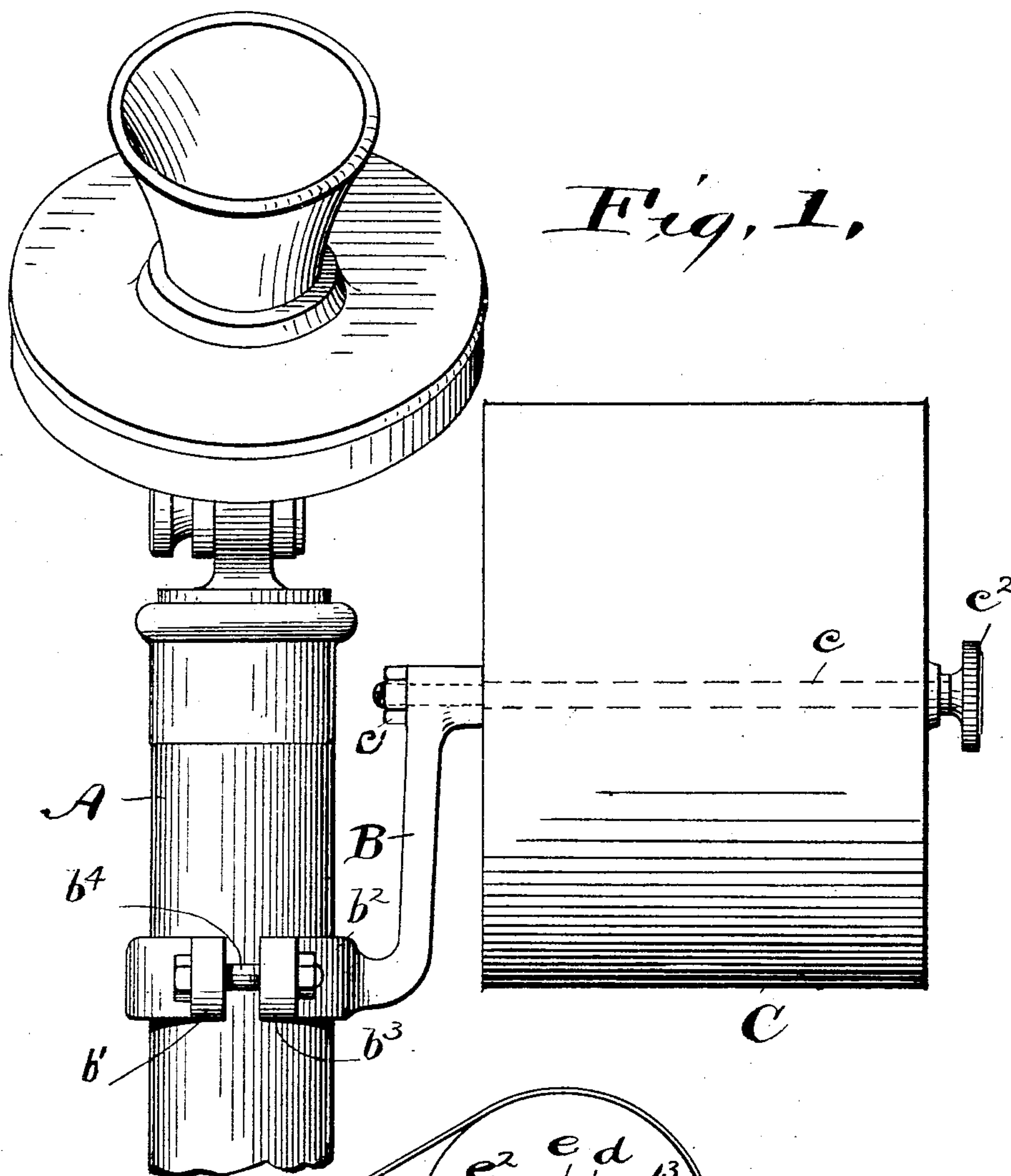


No. 746,021.

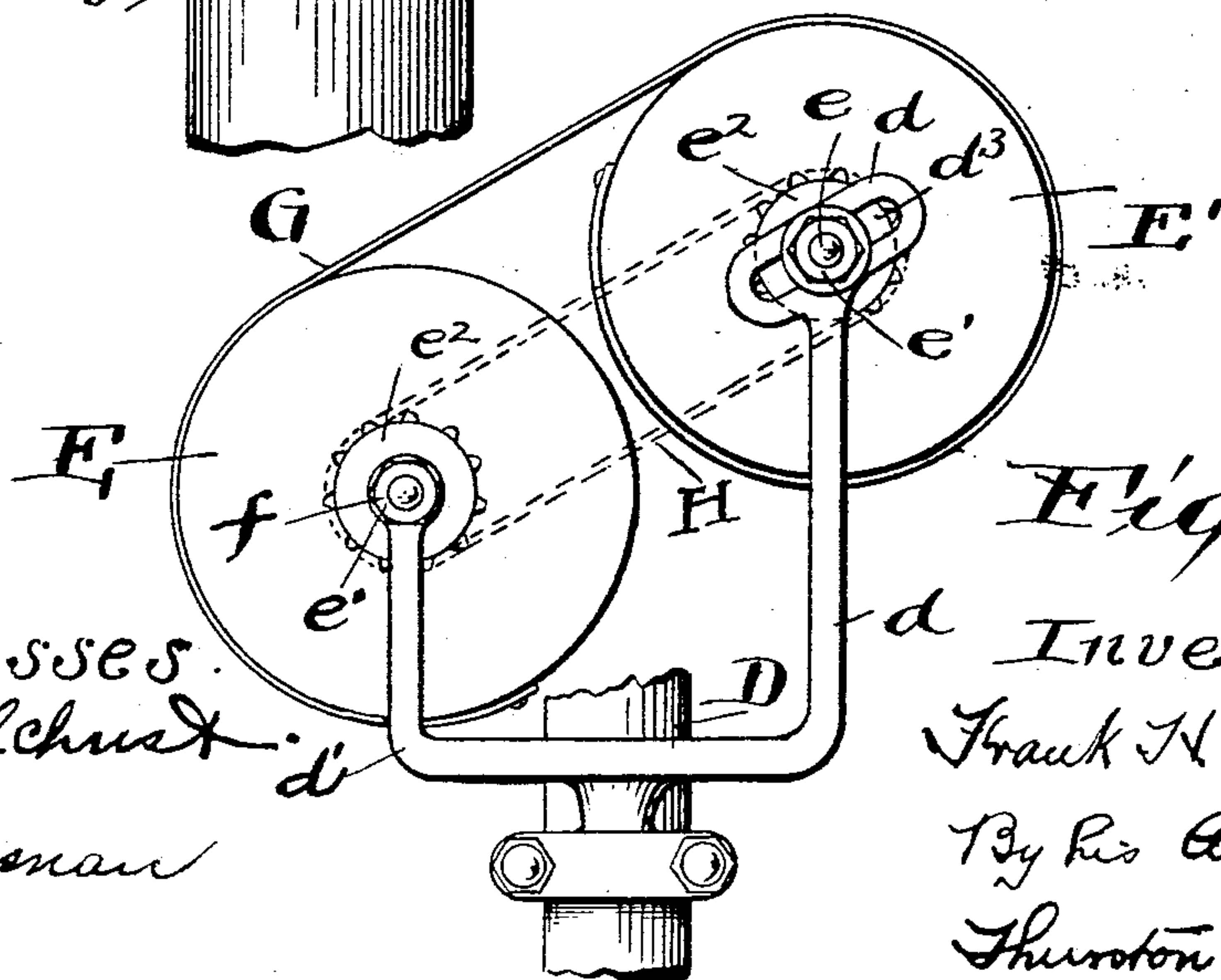
PATENTED DEC. 8, 1903.

F. H. CHAMBERLIN.  
TELEPHONE DIRECTORY.  
APPLICATION FILED JAN. 29, 1903.

NO MODEL.



*Fig. 1,*



*Fig. 2,*

Witnesses.

E. B. Gilchrist

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Inventor.

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By his Attorneys,

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# UNITED STATES PATENT OFFICE.

FRANK H. CHAMBERLIN, OF CLEVELAND, OHIO.

## TELEPHONE-DIRECTORY.

SPECIFICATION forming part of Letters Patent No. 746,021, dated December 8, 1903.

Application filed January 29, 1903. Serial No. 140,978. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK H. CHAMBERLIN, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Telephone-Directories, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

It is customary for users of telephones to have a list of calls which are used more frequently than others, placed conveniently near the instrument, so that said users may readily find the number of the desired call without looking for the same in the telephone-directory.

The object of this invention is to provide in connection with the standard of a desk-telephone instrument an endless movable surface having written or printed thereon the names and telephone-number of the persons whom the user most frequently desires to call; and the invention may be here summarized as consisting of the construction and combination of parts described in the specification and shown in the drawings as definitely set out in the claims.

Referring to the drawings, Figure 1 is a front view of one form of my device applied to a desk-telephone standard; and Fig. 2 is a side view of another form of the device, which, because of its greater capacity, is in many respects the preferred construction.

Referring to the parts by letters, A represents the vertical standard of an ordinary desk-telephone. Clamped to this standard is a bent arm B, to the upwardly-bent end of which a horizontal shaft  $c$  is secured. The lower end of this arm is provided with a clamping-plate  $b^2$ , concave on its inner surface to fit partly around the standard and having outwardly-projecting ears  $b^3$ . The other member  $b'$  of the clamp is shaped to fit the opposite side of the telephone-standard and has also laterally-projecting ears. The bolts  $b^4$  passing through these ears effectively clamp the arm B to the telephone-standard at any convenient elevation. The shaft  $c$  has preferably a reduced threaded end, which passes through a hole in the upper end of the arm B, and the shaft is rigidly fastened in place by a nut  $c'$ , screwing

onto the projecting threaded end. A cylinder C is rotatively mounted upon this shaft, whereon it is held by the head  $c^2$  of the shaft. Upon the endless surface of this cylinder the telephone names and numbers may be written or printed. In the construction shown in Fig. 2 an arm (indicated by D) is similarly clamped to the telephone-standard. The outer end of this arm is branched, and the two upwardly-extended branches  $d d'$  are preferably of unequal height, the arm  $d$ , intended to be farthest from the user, being the higher. To these branches the horizontal parallel shafts  $e f$  are secured. Preferably each shaft has a reduced threaded end, which passes through a hole in the branch with which it is associated, and said shafts are there secured by nuts  $e'$ . The hole  $d^3$ , through which one of the shaft ends passes, is in the form of a slot whose length is in the direction of a line passing through the axes of these shafts. This permits one shaft to be adjusted toward or from the other for the purpose of taking up slack in the connecting-chain H. The cylinders E E' are respectively mounted rotatively upon these two shafts, whereon they are held by heads upon the outer ends of said shafts. Secured to each of the cylinders is a sprocket-wheel  $e^2$ , over which the chain H passes. A strip G is secured at its ends and is wound upon said roll. On the surface of this band the telephone names and numbers are printed, and any one of them may be brought within view of the operator by turning either of said cylinders.

Having described my invention, I claim—

1. The combination with the standard of a telephone, of an arm, a clamping device for securing one end of arm to the telephone-standard, a shaft carried by the other end of the arm, and a device rotatably mounted upon said shaft and having a surface for names and telephone-numbers.

2. The combination with a standard of a telephone, of an arm clamped thereto, a horizontal shaft secured to the outer end of said arm, and a cylinder rotatively mounted upon said shaft.

3. The combination with the standard of a telephone, of an arm clamped to said standard and having two branches at its outer end, two parallel horizontal shafts secured to



said branches, cylinders rotatively mounted on said shafts, and a flexible strip secured to and wound upon said cylinders.

4. The combination with the standard of a telephone, of an arm, having at its outer end two branches, of which one is higher than the other, a clamping device for securing the inner end of said arm to the telephone-standard, two parallel horizontal shafts secured respectively to the outer ends of said branches, one of the branches having a slot through which the associated shaft passes, whereby said shaft may be adjusted, cylinders rotatively mounted upon said shafts, and a strip secured to and wound upon said cylinders.

5. The combination with the standard of a telephone, of an arm, having at its outer end two branches of which one is higher than

the other, a clamping device for securing the inner end of said arm to the telephone-standard, two parallel horizontal shafts secured to the outer ends of said branches, one of the branches having a slot through which the associated shaft passes, whereby said shaft may be adjusted, cylinders rotatively mounted upon said shafts, a strip secured to and wound upon said cylinders, sprocket-wheels secured to said cylinders, and a sprocket-chain.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

FRANK H. CHAMBERLIN.

Witnesses:

ALBERT H. BATES,  
N. L. BRESNAN.