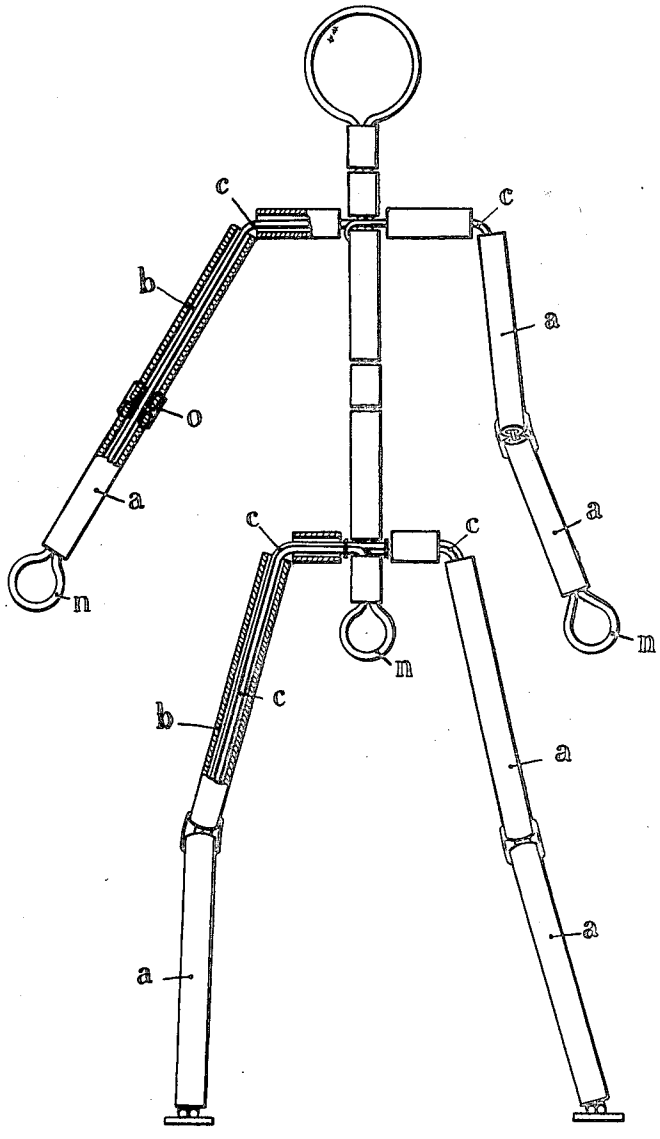
CONSUÉLO DE GRASSE, NÉE FOULD.

JOINTED LAY FIGURE, MODEL, OR DOLL.

APPLICATION FILED FEB. 24, 1920.

1,422,840. Patented July 18, 1922.



Inventor:
Consuélo de Grasse born Fould
per H. W. Plucker
Attorney.

UNITED STATES PATENT OFFICE.

CONSUÉLO DE GRASSE, NÉE FOULD, OF PARIS, FRANCE.

JOINTED LAY FIGURE, MODEL, OR DOLL.

1,422,840. Specification of Letters Patent. Patented July 18, 1922.

Application filed February 24, 1920. Serial No. 360,758.

(GRANTED UNDER THE PROVISIONS OF THE ACT OF MARCH 3, 1921, 41 STAT. L., 1313.)

To all whom it may concern:

Be it known that I, CONSUÉLO DE GRASSE, née FOULD, 15 Rue Treillard, Paris, Republic of France, artist painter, have invented Improvements in Jointed Lay Figures, Models, or Dolls (for which I have filed application in France March 5, 1917, and patent of addition October 21, 1919), of which the following is a full, clear, and exact description.

This invention relates to jointed models, lay figures or dolls, capable of taking and keeping the attitudes of living beings, human beings or animals.

These models or lay figures are characterized by a skeleton of flexible wire on which are fitted tube sections. The tube sections are so dimensioned and arranged on the wire of the skeleton that the joints between them function as joints of the doll or figure.

By way of example, the accompanying drawing illustrates partly in elevation and partly in section a doll skeleton according to the invention.

The skeleton of the doll or figure illustrated is constituted by lengths of tube *a*, threaded on wire *c*.

These tubes may be made of metal, or of any other material, such as cardboard, wood, compressed paper, etc. They may be given any suitable outer shape.

The wire *c* is flexible or malleable and may be bare or covered with an insulating material; this wire may be made of copper, soft iron, etc.

The tubes *a* are threaded on this wire so that the transverse sections abut end to end with a certain play. The ends of the tubes are held in position by means of loops *n*.

The whole constitutes a skeleton to which may be given all the required deformations so as to place the body and limbs of the figure in any desired position. The wire may be bent at the joints and the limbs keep the position given to them.

The jointing of the tubes together may be completed by connecting them with wires *o* or sleeves.

The wire may be single, double, triple or reinforced in certain portions.

As will be seen from the drawing, the tube sections are all threaded on a single flexible wire, the same continuous wire being bent as required to form the various members of the body of the figure.

The wire may be attached in the hands, arms, feet, etc., in any manner whatever.

Instead of ordinary wires, spiral wires or wires in the form of coil springs may be used.

The above arrangement is given only by way of example; the forms, dimensions and materials used as well as detail arrangements may be varied according to circumstances without departing thereby from the nature of the invention.

I claim:

1. In a doll or lay figure, a skeleton consisting of flexible wire and rigid tube sections, all the latter being threaded on the same wire and having their adjacent ends adapted to make contact with each other.

2. In a jointed doll or lay figure, a skeleton consisting of flexible wire and rigid tube sections all threaded on the same wire and so dimensioned and arranged that clearances at the joints between the tube sections permit the doll or figure to assume and retain various postures and the tube sections engage each other when the joints are bent.

3. In a doll or lay figure, a skeleton consisting of flexible wire, and rigid tube sections all threaded on the same wire, said tube sections being adapted to engage each other and being retained in position by loops formed in the wire.

4. In a jointed doll or lay figure, a skeleton comprising a number of rigid tube sections of length corresponding to the various body members and a single continuous flexible wire traversing all the tube sections, said wire having a plurality of strands, and the adjacent ends of the tube sections being all adapted to engage each other.

5. In a jointed doll or lay figure, a skeleton comprising a number of rigid tube sections of length corresponding to the various body members, a single continuous flexible wire traversing all the tube sections, said wire having a plurality of strands, and reinforcements on said wire and the adjacent ends of the tube sections being all adapted to engage each other.

The foregoing specification of my improvements in jointed lay figures, models or dolls, signed by me this 17th day of November 1919.

CONSUÉLO de GRASSE, born FOULD.