

J. F. GILL & T. C. AVELING.

TOY.

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946,669.

Patented Jan. 18, 1910.



Fig. 1

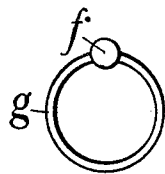


Fig. 3

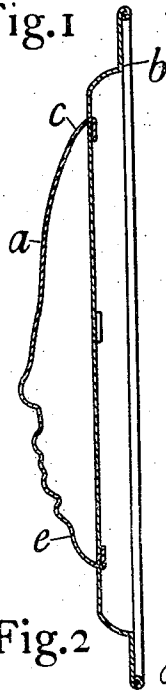


Fig. 2

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UNITED STATES PATENT OFFICE.

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TOY.

946,669.

Specification of Letters Patent.

Patented Jan. 18, 1910.

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To all whom it may concern:

Be it known that we, JAMES FRANCIS GILL and THOMAS CLIFFORD AVELING, subjects of Great Britain, residing at Central House, 75 New street, Birmingham, England, have invented new and useful Improvements Relating to Toys, of which the following is a specification.

This invention relates to toys made to represent for example, human, animal or vegetable forms or features, and has for its object to be able to produce thereon at will an effect resembling the growth of hair, wool, leaves or the like, or a deposit of snow or frost.

The invention comprises the utilization of the well known reaction of mercury on aluminium, and is characterized in this, that a part or parts or the whole of the toy is made of aluminium, and that for use with the toy mercury is provided in a convenient form for application at any time to the parts of the toy on which the growth or deposit is required.

In the accompanying sheet of explanatory drawings, Figure 1 is an elevation and Fig. 2 a section of one form of toy made in accordance with this invention. Fig. 3 shows a convenient form in which the mercury can be applied.

The part *a*, attached to a base *b*, is produced from a sheet of aluminium shaped in the form of a grotesque or comic face. Portions of the features may be painted, but portions as *c d, e* corresponding to the scalp, eyebrows and chin are left bare. On applying mercury to such parts a hair like growth appears. The growth can be readily removed by wiping or shaking the toy, and can be reproduced at any time by the reapplication of the mercury. It is not necessary to rub mercury on the toy every time the growth is required, for if the surface previously rubbed is scraped to expose a fresh metallic surface, a further growth will appear. Two or three growths can thus be produced with one application of mercury.

For convenience of manipulation the mercury may be amalgamated with tin and a nodule *f* of the same attached to a wire stem, handle or ring *g*. Or the mercury may be contained in a small collapsible tube or a miniature bottle made to resemble the tubes

or bottles in which any known hair restorer is ordinarily sold. If desired the solid amalgam of tin and mercury may be shaped to represent some familiar article such as a bottle of hair restorer.

We desire it to be understood that our invention is not limited to any particular shape or kind of toy, as a large number of shapes and varieties in the forms of dolls, masks, effigies, models and other representations of human, animal or vegetable features or figures may be adopted; neither is the invention limited to any particular form or manner in which the mercury is provided. By making the toy to represent a country or other scene an effect resembling a deposit of snow or frost can be produced.

We claim:—

1. A toy comprising an aluminium portion, and a mercury portion whereby on application to the aluminium portion a growth is produced on the latter, substantially as described.

2. A toy comprising an aluminium portion, and a separate portion consisting in part of mercury amalgam whereby on application to the aluminium portion a growth is produced on the latter, substantially as described.

3. A toy comprising an aluminium portion shaped to represent a face, and a mercury portion whereby on application to the aluminium portion a growth is produced on the latter, substantially as described.

4. A toy comprising an aluminium portion shaped to represent a face, a separate portion consisting of mercury amalgam, and a ring on which said mercury portion is mounted, substantially as described.

5. A toy comprising an aluminium plate shaped to represent a face, a base piece on which said plate is mounted, a nodule of mercury amalgam, and a ring on which said nodule is mounted, substantially as described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JAMES FRANCIS GILL.

THOMAS CLIFFORD AVELING.

Witnesses:

JOHN MORGAN,
HARRY DAVIS.