Aug. 26, 1924. 1,506,340

J. S. GRAHAM

DOLL

Filed Nov. 8, 1921

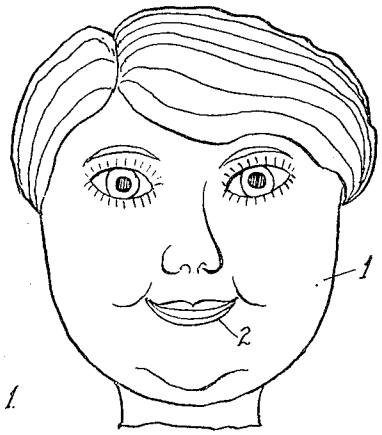


FIG. 1.

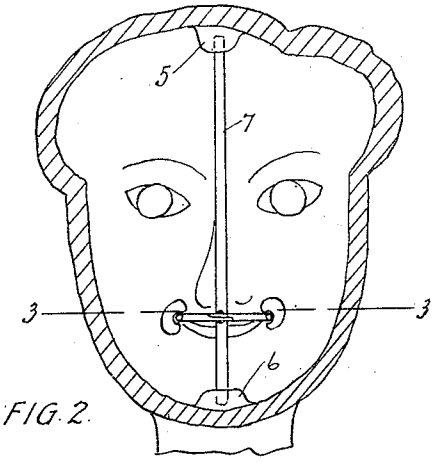


FIG. 2.

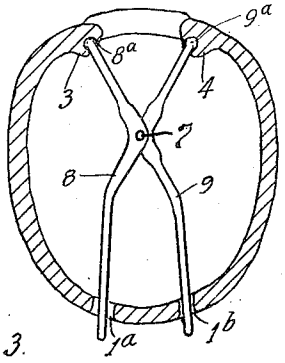


FIG. 3.

INVENTOR.
JAMES S. GRAHAM
BY A. B. Bowman
ATTORNEY

Patented Aug. 26, 1924. 1,506,340

UNITED STATES PATENT OFFICE.

JAMES S. GRAHAM, OF SAN DIEGO, CALIFORNIA.

DOLL.

Application filed November 8, 1921. Serial No. 513,642.

To all whom it may concern:

Be it known that I, JAMES S. GRAHAM, a citizen of the United States, residing at San Diego, in the county of San Diego and State of California, have invented a certain new and useful Doll, of which the following is a specification.

My invention relates to a doll and the objects of my invention are, first, to provide a doll in which the portions surrounding the mouth are mechanically moved to provide a smiling expression or not as desired; second, to provide a doll with a mechanically operated portion surrounding the mouth; third, to provide a doll with an elastic portion surrounding the mouth and mechanical means for extending the mouth portion thereby producing a smiling expression and fourth, to provide a doll of this class which is very simple and economical of construction, easy to operate, efficient in its action, and which will not readily deteriorate or get out of order.

With these and other objects in view as will appear hereinafter my invention consists of certain novel features of construction, combination and arrangement of parts and portions as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawings and to the characters of reference thereon which form a part of this application in which:

Figure 1 is a front elevational view of a doll's head with the mouth extended showing the smiling expression; Fig. 2 is a sectional view through the middle thereof looking forwardly and showing some of the parts in elevation to facilitate the illustration and Fig. 3 is a transverse sectional view through 3—3 of Fig. 2.

Similar characters of reference refer to similar parts and portions throughout the several views of the drawings.

The head member 1, mouth portion 2, lugs 3, 4, 5 and 6, vertical bar 7, and lever members 8 and 9 constitute the principal parts and portions of my doll head construction.

The head member 1 is preferably composed of rubber of suitable thickness.

Near the opposite ends of the mouth portion 2 are provided inwardly extending lugs 3 and 4 in which are mounted the extended ends of the lever members 8 and 9 which are provided with enlarged portions 8^a and 9^a on their extended ends to support them in position in said lug. These members 8 and 9 are shaped as shown best in Fig. 3 of the drawings and are pivotally mounted intermediate their ends on the bar 7 which is positioned in a vertical position, the upper end secured in a lug 5 and the other end secured in a lug 6. The extended ends of the levers 8 and 9 extend out through apertures 1^a and 1^b at the back side of the head directly opposite the mouth portion 2. These apertures 1^a and 1^b are oblong adapted for movement of the ends of the levers 8 and 9 toward each other which tends to spread the mouth portion 2 and causes an expression of a smile on the face of the doll and when released the elasticity of the rubber surrounding the mouth will cause the same to assume a natural position and expression.

Though I have shown and described a particular construction, combination, and arrangement of parts and portions I do not wish to be limited to this particular construction, combination and arrangement but desire to include in the scope of my invention the construction, combination and arrangement substantially as set forth in the appended claims.

It is obvious that with this construction there is provided a doll head, the portion around the mouth of which is made of elastic material such as rubber of suitable thickness; that there are provided lever means pivotally mounted in the head portion and supported on a vertical axis which is adapted to spread the mouth portion of the doll head, changing the expression to that of a smile; that the opposite ends of said levers extend out through the back portion of the head so that they are operative from the outside; that the device is very simple and economical of construction and operation.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. A doll's head of the class described, including a hollow head provided with an expansible and contractible mouth portion, levers pivoted together intermediate their ends, connected to the opposite sides of said mouth portion and extending out through the back side of the head adapted to expand and contract the mouth portion.

2. A doll's head of the class described, including a head member provided with an elastic, expansive mouth portion, a vertical shaft mounted centrally in said head member, levers pivoted on said shaft and connected to the opposite sides of said mouth portion and their opposite ends extending out through the back of the head whereby said mouth portions may be expanded or contracted.

In testimony whereof, I have hereunto set my hand at San Diego, California, this 31st day of October, 1921.

JAMES S. GRAHAM.