Nov. 29, 1927. 1,651,137

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SOUNDING FIGURE TOY

Filed Jan. 20, 1926

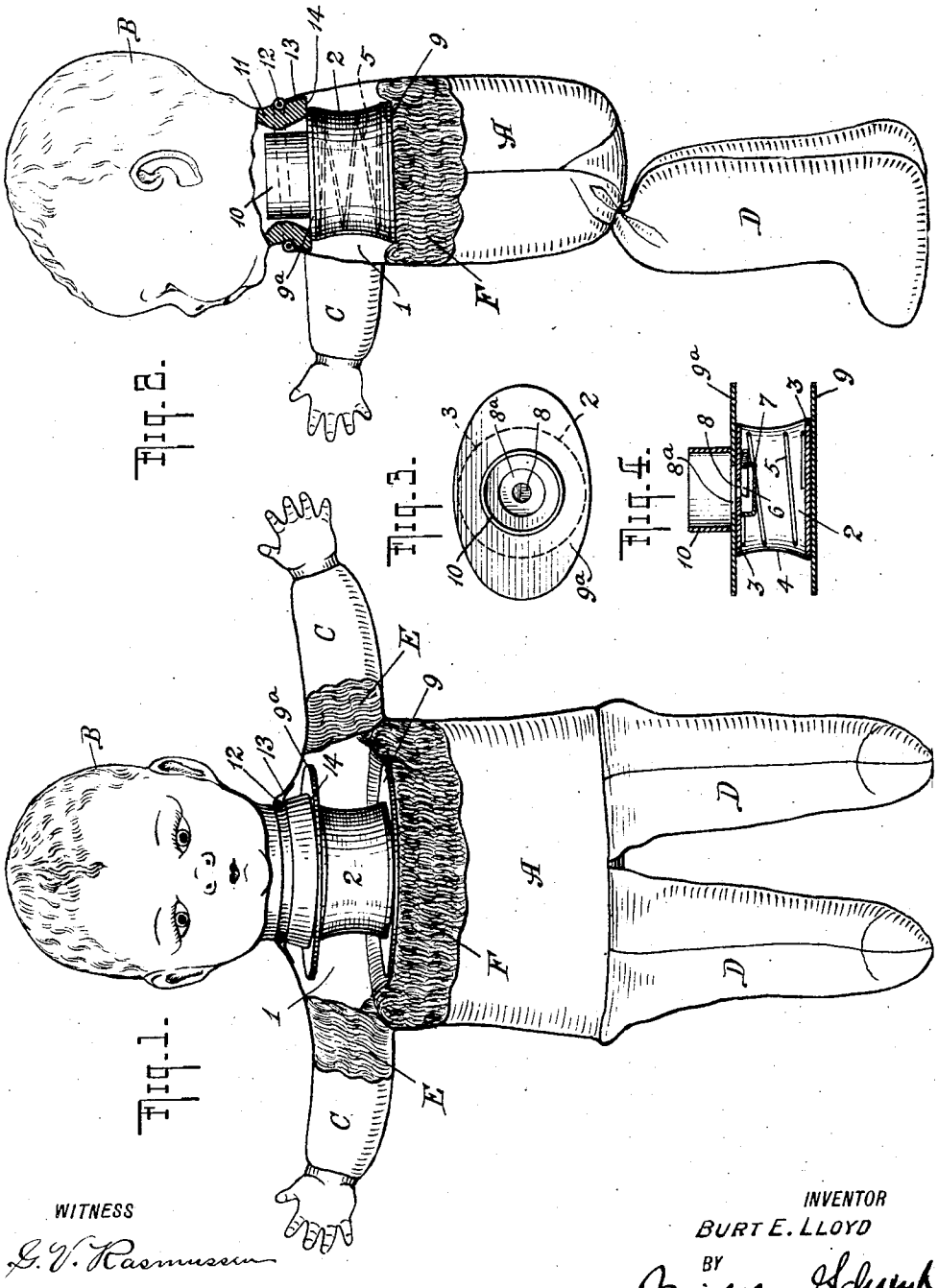


Fig. 1.

Fig. 3.

Fig. 4.

WITNESS

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Patented Nov. 29, 1927. 1,651,137

UNITED STATES PATENT OFFICE.

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SOUNDING FIGURE TOY.

Application filed January 20, 1926. Serial No. 82,390.

This invention relates to toys and particularly dolls which contain sound producing devices and in which the sound producing devices are actuated by pressure on the doll body or on the head or by movement of the arms.

In the drawings Fig. 1 is a front view of a doll having a portion of the fabric forming the outer covering thereof removed; Fig. 2 is a side view similar to Fig. 1, with the left arm of the doll removed; Fig. 3 is a top view of the sound producing device and Fig. 4 a vertical section thereof.

The doll comprises the body A, hollow head B, arms C and legs D. The body, arms and legs are made of a suitable fabric covering or casing, the arms and legs and all but the upper portion of the body being stuffed with a suitable material E, such as cotton. The space 1 above the stuffing in the body portion of the doll contains a suitable sound producing device 2. The sound producing device consists of two circular cardboard heads or disks 3 having glued thereto the rubberized fabric 4. A coil spring 5 is positioned inside of the fabric 4 with its opposite ends bearing against the disks 3, 3 and tending to keep them separated. A suitable whistle 6 secured in the cup 7 is positioned on the underside of the upper disk 3 and is in communication with the aperture 8. A larger cardboard or fiber member 9 (preferably oval in shape) is glued to the under disk 3 and a like member 9^a is glued to the upper disk 3. The member 9^a fills out the upper portion of the doll body A to proper shape and supports the body fabric under slight tension and also supports the head B and arms C.

The upper member 9^a has an aperture 8^a therein in communication with the aperture 8. An upstanding head guiding member 10 made preferably of cardboard is secured to the member 9^a and positions the head B with respect to the sound producing device 2. The sound producing device 2 is placed in the space 1 and over the stuffing F which has been packed into the lower portion of the doll body A so that it is well filled, with the lower member 9 resting upon the upper surface of the stuffing F. The guide 10 passes into the neck 11 of the doll and is preferably of such size so as to provide a space between the inner surface of the neck of the doll and the outer surface of the guide 10. The fabric of the doll is then drawn upwardly and is secured to the neck of the doll by a wire 12, the outer ends of which are twisted together so as to draw the upper end 13 of the fabric into the groove. With the doll thus assembled the underside 14 of the neck of the doll rests upon the upper flange 9^a holding the head upright under pressure of the springs thereon. It is preferred, when securing the edge 13 of the fabric to the neck of the doll, to pull it sufficiently tight so that the lower flange 9 will press against the top of the stuffing F and the underside 14 of the neck will rest on the upper surface of the member 9^a, so that the sound producing device is held in position by the neck of the doll and the stuffing F. The sound producing device thus positioned will be quite sensitive and will readily sound when pressure is brought to bear upon the doll. If the body A should be pressed it will force the stuffing upwardly and partially collapse the voice, resulting in the voice sounding. Should the head be nodded or moved it will likewise bring about the sounding of the voice and the same result may be obtained by moving the arms. The sound escaping from the sound producing device 2 enters the hollow head B which acts as a sounding chamber and subdues the high pitch of the whistle. The sound producing device shown in the drawings is so arranged that the sound producer or whistle 6 is sounded when the device is extended but by placing the sound producer 6 and the cup 7 over the aperture 8 the sound producer may be caused to operate when the device is collapsed.

It is preferred to incorporate the sound producer 2 between the stuffing F and the neck of the doll but the same results may be obtained by providing a space in the lowermost part of the body of the doll and placing the sound producer 2 therein and applying the stuffing on top of the sound producer.

What I claim is:

1. A doll comprising a body, head and limbs, stuffing in the body extending approximately to the lower edge of the arms, a space between the upper surface of the stuffing and neck of the doll, a sound producing device having a member resting on the upper surface of the stuffing, a second member supporting the head of the doll, a resilient means to press the head upwardly and normally retaining the stuffing under compression, said resilient means being com-

pressible by movement of the head and whereby the sound producing device is actuated.

2. A doll comprising a body, head, neck and limbs, the body having an outer fabric casing, stuffing in the body, the stuffing extending approximately to the lower edge of the arms, a space above the stuffing, a sound producing device in said space supported by said stuffing, said sound producing device comprising opposite heads, an air tight flexible material secured to said heads, a resilient member normally tending to support said heads and retaining the stuffing under compression, a sound producer adapted to be actuated by the air within said air tight flexible material, the head being supported by said sound producing device and being held in upright position by the pressure of said resilient member, said head being movable and by the movement thereof compressing said resilient member and whereby the sound producing device is actuated.

3. A doll comprising a body, head, neck and limbs, the body having an outer fabric casing, stuffing in the body, the stuffing extending approximately to the lower edge of the arms, a space between said neck and stuffing, a sound producing device in said space, a substantially oval member on the sound producing device extending beyond the outer edge of the neck and adapted to hold the fabric of the body outwardly and to support the arms in extended position, the upper edge of said fabric being secured to the neck, the sound producing device being adapted to be actuated by pressure on the body or upon the head.

In testimony whereof I have hereunto set my hand.

BURT E. LLOYD.