

No. 765,113.

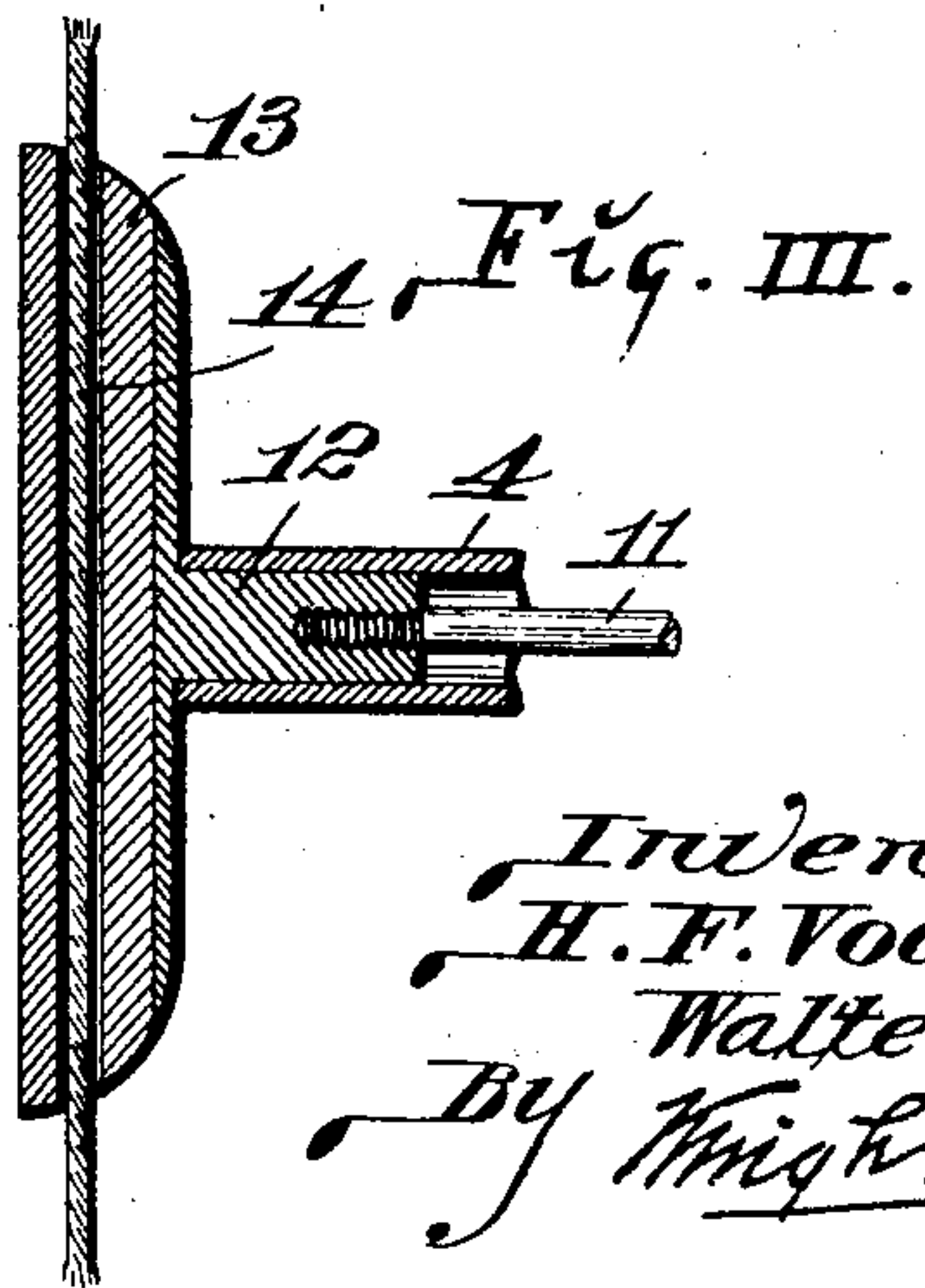
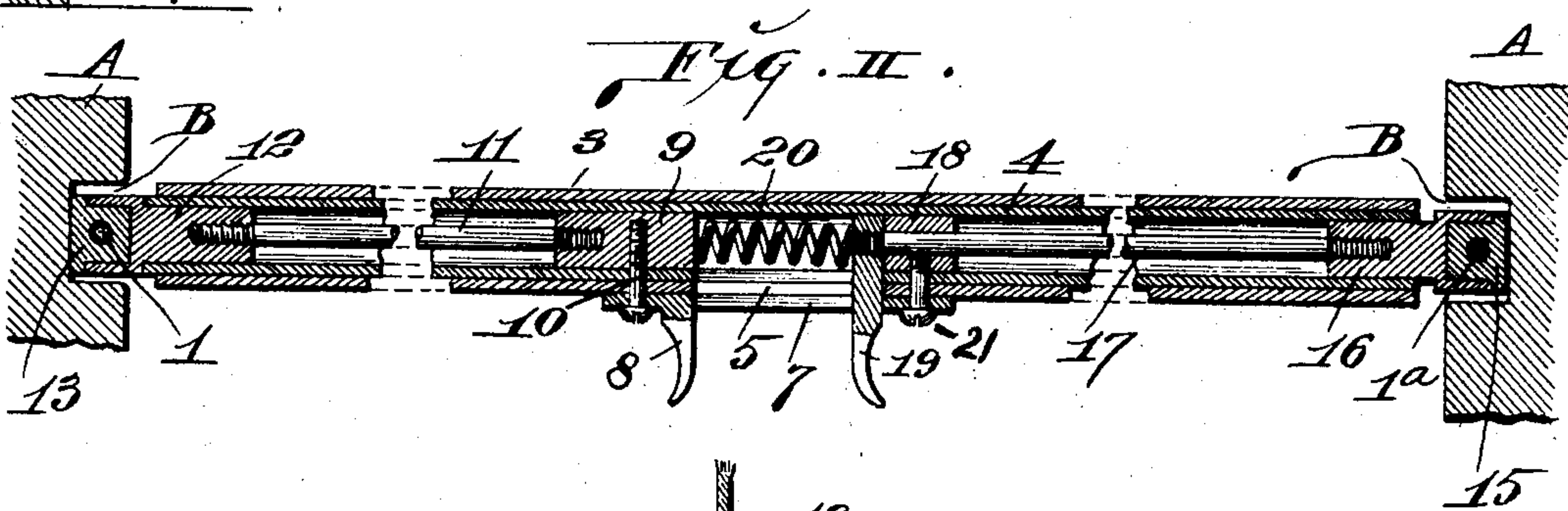
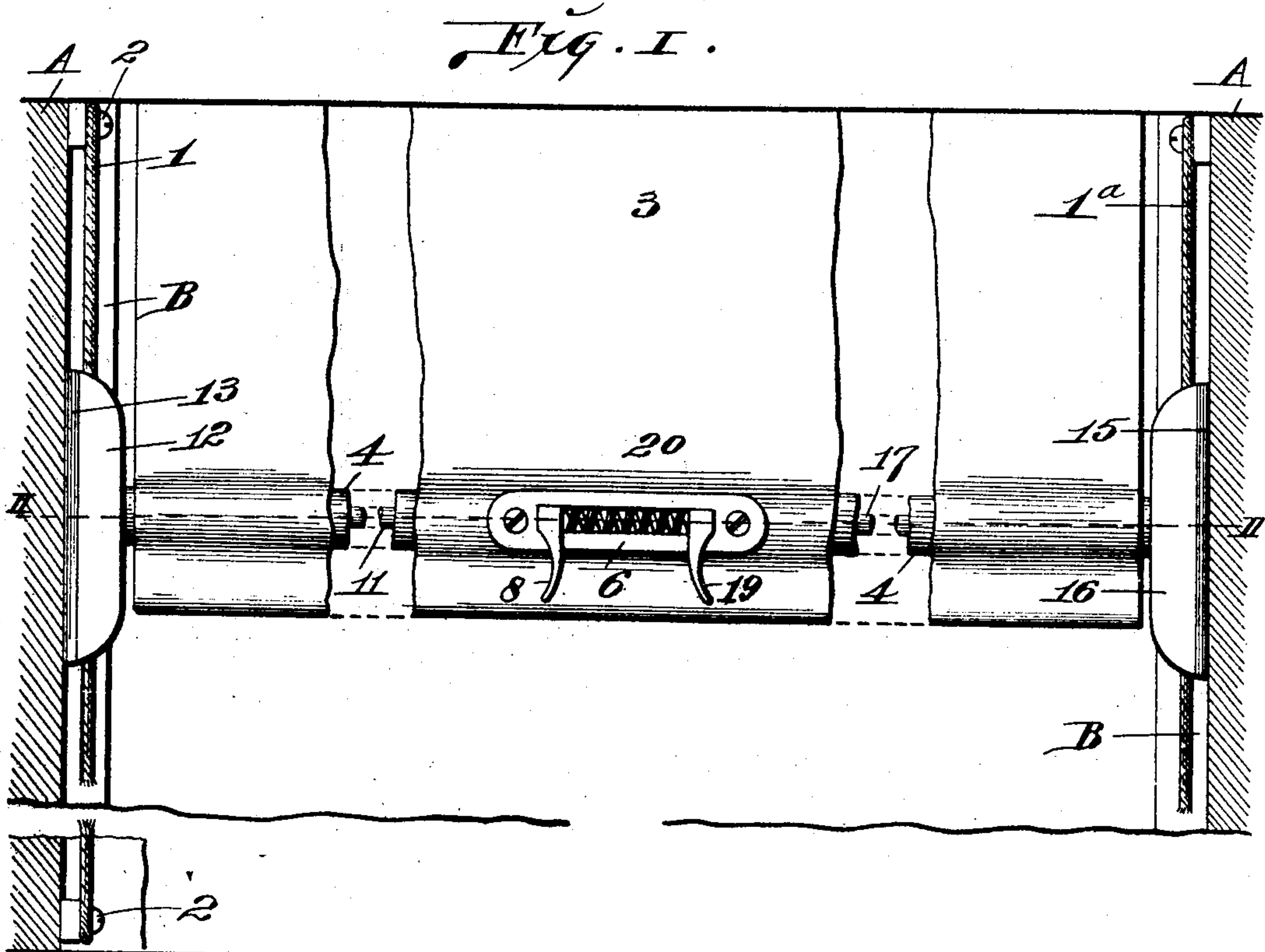
PATENTED JULY 12, 1904.

H. F. VOGEL & W. S. MILLER.

CURTAIN FIXTURE.

APPLICATION FILED SEPT. 14, 1903.

NO MODEL.



attest:—
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UNITED STATES PATENT OFFICE.

HENRY F. VOGEL AND WALTER S. MILLER, OF ST. LOUIS, MISSOURI, ASSIGNORS, BY MESNE ASSIGNMENTS, TO CURTAIN SUPPLY COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF NEW JERSEY.

CURTAIN-FIXTURE.

SPECIFICATION forming part of Letters Patent No 765,113, dated July 12, 1904.

Application filed September 14, 1903. Serial No. 173,096. (No model.)

To all whom it may concern:

Be it known that we, HENRY F. VOGEL and WALTER S. MILLER, citizens of the United States, residing in the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Curtain-Fixtures, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

Our invention relates to a curtain-fixture particularly intended for use in street-car windows; and, briefly stated, the invention consists in means for guiding and retaining the curtain-rod in its guideway and a pair of rod-shoes having engagement with said guiding means and one only of which is shiftably mounted to be retracted for the freeing of the shoes to permit movement of the curtain in raising and lowering it.

Our invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a view, partly in elevation and partly in vertical section, of our curtain-fixture mounted in a window and with parts of the fixture broken out. Fig. II is a vertical longitudinal section taken on line II II, Fig. I. Fig. III is a vertical section of one of the binding-shoes of the fixture.

A designates window-posts in which are the usual curtain-guideways B.

1 and 1^a designate guide-cords that extend vertically and longitudinally in the guideways B, the upper and lower ends of the cords being held to the window-posts at 2 by screws or other suitable means of fastening, as seen in Fig. I.

3 designates a curtain in which the rod-fixture is mounted. This rod-fixture is composed of the following parts:

4 is a sleeve, in the central portion of which is a slot 5. At the location of said slot is a face-plate 6, that contains a slot 7, corresponding to the slot in said sleeve. 8 is a finger-piece forming a fixed part with said face-plate and immovably held to the sleeve 4 by said plate.

9 is a plug seated in the sleeve 4 adjacent to the fixture finger-piece 8 and held from movement in said sleeve by the screw 10, that passes through the face-plate 6 to secure it to said sleeve. Seated in said plug is a rod 11, that leads toward one end of the sleeve 4 and is fitted into the shank of a jaw 12, in which is seated a shoe 13. The shoe 13 is provided with a vertical aperture 14, extending there-through and through which the guide-cord 1 passes to hold said shoe in the window-post guideway B. (See Figs. I to III, inclusive.)

15 is a shoe provided with a longitudinal aperture to receive the guide-cord 1^a and hold said shoe in the window-post guideway in which it operates. The shoe 15 is carried by a jaw 16, which is slidably positioned in the sleeve 4 to operate therein to a limited extent. Connected to said shoe is a draw-rod 17.

18 is a bushing in the sleeve 4 and through which the draw-rod 17 passes and reciprocates.

19 is a finger-piece pull that is secured to the draw-rod 17 and extending through the slots 5 and 7 in the sleeve 4 and face-plate 6.

20 is an expansion-spring positioned between the finger-piece pull 19 and the plug 9, situated in the sleeve 4.

21 is a screw securing the face-plate 7 and bushing 18 to the sleeve 3 without interfering with the reciprocating rod 17.

In the practical use of our curtain-fixture the expansion-spring 20 normally acts to project the shoe 15 into frictional engagement with the window-post guideway in which it operates, owing to the bearing of said spring against the finger-piece pull 19. As a result of such pressure the shoe 13 is likewise held in frictional engagement with the window-post guideway in which it operates. When the curtain is to be raised or lowered, the finger-piece pull is drawn toward the finger-piece 8 by grasping both of said members to obtain a purchase on the pull, and the shoes 13 and 15 are thereby released from frictional engagement with the window-posts to permit raising and lowering of the curtain. The natural tendency of a great many people is to exert force in a direction toward one

of the window-posts by moving one of the finger-pieces of a curtain-fixture longitudinally of the fixture, and this has heretofore frequently resulted in the rod-fixture being
5 withdrawn from the post-guideways instead of remaining therein, as it should. In our fixture there is only one movable finger-piece which is intended to be thrown toward one of the window-posts, and by the employment of
10 the retaining-cords 1 and 1^a, passing through the friction-shoes of the fixture, the shoes are securely held in the post-guideways in a manner to prevent their being accidentally withdrawn therefrom.

15 We claim as our invention—

1. In a curtain-fixture, the combination of a pair of guideways in mating window-posts, a pair of retaining-cords secured in said guideways, a sleeve, a shoe rigidly secured to said
20 sleeve and having a vertical perforation for loose engagement with one of said retaining-cords, a second shoe slidably connected to said sleeve and having a vertical perforation for loose engagement with the other retaining-
25 cord, and a single spring interposed between said shoes for projecting the shoes into fric-

tional engagement with the guideways of the window-posts.

2. In a curtain-fixture, the combination of a pair of retaining-cords secured in the guide- 30 ways of mating window-posts, a sleeve having a longitudinal slot in its central portion, a shoe having a vertical perforation for loose engagement with one of said retaining-cords, a finger-piece, means for rigidly connecting 35 said finger-piece to said shoe and said sleeve, a second shoe having a vertical perforation for loose engagement with the other retaining-cord, a second finger-piece extending loosely into said sleeve through said slot, 40 means slidably positioned in said sleeve for rigidly connecting said second finger-piece to said second shoe, and a single spring interposed between and bearing against said finger-pieces for projecting the shoes into fric- 45 tional engagement with the guideways of the window-posts.

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In presence of—

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M. H. MURPHY.