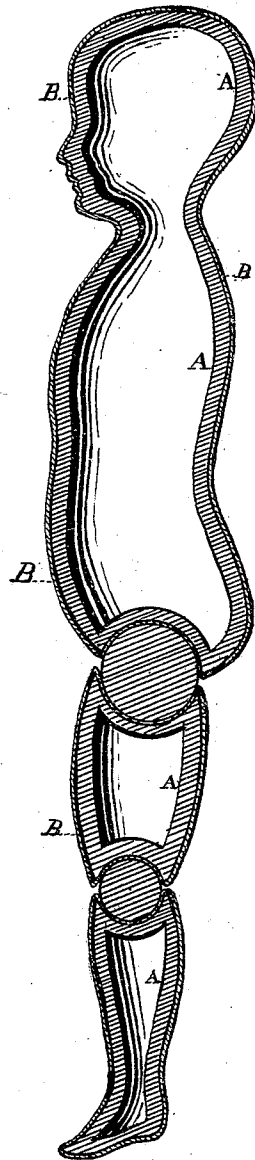


K. C. ATWOOD.
DOLLS.

No. 186,919.

Patented Feb. 6, 1877.

Fig. 1.



Witnesses.
John S. Linsley.
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UNITED STATES PATENT OFFICE

KIMBALL C. ATWOOD, OF NEW YORK, N. Y.

IMPROVEMENT IN DOLLS.

Specification forming part of Letters Patent No. **186,919**, dated February 6, 1877; application filed August 7, 1876.

To all whom it may concern:

Be it known that I, KIMBALL C. ATWOOD, of the city of New York, county of New York, and State of New York, have invented a new and useful Improvement in Dolls, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing.

The object of my invention is to make a cheap, indestructible doll.

This object is secured by the application of the process known as "electro-metallurgy," by which process I am enabled to make a thin seamless metal doll, which may be finished, in the usual manner, by a coating of paint, varnish, wax, rubber, or other suitable material.

A form of the doll is first made of wax, papier-maché, rubber, porcelain, or any suitable material, in a mold, in the usual manner. It is then dusted over the outside with plumbago and coated with metal to the required thickness by the electroplating process. In case the form is made of absorbent material, as papier-maché, it is coated with shellac or other varnish, to avoid the softening effects of the liquid while suspended in the bath during the process of plating, before the application of the plumbago. When wax or rubber is used

in making the form it may, without injury to the doll, be melted out and used in the manufacture of other forms.

Figure 1 represents a sectional view of a doll made by the process of electro-metallurgy.

A shows the form, as described, on which the metal B is deposited by the electroplating process.

As it is my intention to make this an articulated doll, I wish it to be understood that the foregoing description of the process of manufacturing has reference to making each of the several joints or articulations separately and independently.

Having described my invention sufficient for a person skilled in the art of electro-metallurgy to manufacture the same, what I claim as new, and desire to secure by Letters Patent, is—

As a new article of manufacture, an articulated sheet-metal doll, finished substantially as described.

KIMBALL C. ATWOOD.

Witnesses:

JOHN S. LINSLEY,
MARY W. LINSLEY.