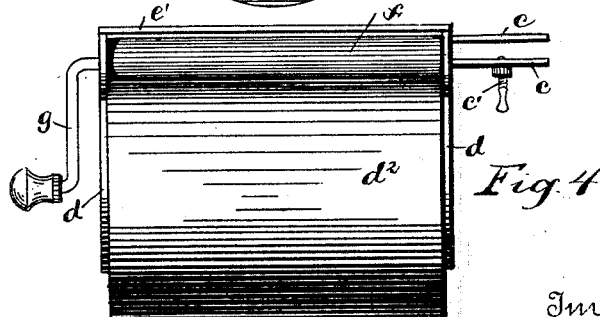
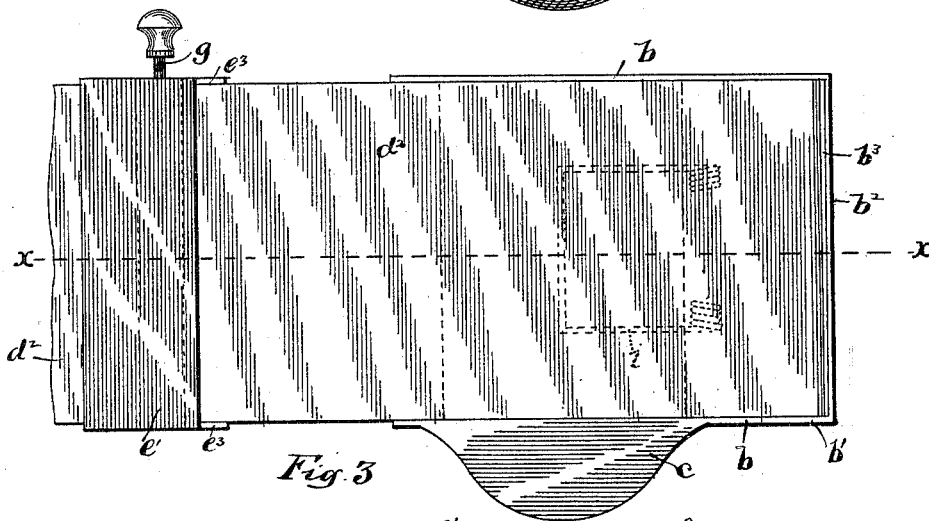
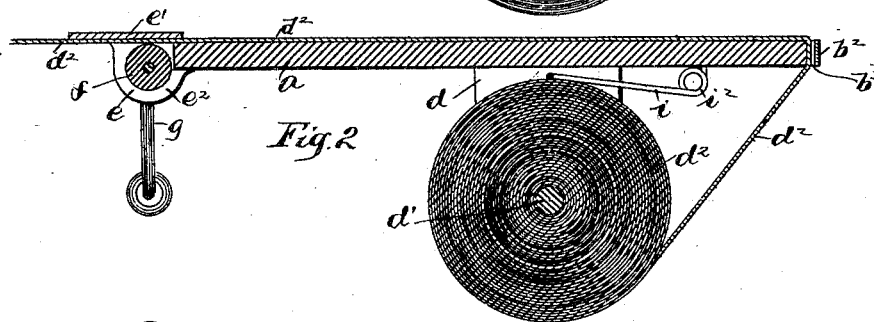
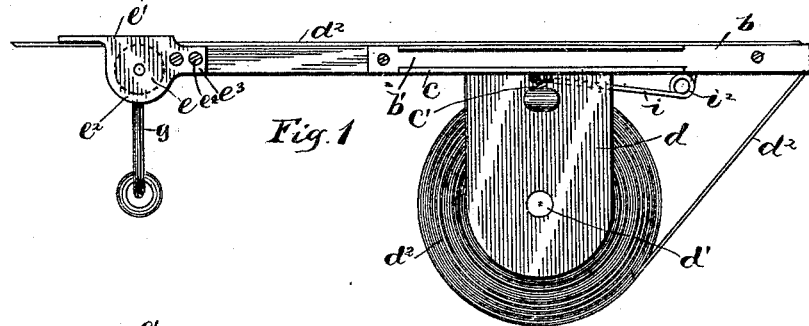


(No Model.)

W. M. KLEEMAN.  
MEMORANDUM TABLET FOR TELEPHONES.

No. 491,777.

Patented Feb. 14, 1893.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## MEMORANDUM-TABLET FOR TELEPHONES.

SPECIFICATION forming part of Letters Patent No. 491,777, dated February 14, 1893.

Application filed April 11, 1892. Serial No. 428,726. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM M. KLEEMAN, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Memorandum-Tablets for Telephones, of which the following is a specification.

My invention relates to the improvement of memorandum attachments for telephone boxes and the objects of my invention are to provide an attachment of this class of superior construction and arrangement of parts; to admit of its ready attachment to the battery box top-plate or other projecting framework and to otherwise produce a simple, neat and convenient form of memorandum attachment or tablet. These objects I accomplish in the manner illustrated in the accompanying drawings, in which,

Figure 1 is a side elevation of my improved tablet. Fig. 2 is a central longitudinal section on line  $x-x$  of Fig. 3. Fig. 3 is a plan view and Fig. 4 is an end view.

Similar letters refer to similar parts throughout the several views.

$a$  represents a tablet or top-plate which is preferably of the oblong form shown. Secured to and binding against the sides of the plate  $a$  are arms  $b$  of a substantially U-shaped casting  $b'$ . The central or arm connecting portion  $b^2$  of the casting  $b'$  is as shown, parallel with the outer end of the tablet plate  $a$  and at such distance therefrom as to provide between said casting portion  $b^2$  and the end of said tablet plate, a slotted opening or transverse guide-way  $b^3$ . Formed with the casting  $b'$  and projecting laterally from one of the arms  $b$  thereof, are two parallel lips  $c$  arranged one above the other, at such distance apart and adapted to receive as hereinafter described, the frame top-plate of the battery box of a telephone. Engaging with a vertical screw threaded hole in the lower clamping lip  $c$  and adapted to pass therethrough is a suitable set-screw  $c'$ .

Formed with each of the arms  $b$  and extending vertically downward therefrom is a plate  $d$ , said plates being arranged opposite each other, as shown. In the lower portion of each of the plates  $d$  are formed suitable journal bearings for the ends of a transverse reel rod

$d'$ , said reel rod forming a bearing center for a roll of paper  $d^2$  which is thus supported transversely between the plates  $d$ . The inner end of the tablet plate  $a$  is provided as shown at  $e$  with a transverse casting. This casting  $e$  consists of a top plate  $e'$  which extends beyond and slightly above the end of the tablet plate  $a$ , ears  $e^2$  which extend downwardly from the ends of said top-plate and arms or lugs  $e^3$  which project rearwardly from said ears and are secured by screws or otherwise as indicated at  $e^4$  to the sides of the plate  $a$ . Within the centers of the ears  $e^2$  are journaled the bearing ends of a transverse roller  $f$ , the body of which is preferably of rubber or other similar material, and which is of such circumference as to leave room between its periphery and the top-plate  $e'$  of the casting for the passage of a paper strip, as hereinafter described. One end of the roller  $f$  is provided on the outer side of one of the ears  $e^2$  with a suitable crank handle  $g$ .

$i$  represents a substantially U-shaped spring, the parallel arms of which are coiled as shown at  $i^2$ , said coiled portions being secured to the underside of the plate  $a$ , near the outer end thereof. The remaining portion of said spring projects forwardly and bears and exerts a spring pressure upon the upper side of the spring roller  $d^2$ .

As shown in the drawings, the paper from the roll  $d^2$  extends outward and is fed up through the slotted opening  $b^3$  at the outer end of the plate  $a$  from whence the paper strip is carried forward upon the upper face of the plate  $a$  and passes outward beneath the top-plate  $e'$  of the casting  $e$ .

The device herein described having been connected with the edge of the top-plate of a battery box by embracing said edge between the lips  $c$  and turning upwardly the set-screw  $c'$  until the inner end of the latter is clamped against the under side of the box top, it will be seen that a convenient tablet or desk extension of the box top is readily formed. It will also be seen that the paper-covered top of the tablet plate will present at all times a pencil tablet which may be utilized for making memorandums of telephone conversations.

A clean paper cover or tablet may be substituted by turning the crank handle  $g$  which in turn will rotate the roll  $f$ , causing the lat-

ter through the engagement of its periphery with the paper strip to draw said paper strip forward from the paper roll. The end of the strip which has thus been utilized and drawn from the tablet face may be readily torn off by pulling the same upward against the outer end of the top-plate *e'* of the casting *e* and thus utilizing said top plate as a straight edge. During the above described feeding movement of the paper, it will be seen that the pressure of the spring *i* upon the paper roll will serve to prevent a too rapid rotation of said roll and result in the paper covering of the tablet being held taut.

It is evident that the castings *b'* and *e* might be formed integral and that other similar changes in the formation of the elements of my device may be made without altering the principle thereof.

From the construction herein shown and described, it will readily be seen that an exceedingly simple and convenient memorandum attachment for telephone boxes is produced, which may be constructed at a low cost of manufacture and which may be readily connected with the ordinary telephone box.

Having now fully described my invention, what I claim and desire to secure by Letters Patent is,

1. In a memorandum tablet for telephones, the combination with the plate *a*, slotted opening *b*<sup>3</sup> in one end thereof, and a paper roll journaled beneath said plate, of an end plate *e'* and a feed roller journaled beneath the latter, substantially as and for the purpose specified.

2. In a memorandum tablet for telephones, the combination with the plate *a* having a slotted opening in one end, clamping lips *c* projecting from one side thereof, downwardly extending plates *d*, a paper roll journaled between said plates *d* and *a*, spring *i* secured at one end to the plate *a*, and having its remaining end in spring contact with said paper roll, of the end extension plate *e'* and a feed roller journaled beneath the latter and means for rotating the same, substantially as specified.

WILLIAM M. KLEEMAN.

In presence of—

C. C. SHEPHERD,

H. B. BRADSHAW.