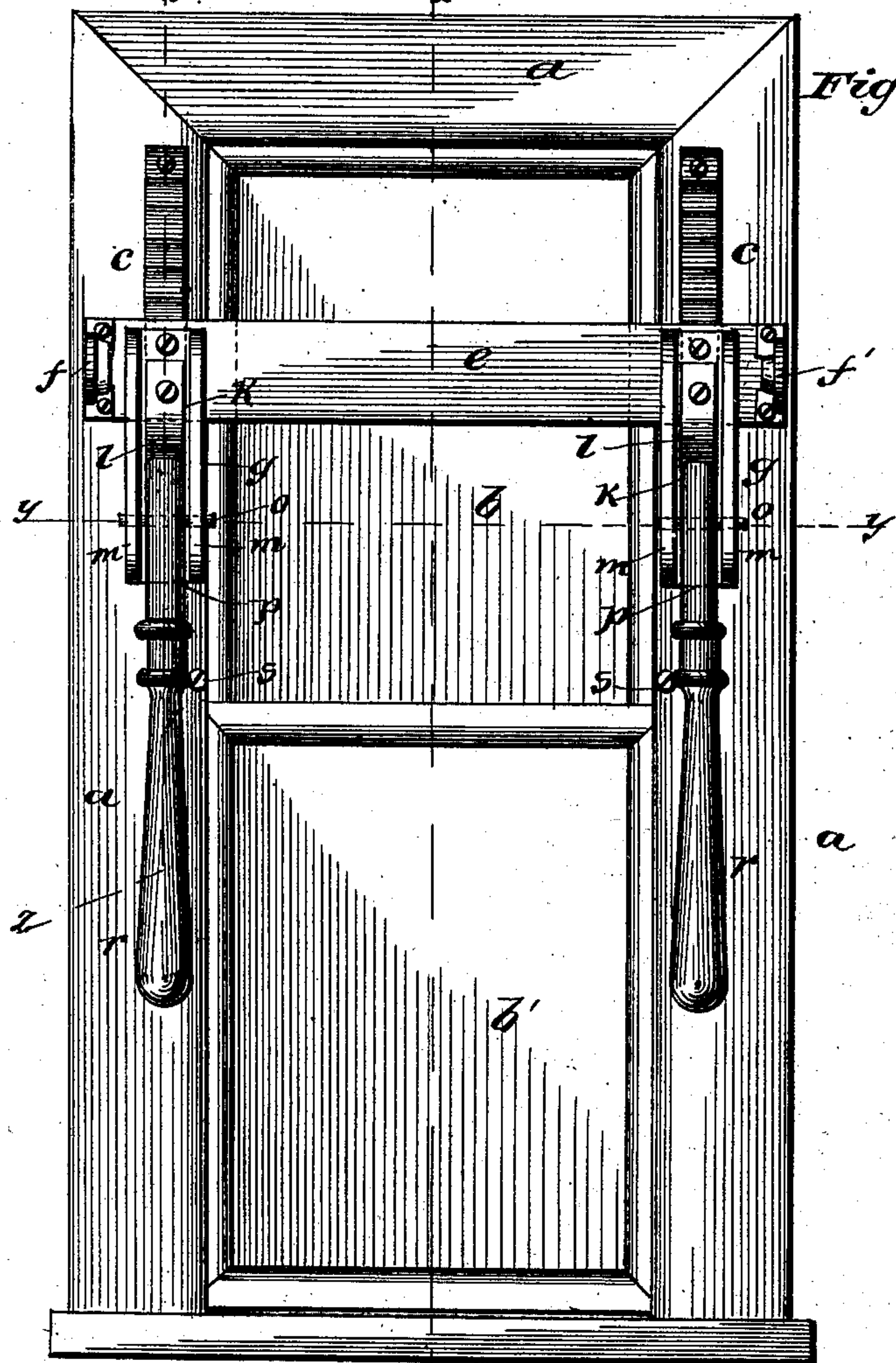


Fig. 1.

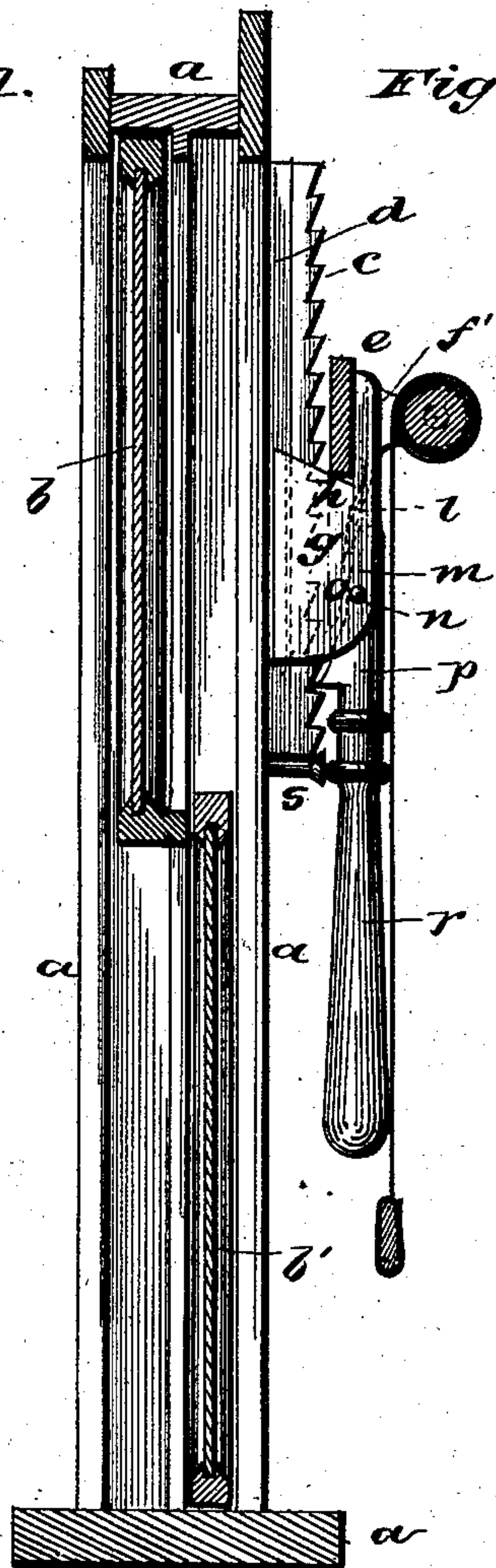


Fig. 2.

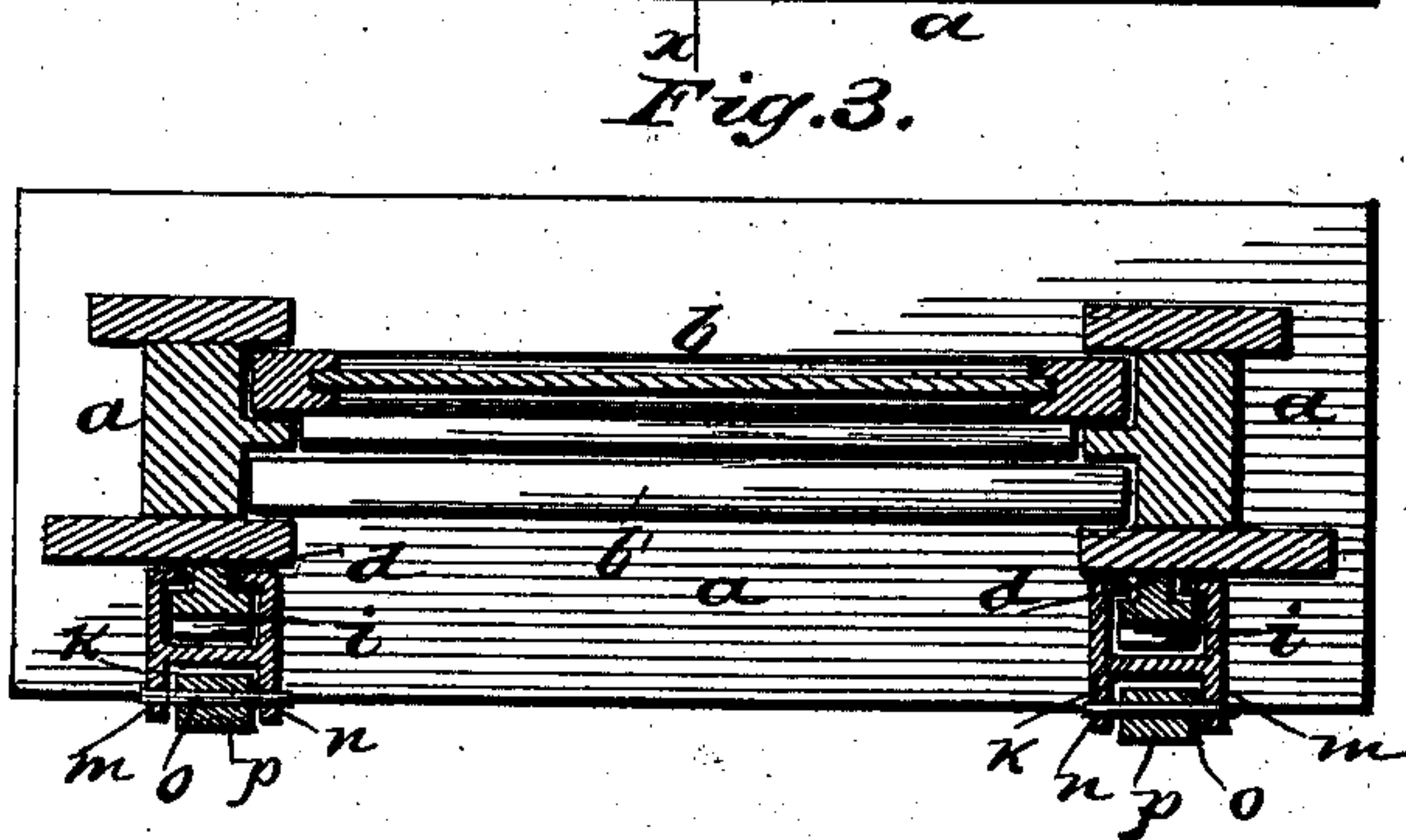


Fig. 3.

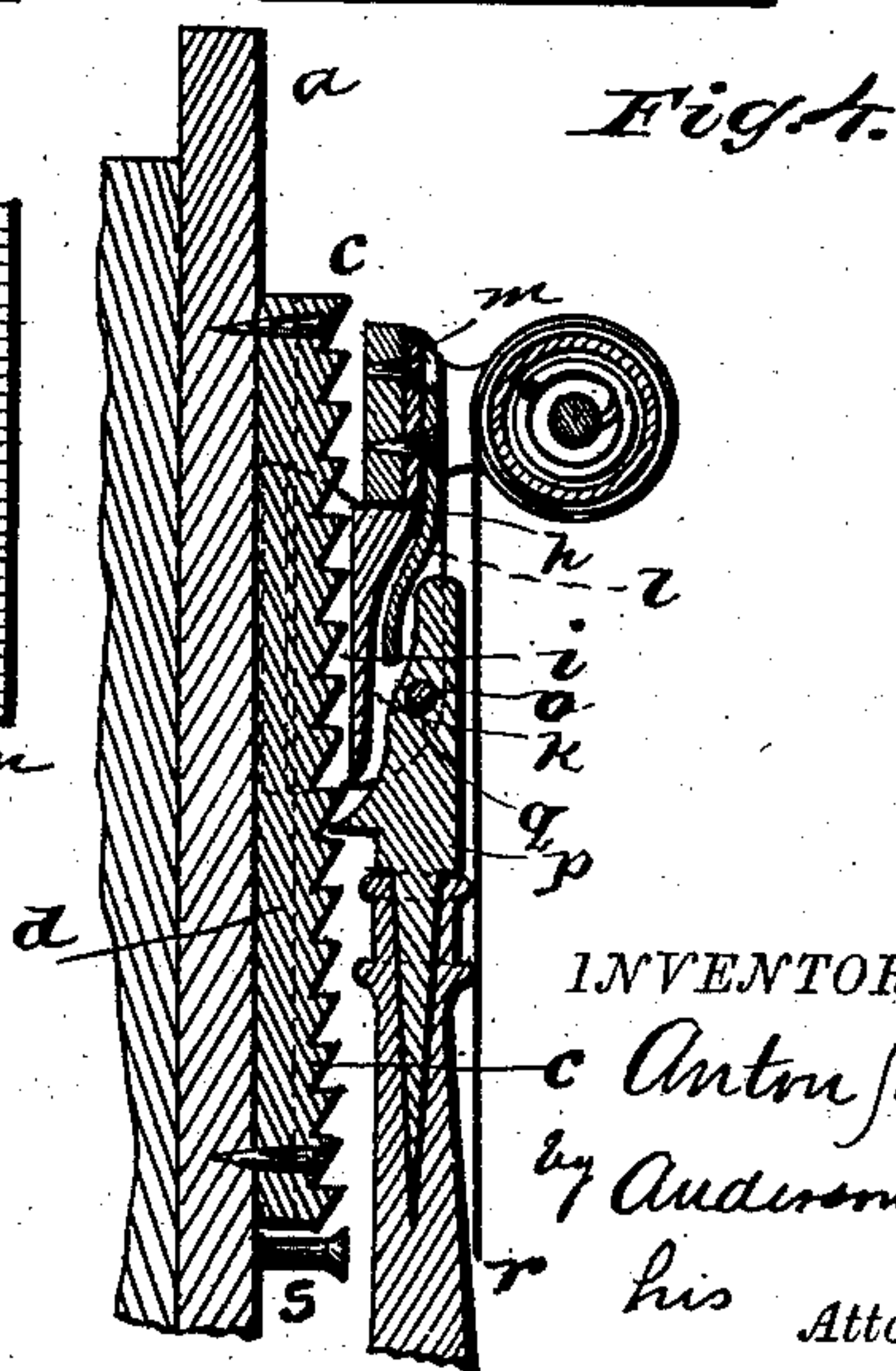


Fig. 4.

WITNESSES

John D. Morrow.
Villette Anderson.

INVENTOR

Anton Schmackers,
by Anderson Smith
his Attorneys

UNITED STATES PATENT OFFICE.

ANTON SCHMACKERS, OF BIRMINGHAM, ALABAMA.

WINDOW-SHADE FIXTURE.

SPECIFICATION forming part of Letters Patent No. 294,278, dated February 26, 1884.

Application filed December 4, 1883. (No model.)

To all whom it may concern:

Be it known that I, ANTON SCHMACKERS, a citizen of the United States, residing at Birmingham, in the county of Jefferson and State of Alabama, have invented certain new and useful Improvements in Window-Shade Fixtures; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a face view of a window, showing my invention applied, Fig. 2 is a longitudinal sectional view of the same, taken on the lines *xx* of Fig. 1. Fig. 3 is a transverse sectional view taken on the lines *yy* of Fig. 1, and Fig. 4 is a detail sectional view taken on the lines *zz* of Fig. 1.

This invention has relation to window-shade fixtures; and it consists in the construction and novel arrangement of devices, as will be hereinafter fully described, and particularly pointed out in the claim appended.

Referring by letter to the accompanying drawings, *a* designates the window-frame, and *b* and *b'* the upper and lower window-sashes.

To the upper half of the window-frame *a* are secured two racks, *c c*, which are T form in cross-section, the stem *d* of the T being the portion of the racks next to the window-frame *a*. These racks *c c* are about equal in length to the length of the upper window-sash, *b*, and are secured to the window-frame parallel with and a short distance from its inner edges, as shown.

To a cross-strip, *e*, which carries the castings *f f'* at its ends, for the well-known spring-roller for window-shades, is secured near each end a shouldered grooved bracket, *g*. The cross-strip *e* rests on the shoulders *h h* of the brackets, and the latter are secured through their upper ends, by screws or otherwise, to the front side of the cross-strip *e*. The rear or shouldered portions, *h h*, of the brackets *g g* are provided with vertical grooves *i i*, which are T form in cross-section, to receive the racks *c c*. The front faces of the brackets *c c* are pro-

vided with grooves *k k*, which are rectangular in cross-section, and deepen gradually from a point in line with the shoulders *h h* to their lower ends. In the upper portions of these grooves *k k* are secured curved flat springs *l l*, the curves being outward when the springs are unconfined. The walls *m m* of the grooves *k k* have holes *n n* near their front lower edges for the reception of the journals *o o* of the pivoted dogs *p p*. These dogs *p p* have each a hole, *q*, for the pivot-pins *o o*. To place these dogs in position the springs *l l* must be compressed within the grooves *k k*, the holes in the dogs *p p* brought in line with the holes in the walls of the grooves, and the pins *o* inserted. The dogs *p p* are provided with handles *r r*, by which to raise and lower the brackets, cross-strip, and consequently the window-shade when in place. Stops *s s* are provided below the racks *c c* at their inner flanges, to prevent the brackets from being pulled off from the racks from below. The brackets are placed on the racks from above. By this arrangement the curtain or shade can be lowered to admit light and air from above, or light only, if desired; and the space for its or their admission may be varied to suit the convenience of the occupants of the room. To accomplish this it is only necessary to pull the handles away from the window-frame to release the dogs from the teeth on which they are resting, and push up or pull down on the handles to change the location of the brackets.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a window-shade fixture, the combination, with the window-frame having a pair of vertical racks on its face along the vertical edges of its upper half, of the grooved and shouldered brackets having springs in their front grooves, and dogs with operating-handles pivoted in said grooves, said brackets being secured at their upper ends to a cross-strip for carrying the castings for the shade-roller, substantially as specified.

ANTON SCHMACKERS.

Witnesses:

B. M. ALLEN,
H. SCHALGE.