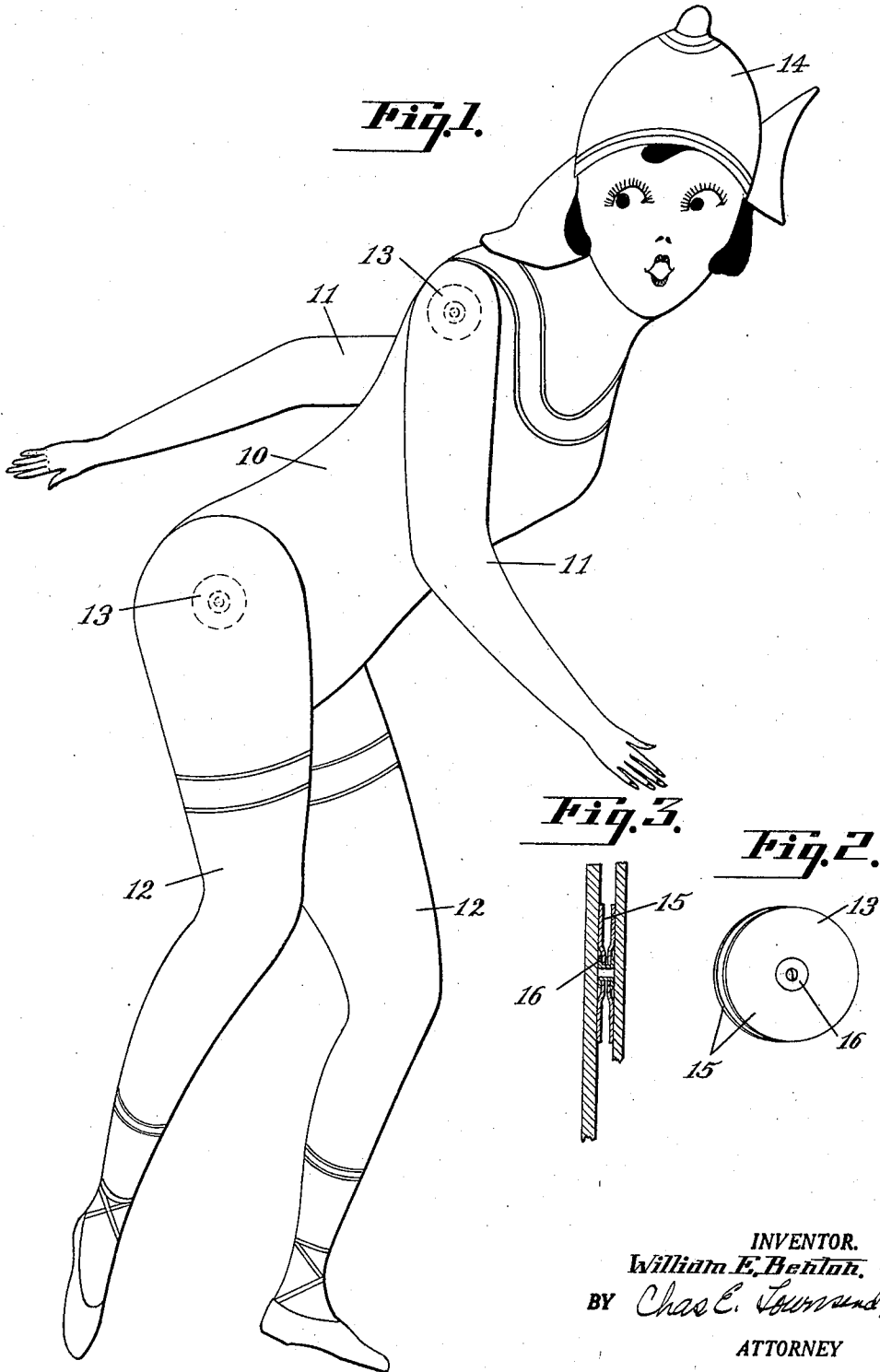


W. E. BENTON.
TOY DOLL.
APPLICATION FILED MAY 18, 1920.

1,387,097.

Patented Aug. 9, 1921.



UNITED STATES PATENT OFFICE.

WILLIAM E. BENTON, OF SAN FRANCISCO, CALIFORNIA.

TOY DOLL.

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Specification of Letters Patent.

Patented Aug. 9, 1921.

Application filed May 18, 1920. Serial No. 382,297.

To all whom it may concern:

Be it known that I, WILLIAM E. BENTON, a citizen of the United States, residing at city and county of San Francisco and State of California, have invented a new and useful Improvement in Toy Dolls, of which the following is a specification.

This invention relates to a doll and particularly pertains to an articulate connection for the extremities thereof.

It is the principal object of the present invention to provide a paper doll or other manikin formed of sheet material and having various parts such as the head and extremities articularly connected by pairs of adhesive washers pivoted together by small rivets which will form the hinge between the connected members, the washers and hinge being completely concealed by said members.

The invention is illustrated by way of example in the accompanying drawing, in which:

Figure 1 is a view in side elevation illustrating a doll formed according to the present principles.

Fig. 2 is a view in perspective showing one of the connecting members with which the present invention is particularly concerned.

Fig. 3 is a view in central section through one of the connecting members and two parts secured together thereby showing the manner in which the hinge fastener is concealed.

In the drawings, 10 indicates the torso of a doll here shown as provided with arms 11 and legs 12. These extremities are pivotally secured to swing in the same plane with the torso upon pivot fasteners 13 with which the present invention is particularly concerned. Also it may be desirable to pivot the head portion 14 to the body in a similar manner if desired and to make the doll more elaborate by utilizing the same sort of fasteners in the knees and elbows of the doll. The fasteners as particularly shown in Figs. 2 and 3 comprise a pair of washers 15 preferably circular and having their outer faces treated with a coating of adhesive material. These washers are secured back to back by means of a rivet 16, which rivet passes through the center of the washers and when upset will hold the two washers in pivotal relation to each other. The fasteners thus constructed may then be used in connecting the various parts of the doll by moistening the outer adhesive faces of the washers and

attaching them to the adjacent faces of the members to be pivotally connected. It will also be understood that the washers may be treated with glue or other adhesive material at the time the doll is constructed.

It will thus be seen that the invention here disclosed provides a very simple, inexpensive and satisfactory hinge joint for use in pivotally securing members together in a manner to neatly hold these members in their pivoted relation and to completely conceal the fastening.

While I have shown the preferred form of my invention as now known to me, it will be understood that various changes in the construction, combination and arrangement of parts may be made by those skilled in the art without departing from the spirit of the invention as claimed.

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

1. A joint for paper dolls and the like comprising a pair of disks riveted together in a manner to rotate relative to each other, the outer faces of said disks being treated with an adhesive material whereby the disk may be secured between parts to be pivoted.

2. A pivoted connection for dolls and the like comprising a pair of disks, the outer faces of which are treated with adhesive material and a rivet pivotally securing said disks to each other.

3. A joint for dolls and the like comprising a pair of circular disks formed of sheet material, the outer faces of which have been treated with an adhesive substance, said disks being of smaller dimensions than the members secured together thereby, and a rivet passing through the centers of the disks and securing the same in pivotal relation to each other.

4. A joint for paper dolls and the like comprising a pair of fibrous disk members, a short rivet extending through the centers of said disks and holding them in pivotal relation to each other, said disks being provided with an adhesive surface upon their outer faces, whereby they may be fastened between two members to be pivoted relative to each other.

5. A joint for paper dolls and the like comprising a pair of circular disks of fibrous material placed one against the other and having their opposite outer faces treated

with an adhesive substance whereby the disks may be secured between members to be pivoted relative to each other, and a short rivet passing through the centers of said
5 disks to provide pivotal movement therebetween, said rivet being substantially concealed by the disks.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

WILLIAM E. BENTON.

Witnesses:

CLARK BROWN,
HENRY MAYERS.