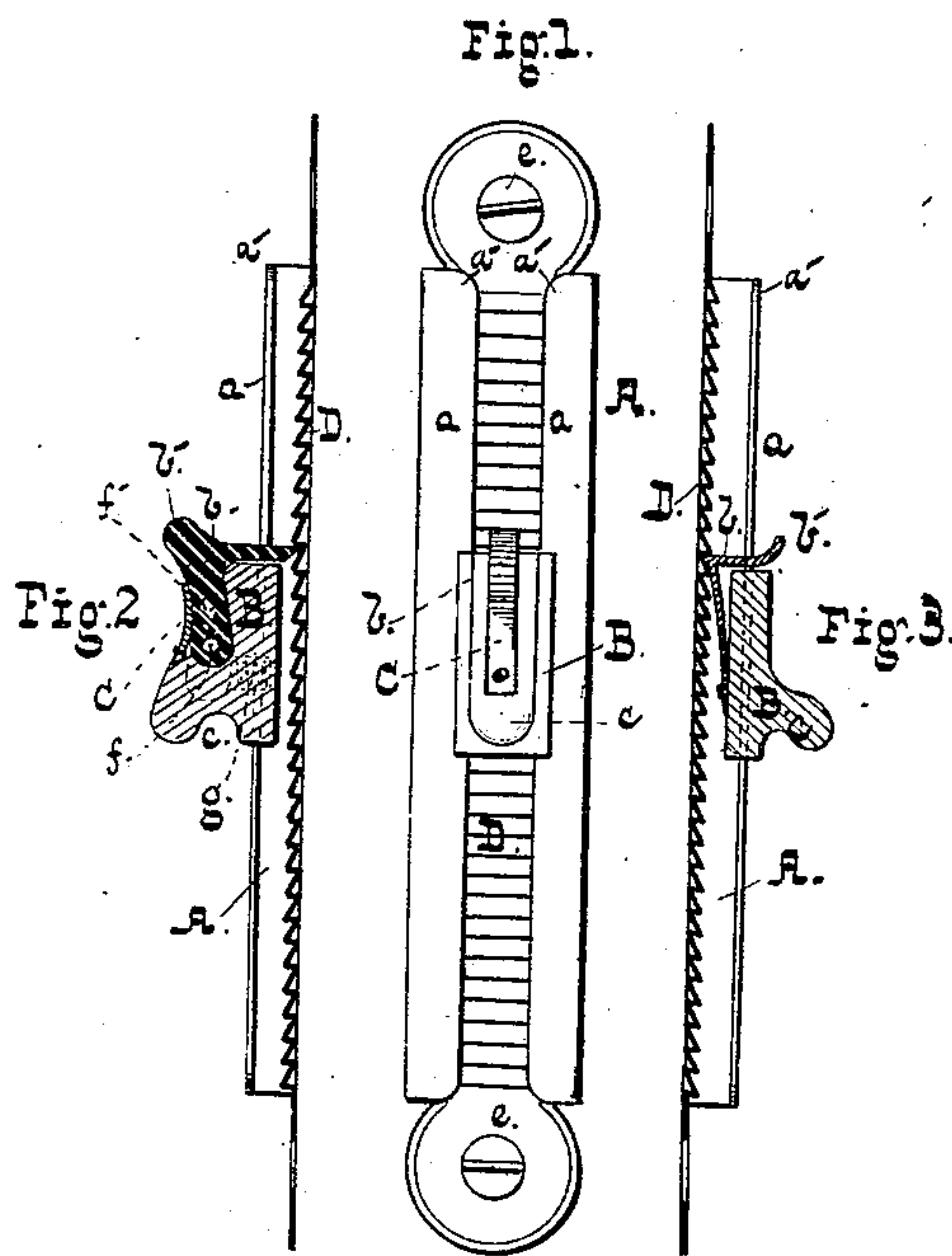


(No Model.)

F. J. WERNETH.
CURTAIN CORD TIGHTENER.

No. 275,303.

Patented Apr. 3, 1883.



Witnesses

W. A. Buttram

De S. H. Barclay,

Inventor

= F. J. WERNETH =

by

R. W. Williams

Attorney

UNITED STATES PATENT OFFICE.

FRANCIS J. WERNETH, OF BALTIMORE, MARYLAND.

CURTAIN-CORD TIGHTENER.

SPECIFICATION forming part of Letters Patent No. 275,303, dated April 3, 1883.

Application filed May 2, 1882. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS J. WERNETH, of Baltimore city, State of Maryland, have invented certain new and useful Improvements in Curtain Cord Tighteners; and I hereby declare the same to be fully, clearly, and exactly described as follows, reference being had to the accompanying drawings, in which—

Figure 1 is a front elevation of the device; Fig. 2, a central longitudinal sectional view, and Fig. 3 a similar view of a modified form of the device.

My invention relates to devices for maintaining a proper tension of the cords of window-curtains; and it has for its object to produce an article of that class of superior efficiency, and of such form as to be very cheaply made.

In the drawings, A is a sheet-metal plate, having perforated end tangs for the attaching tacks or screws *e*, the sides *a* of the plate being folded over, as shown. In the back is stamped up, in the act of punching the plates from the sheet, a ratchet, D. The ends *a'* of the sides *a* are rounded, in order to facilitate the insertion of the sliding block B and to prevent injury to the hands in drawing down the curtain-cord. The block B is slotted or grooved at the side, and slides on the edges of the sides *a*. It is provided with a rounded knob or pulley, *c*, for the cord, and has pivoted at *f* a

catch, *b*, provided with a lip to engage with the ratchet. A spring, C, riveted to the block B, bears on the back of the catch and holds it in engagement with the ratchet. In lieu of this, the catch may be pivoted at *f'*, and a spiral spring, *g*, (shown in dotted lines,) may be made to bear against its lower end, subserving the same end. The upper end, *b'*, of the catch is turned upward, serving to admit of its retraction to disengage its point from the ratchet. The modification shown in Fig. 3 differs from this only in having the spring and catch made in one piece and riveted on the under side of the block B.

The base-plate is cheaply struck up, the ratchet being formed and the ends perforated at one operation. The block B may be cast, and the catch is simple in construction and readily applied.

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

In combination with the plate A, having struck-up ratchet and folded sides *a*, with rounded ends *a'*, the sliding spring-catch B *b*, as set forth.

FRANCIS J. WERNETH.

Witnesses:

R. D. WILLIAMS,
W. A. BERTRAM.