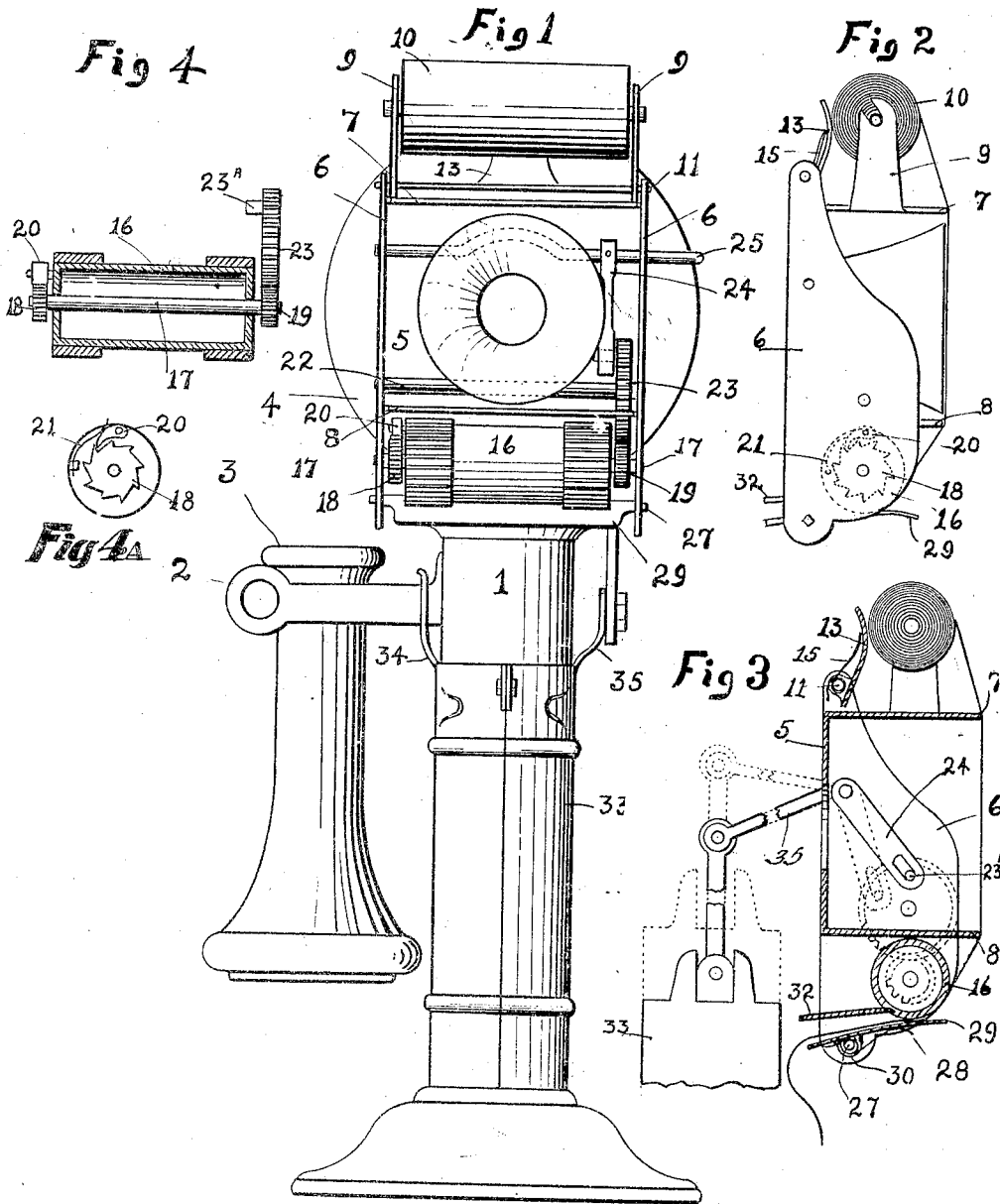


G. S. BENNETT.
 SANITARY GUARD FOR TELEPHONES.
 APPLICATION FILED MAR. 8, 1911.

1,047,121.

Patented Dec. 10, 1912.
 2 SHEETS—SHEET 1.



WITNESSES

H. B. Clark
 Eleanor T. Clark

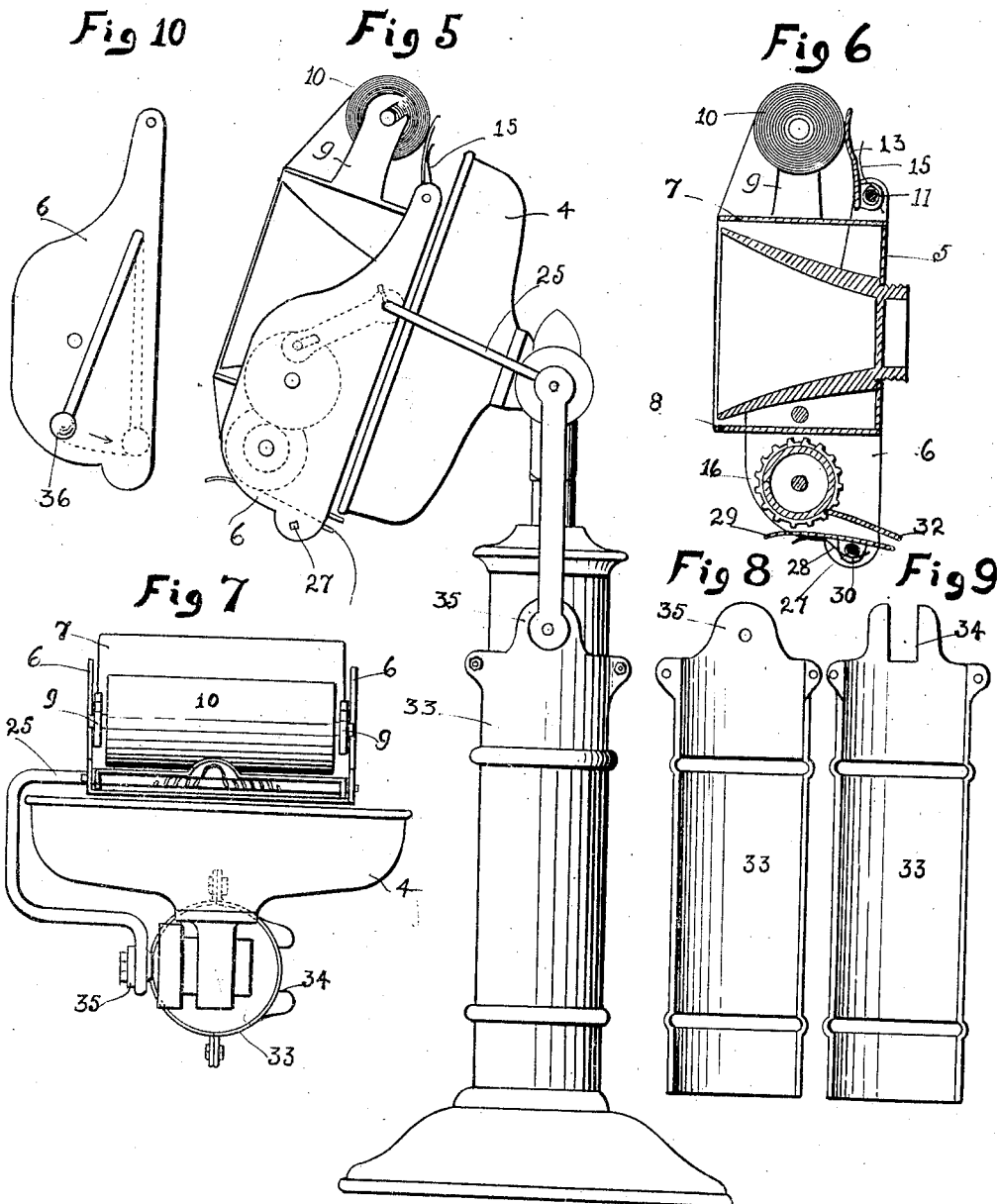
INVENTOR

George S. Bennett
 BY
 Carlos P. Griffin
 ATTORNEY

G. S. BENNETT.
 SANITARY GUARD FOR TELEPHONES.
 APPLICATION FILED MAR. 8, 1911.

1,047,121.

Patented Dec. 10, 1912.
 2 SHEETS—SHEET 2.



WITNESSES

H. B. Clark
 Eleanor N. Blake

INVENTOR

George S. Bennett.

BY

Carlos P. Griffin
 ATTORNEY

UNITED STATES PATENT OFFICE.

GEORGE S. BENNETT, OF SAN FRANCISCO, CALIFORNIA.

SANITARY GUARD FOR TELEPHONES.

1,047,121.

Specification of Letters Patent.

Patented Dec. 10, 1912.

Application filed March 8, 1911. Serial No. 613,189.

To all whom it may concern:

Be it known that I, GEORGE S. BENNETT, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented a new and useful Sanitary Guard for Telephones, of which the following is a specification in such full and clear terms as will enable those skilled in the art to construct and use the same.

This invention relates to a sanitary device for telephone mouth pieces. Its object is to provide means whereby the mouthpiece of the telephone will be kept from accumulating disease germs from the sputum of telephone users.

Another object of the invention is to provide means whereby the protective covering of the mouthpiece will be automatically shifted when the telephone user picks up the telephone.

Other objects will appear as the description proceeds.

In the drawings in which the same numeral reference is applied to the same portion throughout the several views, Figure 1 is a front elevation of a portable telephone having the mouthguard applied thereto. Fig. 2 is a side elevation of the mouthguard looking from the left of Fig. 1. Fig. 3 is a view in vertical section of the device showing the operating mechanism. Fig. 4 is a view partly in section illustrating the paper feed roll. Fig. 4^a is an end view of the paper feed roll. Fig. 5 is a side elevation of a portable telephone having the mouthguard applied thereto. Fig. 6 is a vertical section through the mouthguard and mouthpiece of the telephone and looking in the opposite direction from Fig. 3. Fig. 7 is a plan of the sending apparatus of the telephone showing the mouthguard applied thereto. Fig. 8 is a side elevation of one of the halves of the sleeve used for operating the paper feed roll. Fig. 9 is a side elevation of the other half of the sleeve for operating the paper feed roll, and Fig. 10 is a side elevation of one of the mouthguards showing a modified form of operating lever.

The numeral 1 represents an ordinary desk telephone having a receiver fork 2 upon which the receiver 3 is placed; 4 rep-

resents the sending apparatus of the telephone on which is secured this attachment. 55

The numeral 5 represents a plate which is secured to the telephone sending apparatus by screwing the mouthpiece into the usual position through said plate. The plate 5 is provided with forwardly projecting flanges 6 at each side thereof, which flanges support the paper roll and the apparatus for shifting the paper used to prevent soiling the mouthpiece. Projecting forwardly from the top and bottom of the plate 5 are two skeleton frames 7 and 8, each of which serves to guide and hold the paper in the proper position in front of the mouthpiece. The upper guide 7 is provided with upwardly projecting ears 9 70 which are slotted to support a paper supply roll 10. At the upper end of each of the set of flanges 6 there is an opening in which a rod 11 is inserted, said rod carrying a spring 15 which bears upon a presser plate 75 13, said presser plate bearing in turn upon the paper roll to regulate the tension of the paper as it is pulled across the mouthpiece. This presser plate has two backwardly extending ears through each of which passes 80 the rod carrying the spring 15.

At the lower portion of the flanges 6 there is a paper feed roll 16. This paper feed roll is loosely journaled upon a shaft 17 said shaft having a ratchet wheel 18 at one 85 end and a small pinion 19 at the other end. The paper feeding roll has a pawl 20 which bears upon the ratchet pinion, a spring 21 holding said pawl in engagement with said ratchet pinion, thus preventing the paper 90 feeding roll from moving in one direction. Above the paper feeding roll there is a shaft 22 having a pinion 23 thereon, said pinion 23 being in mesh with the small pinion on the shaft of the paper feed roll. 95 The large pinion is provided with a pin 23^a which projects through a slot in an operating arm 24. The arm 24 is carried by a shaft 25 supported by the side flanges 6, and extending around the receiving apparatus 100 to the center of movement thereof.

Below the paper feed roll there is a small shaft 27 carried by the flanges 6, said shaft having a spring 28 thereon which bears upon the presser plate 29, the latter having 105 ears 30 through each of which the said shaft

passes. The paper feed roll is provided with two rubber or other friction material surfaces at its end. The friction members at each end of the paper feed roll leave a depression at the center thereof, said depression being for the purpose of accommodating a guide plate 32 immediately under the paper feed roll and in back of the presser plate bearing upon the feed roll. The back of the presser plate is suitably sharpened or roughened to facilitate tearing off the used strip of paper.

The standard of the telephone has a tube 33 surrounding the same said tube being made in two parts for the purpose of readily placing the same upon the telephone standard, and it is provided with a slot 34 to prevent the same from twisting around the standard, said slot moving along the receiver arm when the standard is picked up. Extending from the top of the sleeve is a link 35 which link connects with the rearwardly extending arm of the operating shaft and enables the paper feed roll to be moved such an amount as may be necessary each time the telephone is lifted up.

Where it is desired to use a wall telephone instead of a portable telephone the operating shaft is turned downwardly so that it is in convenient reach of the telephone user as shown at 36, thus enabling the paper to be fed across the mouthpiece should the telephone be one of the so called "wall telephones" or should it be desired to operate without the automatic feature.

The operation of the device is as follows:—The paper supply roll is placed upon the upwardly projecting ears at the top of the device, the presser plate bearing thereon. The paper is then pulled across the mouthpiece, over the guides and is inserted between the roller and the presser plate bearing thereon. The device is thus ready for use and each time the telephone is picked up the sleeve thereon will lift the operating arm and cause a certain amount of paper to be pulled across the mouthpiece, thus presenting a fresh piece of paper for the telephone user.

Having thus described my invention what I claim as new and desire to secure by Letters Patent of the United States, is as follows:—

1. A sanitary device for telephones comprising a frame adapted to be secured to the sending apparatus of a telephone, a paper roll, means to support said paper roll on said frame, guides to hold said paper in front of the mouthpiece of a telephone, a paper feed roll journaled in said frame, and means to cause said feed roll to pull a predetermined quantity of paper across said telephone mouthpiece when the telephone is lifted up, substantially as described.

2. A sanitary device for telephones com-

prising a frame adapted to be secured to the sending apparatus of a telephone, a paper roll, means to support said paper roll on said frame, guides to hold said paper in front of the mouthpiece of a telephone, a paper feed roll journaled in said frame, means to cause said feed roll to pull a predetermined quantity of paper across said telephone mouthpiece when the telephone is lifted up, and means to prevent said paper feed roll from rotating in the reverse direction, substantially as described.

3. A sanitary device for telephones comprising a frame adapted to be secured to the sending apparatus of a telephone, a paper roll, means to support said paper roll on said frame, a presser plate bearing upon said paper roll, guides to hold said paper in front of the mouthpiece of a telephone, a paper feed roll journaled in said frame, a sleeve slidable on the telephone support operatively connected to the feed roll to cause said feed roll to pull a predetermined quantity of paper across said telephone mouthpiece, and means to prevent said paper feed roll from rotating in the reverse direction, substantially as described.

4. A sanitary device for telephones comprising a frame adapted to be secured to the sending apparatus of a telephone, a paper roll, means to support said paper roll on said frame, a presser plate bearing upon said paper roll, guides to hold said paper in front of the mouthpiece of a telephone, a paper feed roll journaled in said frame, a presser plate bearing thereon, means to feed a predetermined length of paper across the mouthpiece of said telephone, and a slidable sleeve on the telephone standard to operate the feed mechanism, substantially as described.

5. A sanitary device for telephones comprising a frame adapted to be secured to the sending apparatus of a telephone, a paper roll, means to support said paper roll on said frame, a presser plate bearing upon said roll, guides to hold said paper in front of the mouthpiece of a telephone, a paper feed roll journaled in said frame, a presser plate bearing thereon, means to feed a predetermined length of paper across the mouthpiece of said telephone, a slidable sleeve on the telephone standard to operate the feed mechanism, and means to prevent said feed roll from rotating in the reverse direction, substantially as described.

6. A sanitary device for telephones comprising a frame adapted to be secured to the sending apparatus of a telephone, a paper roll, means to support said paper roll on said frame, guides to hold said paper in front of the mouthpiece of a telephone, a paper feed roll, means to cause said feed roll to pull a predetermined quan-

5 tity of paper across said telephone mouth-
piece, a slidable sleeve to operate the
paper feed mechanism, and a plate to pre-
vent said paper from winding up on said
feed roll, substantially as described.

10 7. A sanitary device for telephones com-
prising a frame adapted to be secured to the
sending apparatus of a telephone, a paper
roll, means to support said paper roll on
said frame, guides to hold said paper in
15 front of the mouthpiece of a telephone, a
paper feed roll, a pressure plate bearing
thereon, means to cause said roll to pull a
predetermined length of paper across said
mouthpiece, a slidable sleeve on the tele-
20 phone stand to operate the paper feed
mechanism, and means to prevent said paper
from winding up on said feed roll, substan-
tially as described.

25 8. A sanitary device for telephones com-
prising a frame adapted to be secured to
the sending apparatus of a telephone, a
paper roll, means to support said paper roll
on said frame, guides to hold said paper in
front of the mouthpiece of said telephone, a
paper feed roll, an operating lever for rotat-

ing said feed roll, and a sleeve carried by
the telephone stand for operating said roll
when the telephone stand is picked up,
substantially as described.

30 9. A sanitary device for telephones com-
prising a telephone stand, a frame adapted to
be secured to the transmitter of a telephone, a
paper roll, means to support said paper roll
on said frame, guides to hold said paper in
35 front of the mouthpiece of the telephone,
a paper feed roll, an operating lever for
rotating said feed roll, means to prevent
said feed roll from rotating in the reverse
direction, and a sleeve slidable on the said
40 telephone stand for operating said feed roll
when the telephone is picked up, substan-
tially as described.

In testimony whereof I have hereunto
set my hand this 11th day of February, 45
A. D. 1911, in the presence of the two sub-
scribed witnesses

GEORGE S. BENNETT.

Witnesses:

C. P. GRIFFIN,
L. H. ANDERSON.