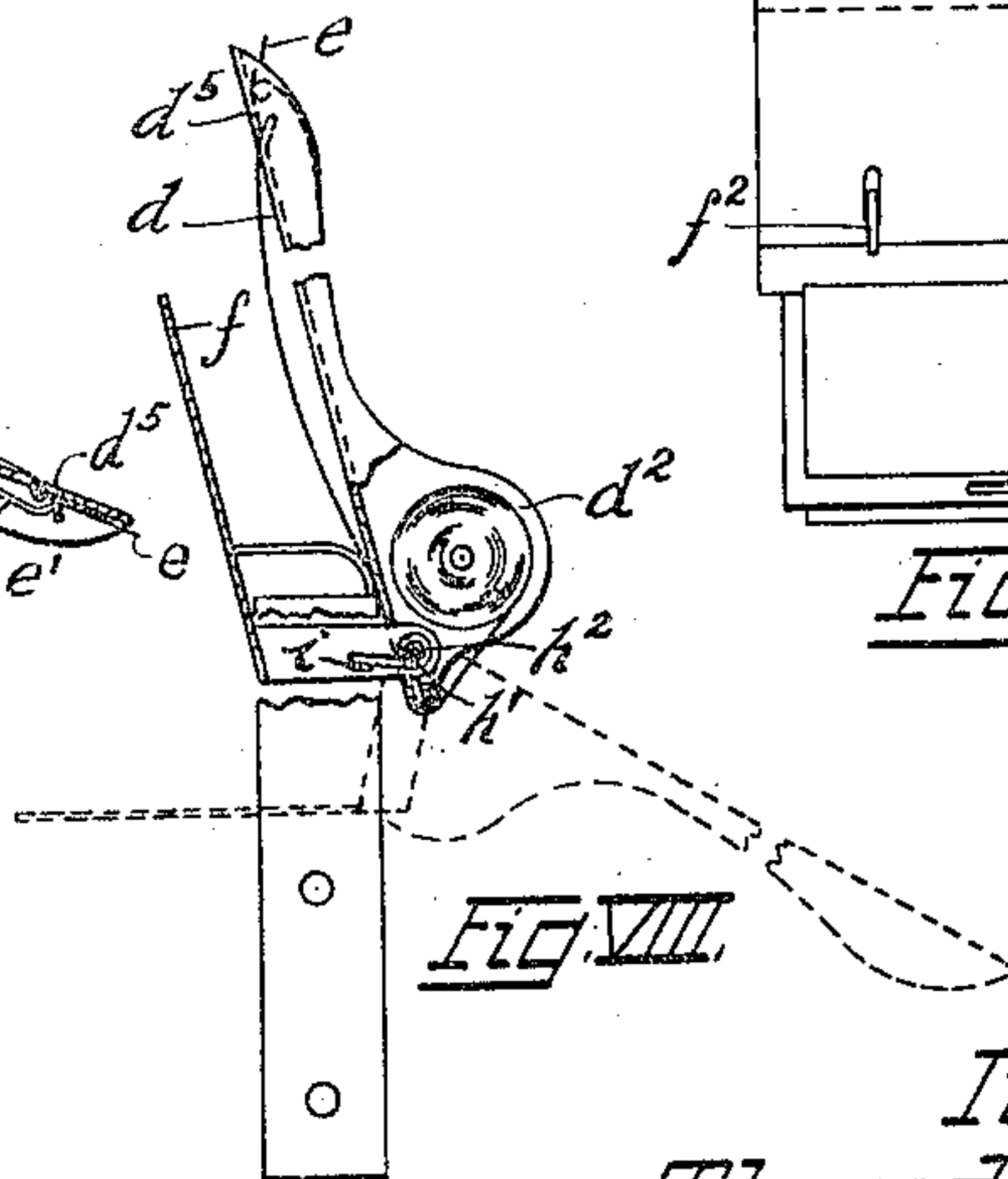
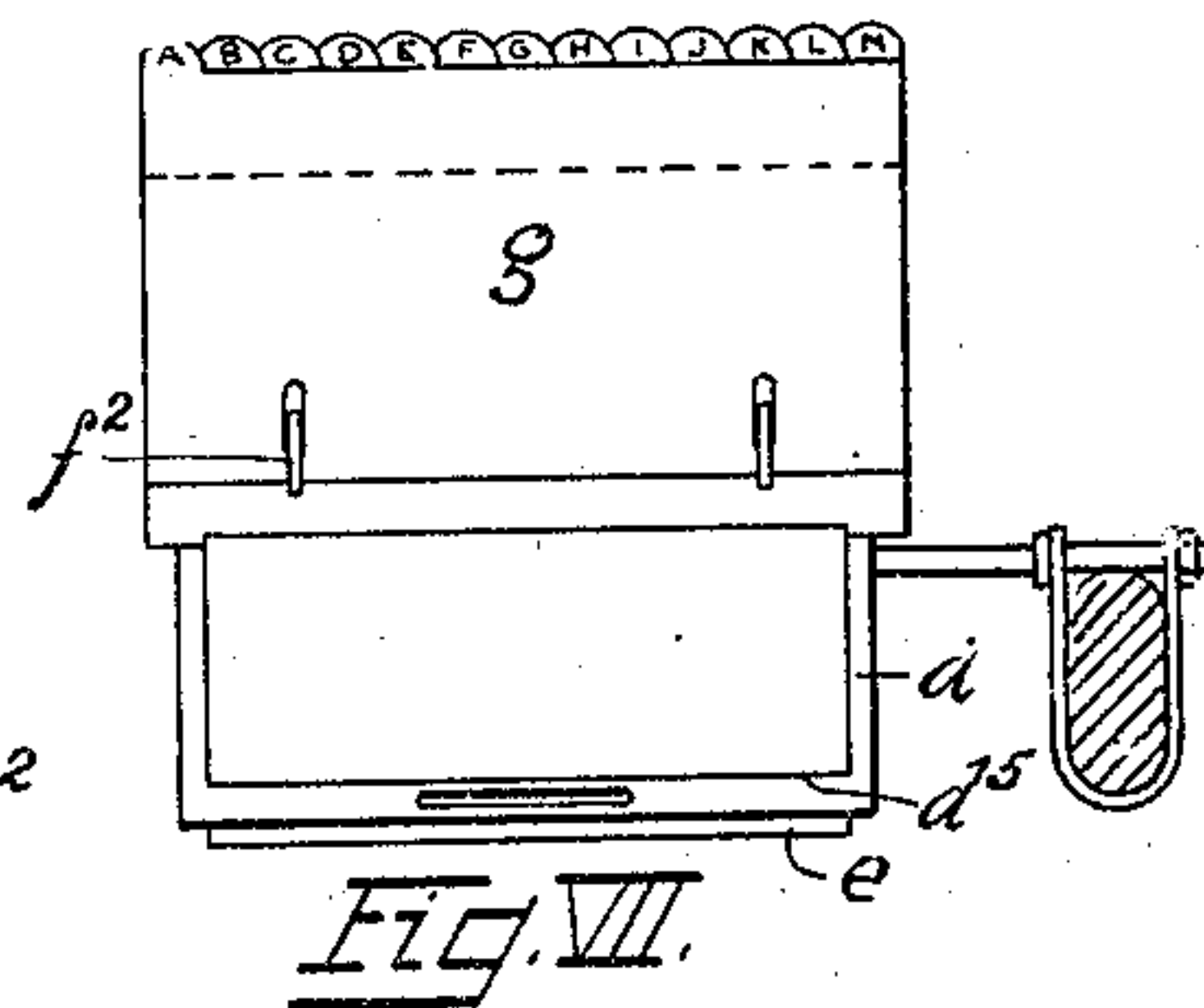
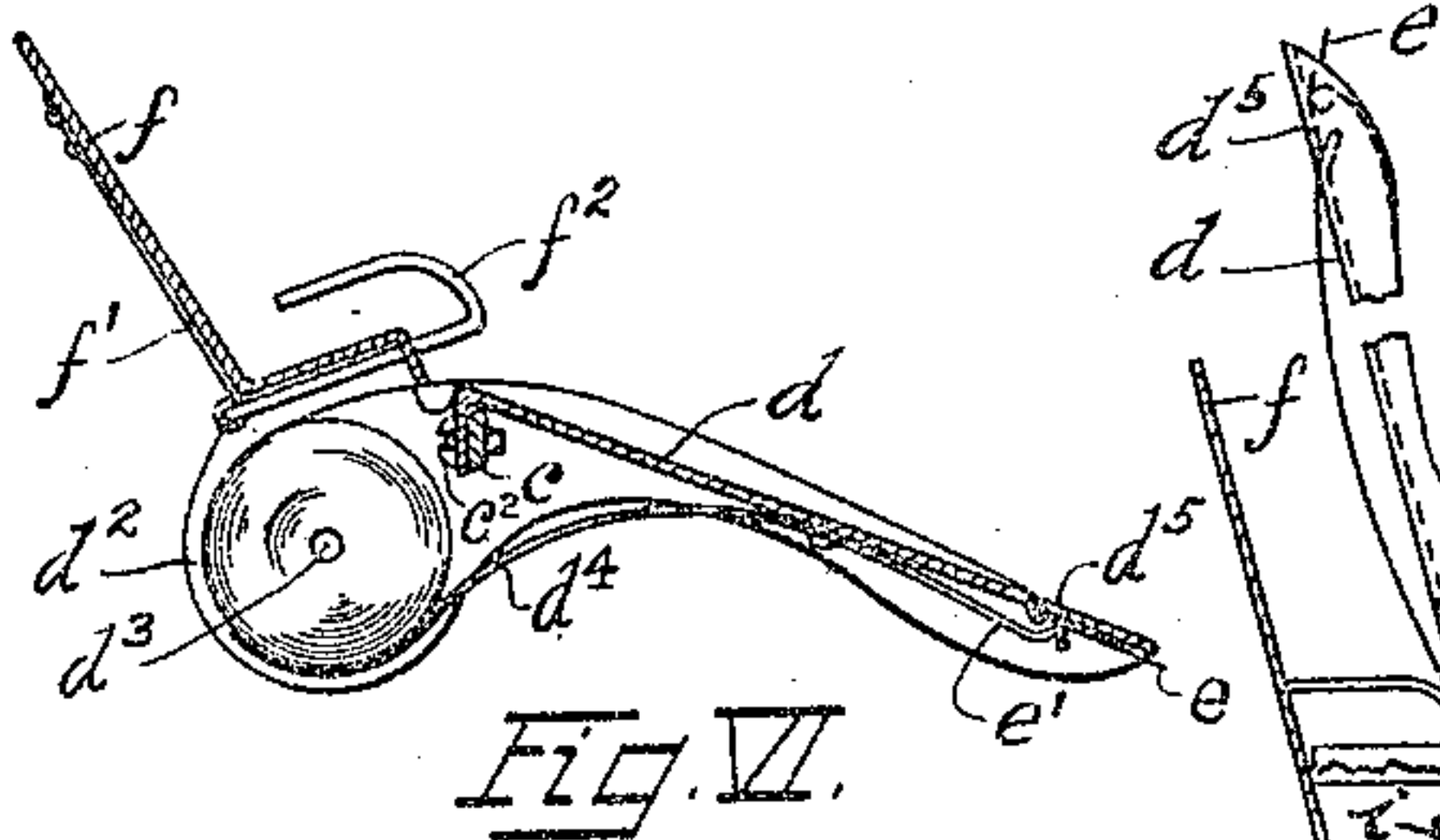
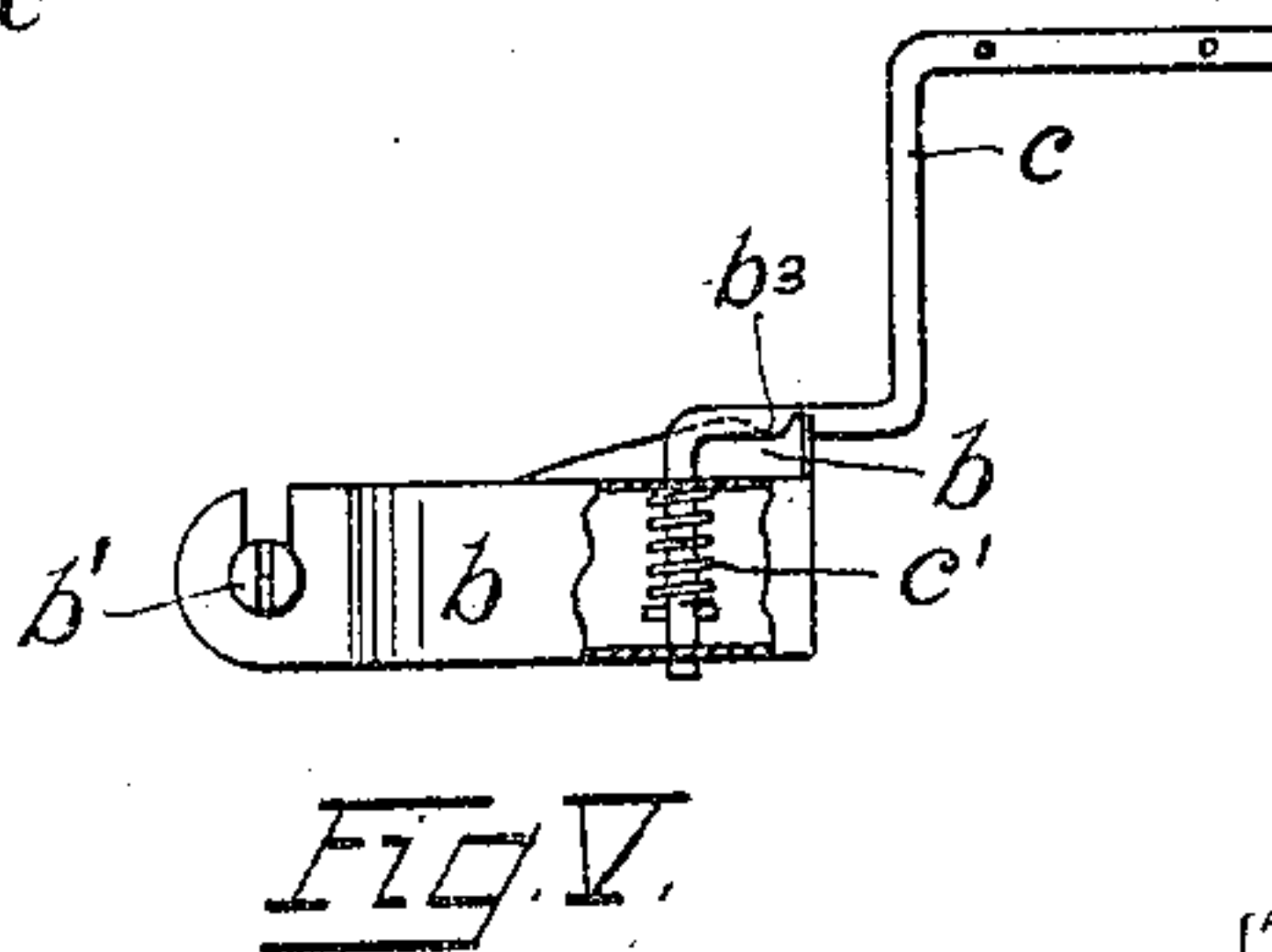
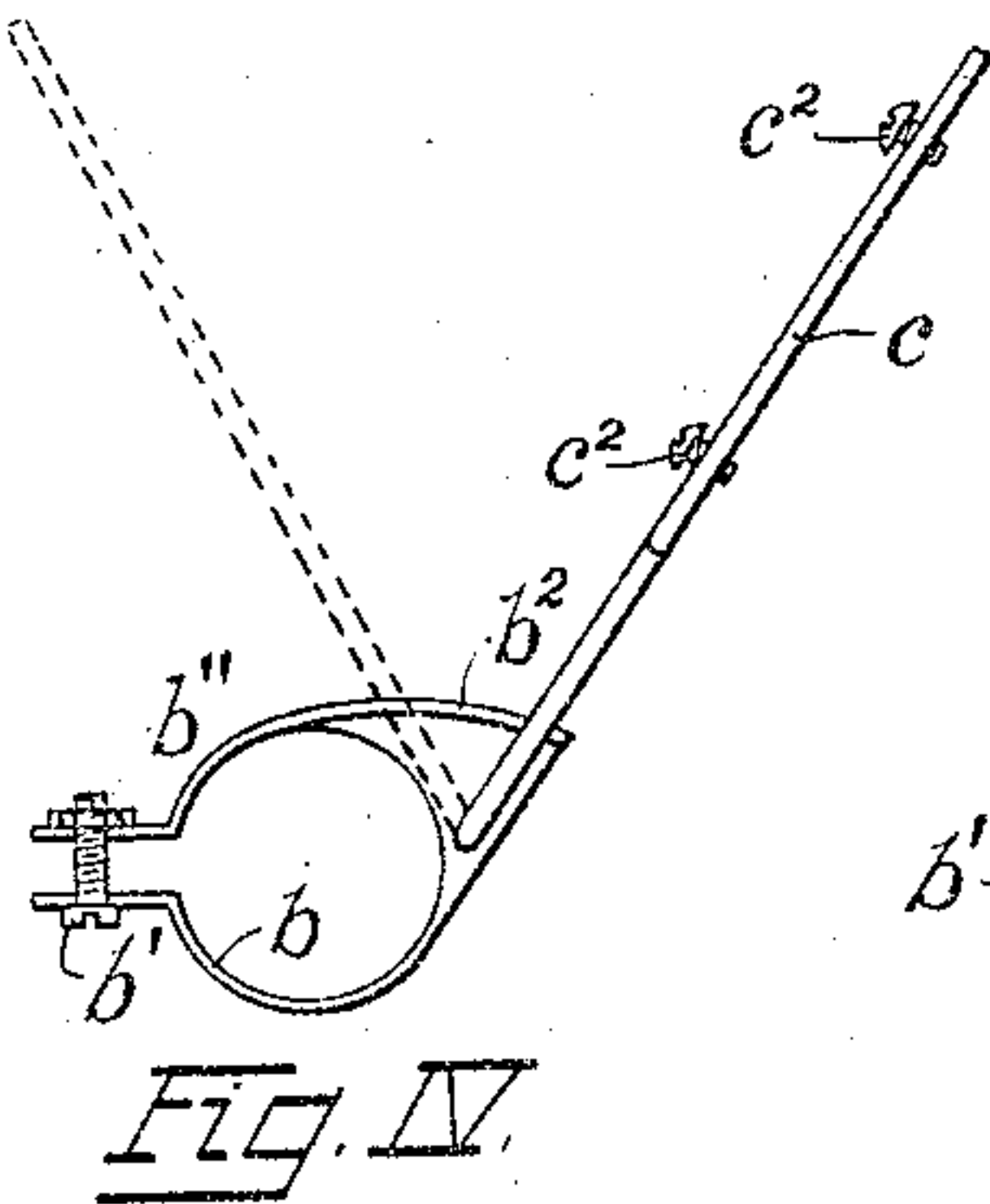
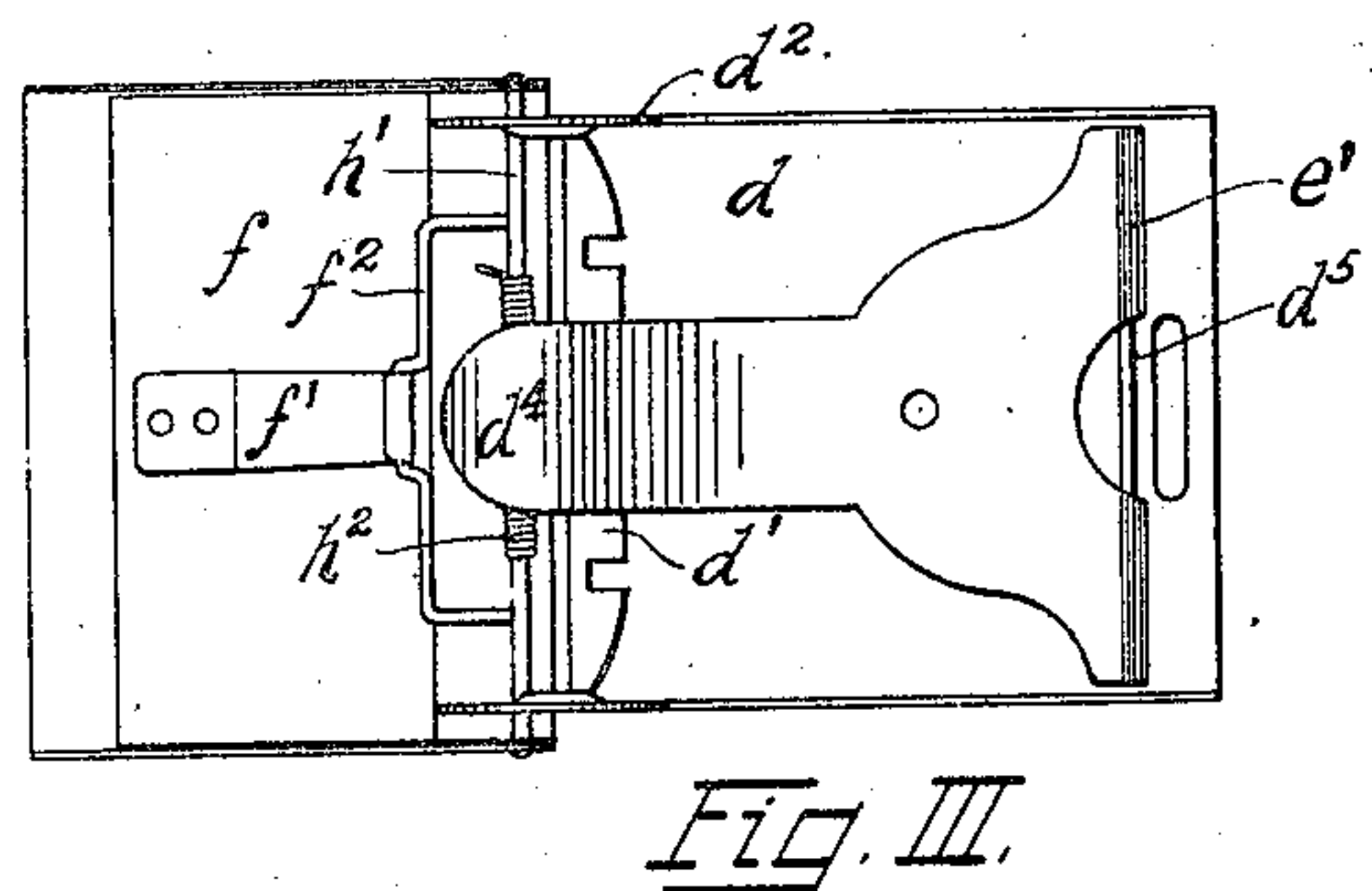
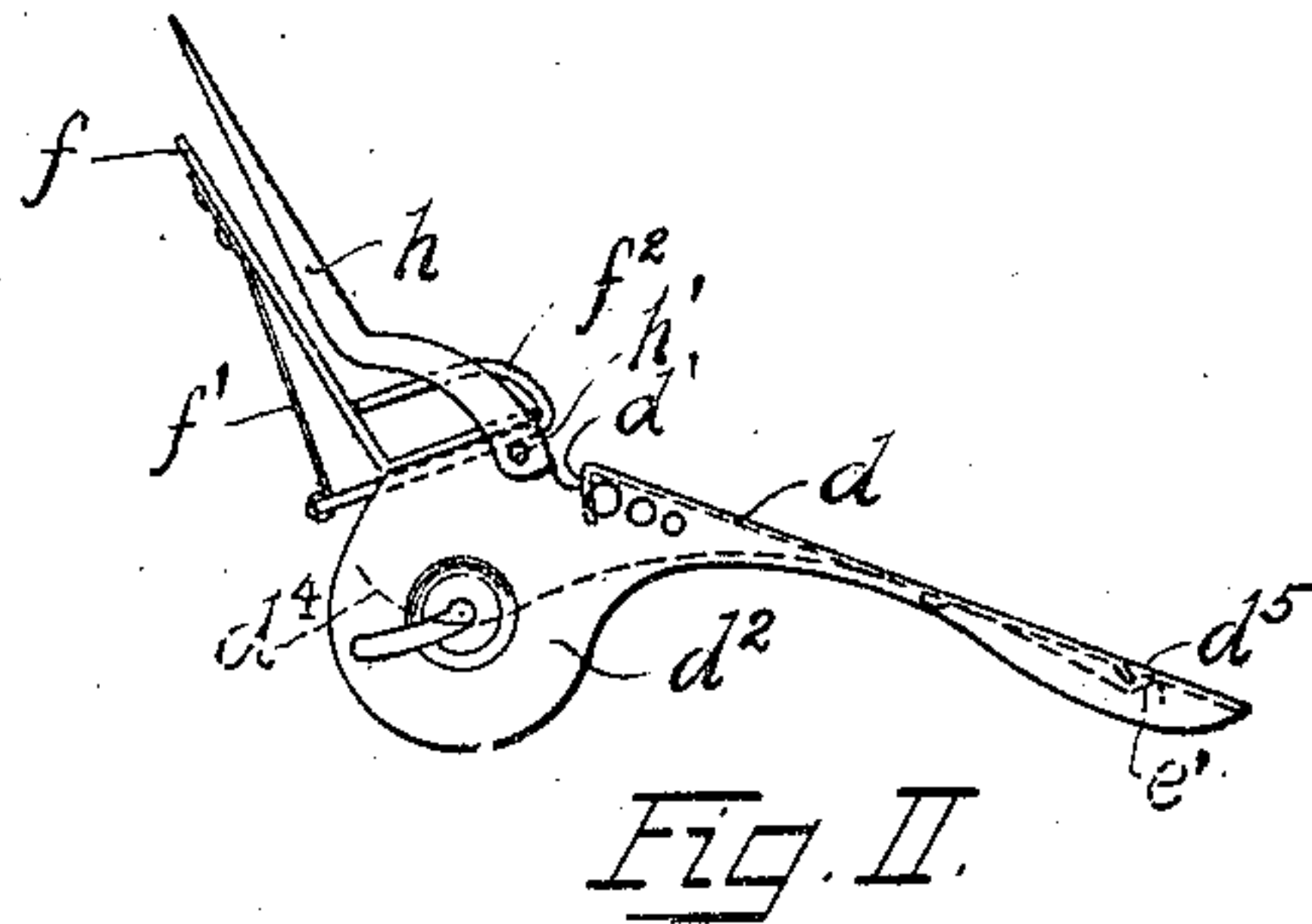
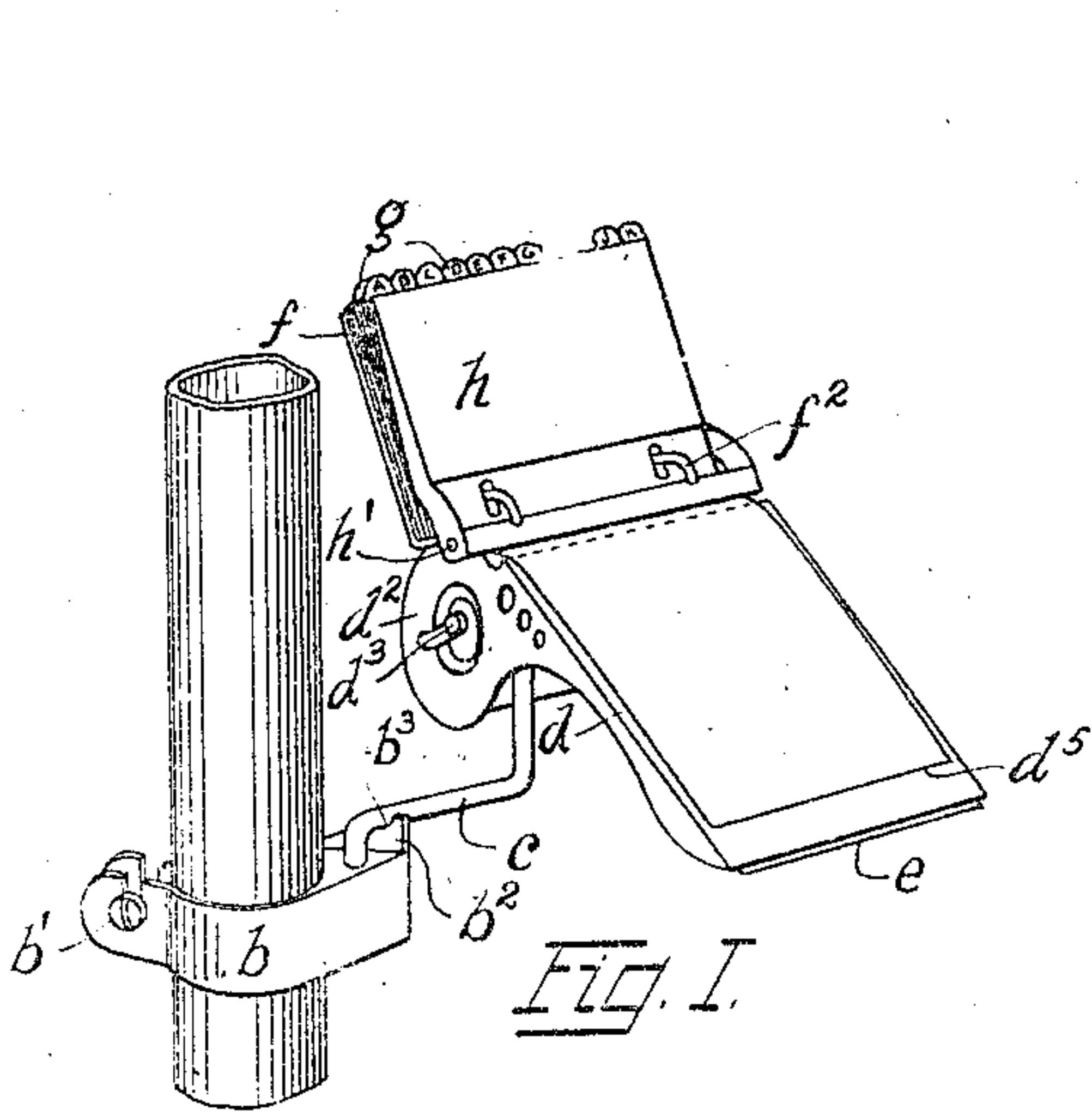


No. 862,242.

PATENTED AUG. 6, 1907.

T. ENDEAN.
TELEPHONE ATTACHMENT.
APPLICATION FILED APR. 16, 1906.



Witnesses.

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UNITED STATES PATENT OFFICE.

THEODORE ENDEAN, OF CLEVELAND, OHIO.

TELEPHONE ATTACHMENT.

No. 862,242.

Specification of Letters Patent.

Patented Aug. 6, 1907.

Application filed April 16, 1906. Serial No. 311,917.

To all whom it may concern:

Be it known that I, THEODORE ENDEAN, a citizen of the United States of America, and a resident of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Attachments for Telephones, of which the following is a specification.

My invention relates to improvements in attachments for telephones, and has for its object, the provision of a structure assembling the facilities for ready reference and the making of memoranda, in a compact, cheap and simple form, and one which may be brought into position for use, or actuated out of the way of the user.

While my invention is not altogether limited to use in connection with telephones, its principal adaptation would seem to be in association with such instruments.

The several features of my invention are embodied in a telephone-index or directory, and appliance for making memoranda set forth in the accompanying drawings, which may be briefly referred to in a preliminary way as consisting of a card-index adapted for manipulation by one hand only of the telephone user, adjacent to which is provided a ledge or desk, over which is passed the outer end of a roll of paper furnishing means for making memoranda. The directory preferably is in the form of a removable or renewable card-index, and automatically closes when reference thereto is concluded and memoranda of the desired number has been made. Means are provided in connection with the roll of paper for placing sufficient tension thereon to hold it properly in place, and permit of tearing off the written end-portion thereof.

Preferably the entire device is mounted on a detachable bracket, whereon the operative parts of the attachment may be swung into position for use, or moved out of the way of the user of the telephone. The type shown is particularly adapted for use upon the standards of desk telephones, although in no wise necessarily limited thereto.

Additional details may readily be gathered by making reference to the accompanying sheet of drawings, wherein;—

Figure I. is a prospective view of the entire device mounted in position for use upon a tubular part or desk standard. Fig. II. is a side view of the device; and Fig. III. a bottom view thereof upon an enlarged scale; both being shown removed from the supporting bracket. Figs. IV., and V. respectively are plan and side views (the latter being shown partially broken away) illustrating the supporting bracket and its pivotally mounted arm. Fig. VI. is a section of the attachment taken at the edge of the paper and paper-roll, with the card-index and its automatic closure-part removed. Fig.

VII. is a face view of the same, equipped with a stationary side bracket; and, Fig. VIII. is a side view partially broken away illustrating a modification of my improved attachment, adapted automatically to fold into smaller space.

Referring to Fig. I., the upright tubular member may be considered as the standard of a telephone-desk-set, or other part, to which it is desired to affix my attachment. This is very simply accomplished by means of a stamped-metal bracket *b*, which embraces the standard, and is held securely thereon by means of the transverse bolt *b'*. An angular arm *c* is pivoted within the bracket, and, under tension of spring *c'*, normally is retained at the rearward portion of the inclined edge *b²* of said bracket, where the attachment supported by the bracket, will be well out of the way of the user of the telephone. At the forward extremity of said inclined edge, is provided a slot or recess *b³*, wherein the arm is adapted to be retained securely when the attachment is actuated forwardly into its position of use.

The telephone attachment proper is carried from the upper end of the arm *c* by means of the screws *e²*, which engage the slotted depending portion *d'* of the desk or ledge *d*. Dished side portions *d²* are downwardly bent and form engaging ears for the roll of paper, which is disposed upon the transverse rod *d³*. The paper, which is tightly rolled upon this rod may readily be slipped into place by depressing the extremity of spring *d⁴* and slipping the ends of the rod into the openings in the side portions *d²*, which may be slightly sprung, and one of which is slotted to facilitate the insertion of the paper roll, as best shown in Fig. II. When the paper is exhausted, another roll may be inserted as above described, after removing the rod *d³*, simply by slipping it endwise from its position of support sufficiently to release it from the ears *d²*. The leaf-spring *d⁴* bears upon the outer face of the paper roll, and retains any tension placed thereon; said paper passing from the top of the roll and beneath the card index over the top or surface of the ledge *d*, as shown in Fig. I, while the extremity of the paper *e* is, passed beneath a lip *d⁵*, against which the other end of said spring *e'* holds it securely in place upon the ledge or desk *d*. The outer edge of the lip or transverse strip *d⁵* serves as a straight-edge for tearing off the portion of the paper bearing the written memoranda.

Extending backward at an angle from the desk, is a support *f* for the cards *g*, of a card-index, forming the telephone directory. At the rear of said support is provided a leaf-spring *f'* attached to the forwardly extending loops of wire *f²*, which serve normally to retain the cards of the card-index in place for reference. A closure-part *h*, pivoted upon the rod *h'*,

serves under the tension of spring h^2 , normally to retain the card index closed, in the position shown in Fig. I.

When it is desired to remove the card index or any of the cards thereof, the spring f' is merely pressed actuating the supporting parts or wire loops into the position shown in Fig. VI., whereupon the card index may be removed, added to, or the arrangement of the cards changed, as required.

10 In Fig. VIII. the construction shown is one adapted for use where a relatively long list is to be written, as required for grocers' orders and the like; but in order to make the device sufficiently compact, I preferably employ a heavy spring h^2 , which acts upon the desk or ledge pivotally mounted upon rod h' normally to rotate it into the plane of the card index, as shown by the full lines of said figure of the drawing. Similarly, the support of said card index is acted upon by the spring, soldered thereto at i , normally to retain it in its upright position, but the same may be depressed to its dotted line position for the removal of the cards from the stationary wire loops. I have shown the section of this device in full lines to indicate the usual relation of its parts, but the dotted lines will assist one in understanding the position of use for the ledge or desk thereof, and the manner in which the card index is released. These features, however, are not intended for use upon the more commonly employed type of telephone attachment.

30 In order to hold the paper in place upon the ledge, an additional means, found in the outer extensions of the leaf-spring d^4 , bears upon the under side of the straight edge at e' , Fig. II and prevents the buckling of the paper, while the engagement of the downwardly extending lugs or ears with the ends of the paper roll and the inner end of the leaf-spring with its outer surface, serve to prevent the paper from unrolling, except as the same is withdrawn by the user. This results from the fact that the paper is held beneath the ledge in two places by the spring, and in consequence it cannot buckle or slide about when written upon. By this arrangement, the single spring d^4 , e' may be made to serve for retaining the paper in position upon the ledge or desk under proper tension. In the drawings, 45 the paper is shown slightly elevated therefrom, merely for the purpose of illustration, but my improved construction will hold the paper securely in place until the roll is exhausted. The formation of the parts from integral stampings of sheet metal not only is extremely cheap, but provides a structure which is not liable to breakage or injury in the use thereof.

When the device is not required, it may be swung around to the back of the instrument, as indicated by the dotted line position of the pivoted arm, Fig. IV, 55 where it is entirely out of the way.

In Figs. VII, and VIII., I have shown merely a plain bracket for the rigid attachment of my improved device on a telephone wall set, table, desk or other desired position for use.

60 It is obvious that my improvements are not limited to all of the details set forth in explaining the embodiment of my invention, and I claim accordingly, and desire to secure by Letters Patent, the following:—

1. In a device of the class described, the combination 65 with a sheet metal frame shaped to provide a ledge or desk

and an upwardly extending support for a card index, of a card index mounted thereon; a roll of paper disposed beneath the card index with its outer end passing over the ledge or desk, and means for retaining said paper in position thereon, whereby memoranda from said card index 70 may be readily transcribed upon the paper and torn from the continuous roll, substantially as set forth.

2. In a device of the class described, the combination with a sheet metal frame shaped to provide a ledge or desk and an upwardly extending support for a card index, of a card index mounted thereon, a closure-part automatically serving to close the card-index, a roll of paper disposed beneath the card index with its outer end passing over the ledge or desk, and means for retaining said paper in position thereon, including a straight edge, whereby memoranda from said card index may be readily transcribed upon the paper and torn from the continuous roll, substantially as set forth. 75 80

3. In an attachment for telephones, the combination with a supporting bracket, of a pivoted arm carried thereby and mounting the attachment to swing in approximately a given plane into and out of its positions for use, and the attachment mounted at the end of said arm; said bracket being provided with a slot for retaining the attachment in its position of use, and with means for alternatively holding it out of the way of the user, substantially as set forth. 85 90

4. In an attachment for telephones, the combination with a bracket having an inclined surface or edge and adapted to be clamped upon an upright or standard, of a pivoted arm provided in said bracket and movable along said inclined edge thereof which terminates in a slot or depression, a spring acting upon the arm to retain it at the rearward portion of the inclined edge, and an attachment secured to the arm and adapted to be swung into and out of position for use, substantially as set forth. 95 100

5. In an attachment of the class described, the combination with a desk or ledge, of a roll of paper associated therewith and having its free end extending over the said desk, means for holding the paper thereon and for tearing off the written portion thereof, and a spring under tension normally actuating said desk into its folded position and out of the way of the user, substantially as set forth. 105

6. In an attachment for telephones, the combination with a support for a card index and a card index mounted therein, of a desk or ledge, a roll of paper associated therewith and having its free end extending over the said desk, means for holding the paper thereon and for tearing off the written portion thereof, and a spring under tension normally actuating said desk into its folded position substantially in the plane of the card index, substantially as set forth. 110 115

7. In a device of the class described, the combination with a sheet metal desk or ledge and its supporting bracket, of a roll of paper positioned beneath said desk or ledge and having its free end extending over the same, integral ears bearing upon the ends of the paper and serving to rotatably support the same, a spring engaging the surface of the roll of paper and a closely engaging straight edge bearing upon the paper at the lower portion of said desk or ledge and serving to hold the same in place and permit the tearing off of used portions of said roll of paper, substantially as set forth. 120 125

8. In a telephone attachment, the combination with a card index serving as a telephone directory, a sheet metal structure affording a support therefor and an adjacent ledge or desk, a closure-part for the card index normally retaining the same out of the way of the user, a paper roll disposed beneath the ledge or desk with its free end extending over the upper surface, means for holding the paper in place upon said desk, and a straight-edge for tearing the used portion therefrom, whereby the desired information may be transcribed from the card-index, and removed when the call has been made, substantially as set forth. 130 135

9. In a telephone attachment, the combination with a suitable support, of a card-index disposed therein, and normally retained for ready reference, a closure-part outwardly engaging said card-index, a spring under tension associated with said closure-part and adapted normally to maintain the card-index closed, an adjacent sheet-metal desk or ledge having the free end of a paper roll extendi 140 5

over the same, a paper roll, integral ears bearing upon the ends thereof, and serving rotatably to support said roll, a spring engaging the surface of the paper roll and a closely engaging straight-edge bearing upon the extremity of the paper at the lower portion of said desk or ledge, and serving to hold the same in place while permitting used portions of the paper to be torn off, substantially as set forth.

10. In a telephone attachment, the combination with an integral sheet-metal stamping forming a ledge or desk, supporting lugs, and a straight-edge, of a paper roll rotatably mounted between said lugs with its free end extending

across the desk and beneath the straight edge, and a spring bearing at its ends upon the paper roll and its extremity beneath the straight-edge, whereby the paper is retained in place for use or for tearing off the written portions thereof, substantially as set forth. 15

Signed at Cleveland, this 14th day of April, A. D. 1906, in the presence of two subscribing witnesses.

THEODORE ENDEAN. [L. S.]

Witnesses:

C. P. JOHNSON,
ALBERT LYNN LAWRENCE.