June 2, 1931. W. N. HILL 1,808,037

TOY TELEPHONE

Filed Sept. 25, 1930

Fig. 1.

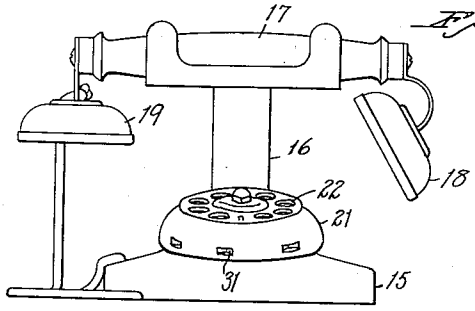


Fig. 2.

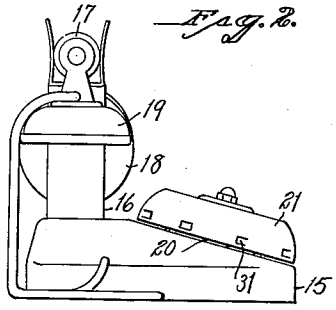


Fig. 3.

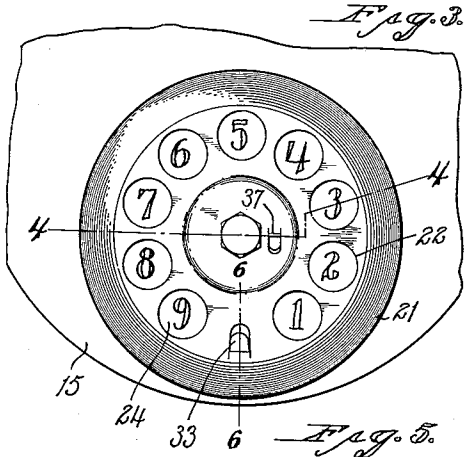


Fig. 4.

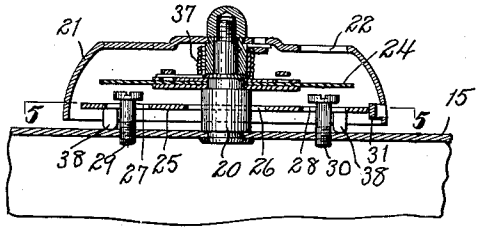


Fig. 5.

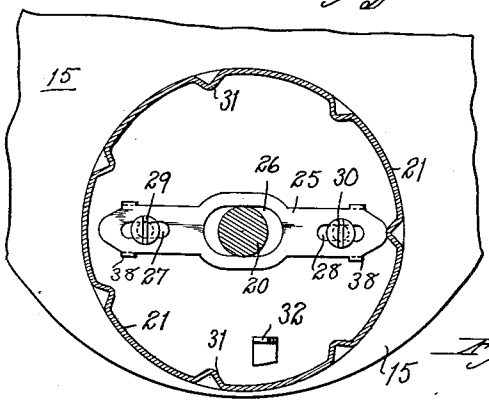


Fig. 8.

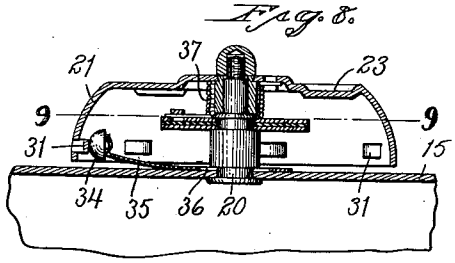


Fig. 9.

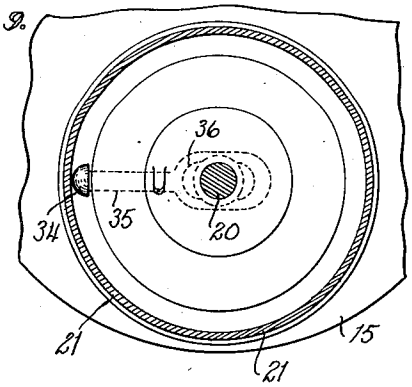


Fig. 6.

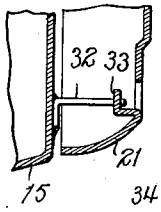


Fig. 7.

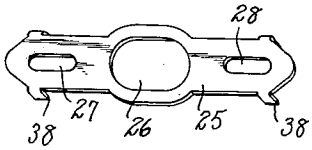
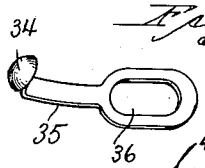


Fig. 10.



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UNITED STATES PATENT OFFICE

WYMAN N. HILL, OF EAST HAMPTON, CONNECTICUT, ASSIGNOR TO THE N. N. HILL BRASS COMPANY, OF EAST HAMPTON, CONNECTICUT, A CORPORATION

TOY TELEPHONE

Application filed September 25, 1930. Serial No. 484,277.

This invention relates to improvement in toy telephones of the dial type, the object of the invention being to provide a toy telephone of attractive style in which the bell and dial are formed in one piece, and the invention consists in the construction as hereinafter described and particularly recited in the claims.

In the accompanying drawings:

Fig. 1 is a front view of a toy telephone constructed in accordance with my invention;

Fig. 2 is a side view of the same;

Fig. 3 is an enlarged top view of the combined bell and dial;

Fig. 4 is a sectional view taken on the line 4—4 of Fig. 3;

Fig. 5 is a sectional view taken on the line 5—5 of Fig. 4;

Fig. 6 is a sectional view taken on the line 6—6 of Fig. 3;

Fig. 7 is a perspective view of the hammer detached;

Fig. 8 is a sectional view illustrating a modified form of the dial in which the operating means consists of depressions in the top of the bell and also illustrating a modified form of hammer;

Fig. 9 is a sectional view taken on the line 9—9 of Fig. 8; and

Fig. 10 is a perspective view of the hammer shown in Figs. 8 and 9 detached.

In carrying out my invention I employ a base 15 provided with an upright 16 which forms a support for a receiver of any desired type, herein shown as of the continental type, which consists of a handle 17 with a transmitter 18 at one end and a receiver 19 at the other end.

Mounted upon a post 20 fixed in the base 15 is a bell 21. This bell may have perforations 22 by which the bell may be rotated or the bell may be formed with finger-depressions 23 into which the finger may extend so as to rotate the bell. If the perforations are used, a disk 24 will be mounted on the post and so that a series of numbers thereon will be exposed through the opening. On the other hand, if the depressions 23 are employed, the series of numbers will be stamped in the bottoms of the depressions.

Within the bell and supported on the base by feet 38 is a transversely-arranged sliding-hammer 25 formed with a central loop 26 through which the post extends and with slots 27 and 28 through which screws 29 and 30 extend, so as to prevent the hammer from turning but allow it to move longitudinally.

The bell is formed in its rim with a series of inwardly-extending projections 31 in the path of the ends of the hammer 25 and so that when the bell is rotated, one of the projections will strike one end of the hammer and throw it transversely so as to strike the opposite side of the bell.

In the continued movement of the bell, a projection will strike the other end of the hammer and throw it in the opposite direction.

The base will also be formed with an upwardly-extending lug 32 adapted to be engaged by an inwardly-extending finger 33 formed in the bell in a position to engage the lug so as to limit the rotary movement of the bell. Instead of providing a sliding-hammer 25, the hammer may consist of a head 34 mounted on the end of an arm 35 which is secured to the base by the post 20 and may have a slot 36 by which it may be adjusted if necessary. This head 34 standing in the path of the projections 31 will cause the bell to sound when it is rotated.

A spring 37 may be connected with the bell and with the post so as to return the bell to its normal position when released after turning. In either construction, the dial is formed integral with the bell and so that the bell itself is directly rotated by the operator.

I claim:

1. A bell for toy telephones having its top provided with a plurality of means for its digital step-by-step rotation in dialing the toy and said bell being provided with a plurality of ringing-projections for engaging a striker when it is so rotated.

2. A bell for toy telephones having its top provided with a plurality of means for its digital step-by-step rotation and said bell being also provided with a plurality of ring-

ing-projections, and means located within the interior of the bell for being engaged by the said projections for sounding the bell when it is rotated.

3. In a toy telephone, the combination with a bell having a circular series of perforations in its top for its digital step-by-step rotation and said bell also having a plurality of ringing-projections, of a disk centrally located with respect to the said bell and having indicia corresponding to the perforations therein; and a striker arranged to be engaged by the said ringing projections when the bell is rotated.

4. In a toy telephone, the combination with a base, of a receiver-holder upstanding therefrom, a bell superimposed upon the said base and having in its top a plurality of means for its differential digital rotation and said bell provided also with a plurality of ringing projections; and a striker for engagement by the said projections.

5. In a toy telephone, the combination with a base, of a receiver-holder upstanding therefrom, a bell superimposed upon the said base in front of the said receiver-holder and formed in its top with a circular series of perforations by means of which it is differentially rotated by the fingers and said bell also provided with a plurality of ringing-projections, and a striker carried by the base in position to be engaged by the said projection when the bell is rotated.

6. A bell-member or gong for toy telephones having its domical body-portion provided with means to serve for its step-by-step digital rotation in dialing the toy.

7. A bell-member or gong for toy telephones having the exterior surface of its domical body-portion provided with a plurality of means for its step-by-step digital rotation in dialing the toy.

8. A bell-member or gong for toy telephones having its domical body-portion provided with a circle of perforations for its step-by-step digital rotation in dialing the toy.

In testimony whereof, I have signed this specification.

WYMAN N. HILL.