

Mar. 27, 1923.

S. HASKELL.
TALKING DOLL.
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1,449,601.

Fig. 1.

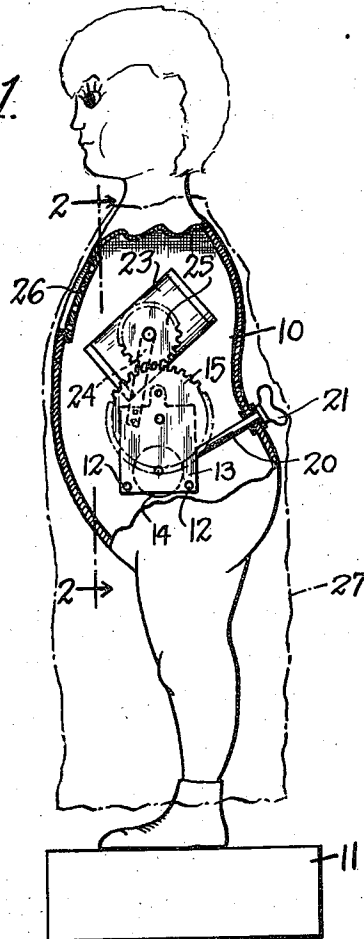
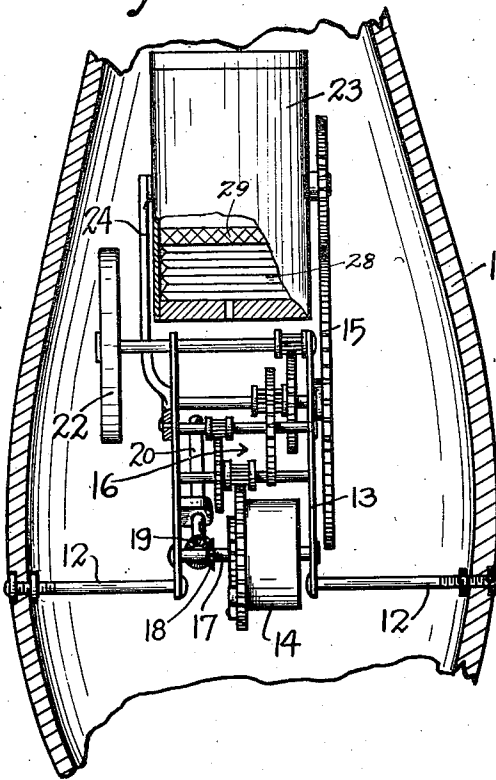


Fig. 2.



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SAMUEL HASKELL, OF BROOKLYN, NEW YORK.

TALKING DOLL.

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To all whom it may concern:

Be it known that I, SAMUEL HASKELL, a citizen of Russia, residing at Brooklyn, Kings County, State of New York, have invented certain new and useful Improvements in Talking Dolls, of which the following is a specification.

This invention relates to talking dolls and in particular to one from which the sound will issue intermittently.

A particular object of the invention is to provide a doll or toy figure with a mechanism which when set will operate continuously a voice member, the latter emitting at intervals in its rotary movement a word such as "Mama."

Another object is to provide a mechanism which can be placed within the body of the doll where it will be concealed.

Referring to the drawings wherein one embodiment of my invention is illustrated;

Fig. 1 is a side elevation of a doll partly in section showing the relative position of the operating mechanism and the voice member and;

Fig. 2 is an enlarged section taken approximately on the line 2—2 of Fig. 1, showing a front view of the mechanism and its associated member as seen in Fig. 1.

Referring to the drawing in detail, in which I have used a doll for illustration and do not wish to be limited to any particular figure, 10 denotes the doll which is preferably of hollow construction and is mounted upon a suitable base 11. Inside the doll and suspended in its mid-portion as by the bolts 12 is a frame 13 in which is held the spring 14 used in operating the driving gear 15 through a suitable reducing gear train denoted generally by 16. The spring is wound through the turning movement of its shaft 17 which carries a small bevel pinion 18 which meshes with and is revolved by a similar pinion 19. The latter pinion is carried on the end of a key shaft 20 which extends obliquely rearward through the back of the doll and carries exteriorly thereof a suitable winding key 21. The mechanism 16 is provided with a drag in the form of a weighted disk 22 which acts to slow the said mechanism down to provide suitable revolutionary speed to the voice member 23. The voice member, may be of any well known make which for example upon being partly revolved and turned back again will emit a sound which closely imitates that of

a baby saying "Mama," is pivoted on the end of an arm 24 which is fastened to and extends upwardly from the frame 13. 28 indicates a conventional voice producing mechanism which is automatically operated by the sliding weight 29. Secured on the opposite side of the member 23 and having its center diametrically opposite that of the pivot point of the arm 24 is a driven gear 25 which meshes with and is turned by the driving gear 15. The ratio between the gears 25 and 15 allows of a slow even turning movement of the latter which revolves the voice member 23 and causes it to emit at regular intervals a voice sound.

In order that the sound may escape from the interior of the doll, I provide a perforated plate 26 which may be secured at any convenient point in the doll, preferably adjacent the voice member 23.

The doll or figure will be suitably covered with a garment 27 which will conceal the perforated plate 26 and the key 21.

What I claim is:—

In combination with a toy figure, a voice member rotatable with respect to said figure and adapted to intermittently produce a word sound at a point in its rotation, a spring operated mechanism for revolving said voice member, means connecting said voice member and said mechanism whereby the former will be given a slow rotary movement and a governor for regulating the turning speed of said voice member.

2. In combination with a doll or like figure, a voice member rotatably mounted therein, said voice member being adapted to emit a voice sound at a point in its rotation, a spring operated mechanism contained within said figure, means connecting said voice member and said mechanism whereby the former will be given a slow rotary movement a frame in which said mechanism is retained, and means connected with the walls of said figure for maintaining said frame in position within said figure.

3. In combination with a hollow doll or like figure, a voice member within said figure said voice member being adapted to emit a voice sound at a point in its rotation, a spring driven mechanism contained within said figure and adjacent said voice member, a frame for said mechanism, an arm associated with said frame and adapted to pivotally support said voice member, and means

connecting said voice member and said mechanism whereby the former will be given a slow rotary movement.

4. In combination with a hollow doll or like figure, a voice member within said figure, a spring driven mechanism contained within said figure and adjacent said voice member, a frame for said mechanism, an arm associated with said frame and adapted to pivotally support said voice member said voice member being adapted to emit a voice sound at a point in its rotation, and means connecting said voice member and said mechanism whereby the former will be given a slow rotary movement, said means comprising a driven gear fixed to said voice member diametrically opposite its pivot point and a driving gear operated by said mechanism.
5. In combination with a doll or like figure, a voice member rotatably mounted therein, said voice member being adapted to emit a voice sound at a point in its rotation, a spring operated mechanism contained within said figure, means connecting said voice member and said mechanism whereby the former will be given a slow rotary movement a frame in which said mechanism is retained, and means connected with the walls of said figure for maintaining said frame in position within said figure, a spring winding shaft adapted to extend from said mechanism through the wall of said figure, and a key on said shaft exteriorly of said figure.

6. In combination with a doll or like figure a voice member rotatably mounted there-

in, said voice member being adapted to emit a voice sound at a point in its rotation, a spring operated mechanism contained within said figure, means connecting said voice member and said mechanism whereby the former will be given a slow rotary movement a frame in which said mechanism is retained, and means connected with the walls of said figure for maintaining said frame in position within said figure, and a perforated plate fixed in the wall of the figure through which the voice sound may pass to the exterior of said figure.

7. In combination with a toy figure, a voice member continuously rotatable in one direction and adapted to periodically produce a word sound at a point in its rotation, and means disposed within said figure for rotating the voice member.

8. In combination with a toy figure, a voice member continuously rotatable in one direction with respect to said toy figure, said voice member being adapted to periodically produce a word sound during its cycle of rotation, and means for rotating the voice member.

9. In combination with a toy figure, a rotatable member, a voice member rotatable therewith and adapted to produce a word sound at a point in its rotation, actuating means for said voice member, and means separate from said actuating means for rotating said rotatable member.

In testimony whereof I hereunto affix my signature.

SAMUEL HASKELL.