

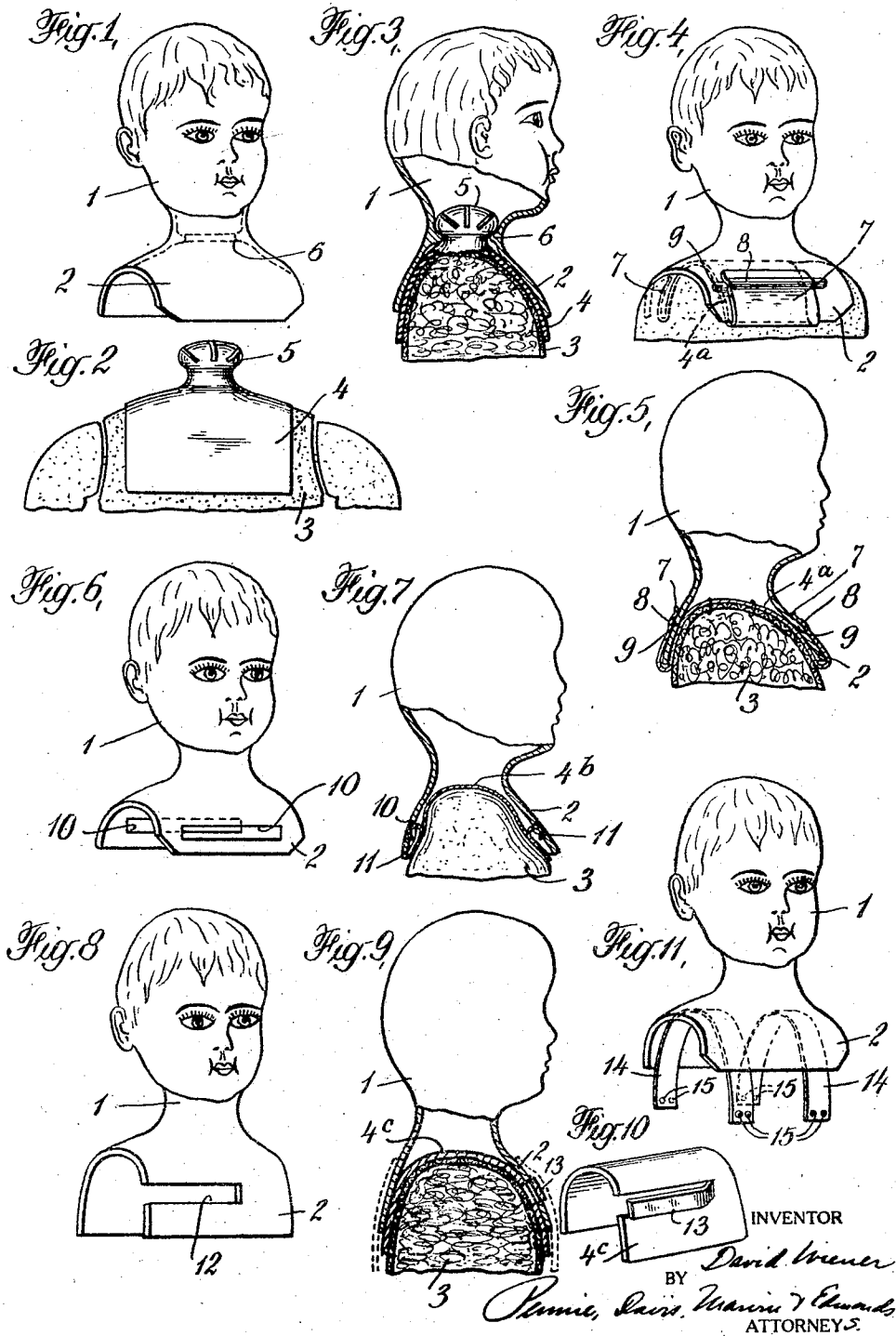
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D. WIENER

DOLL

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UNITED STATES PATENT OFFICE.

DAVID WIENER, OF NEW YORK, N. Y.

DOLL.

Application filed March 7, 1924. Serial No. 697,447.

To all whom it may concern:

Be it known that I, DAVID WIENER, a citizen of the United States, residing at New York city, in the county of Bronx, State of New York, have invented certain new and useful Improvements in Dolls; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to dolls and similar toys of the type disclosed in my prior Patent No. 1,374,343, April 12, 1921. The doll disclosed in that patent is of the so-called stuffed body type and has a shoulder piece secured thereto with the head detachably connected to the shoulder piece. Such a construction permits the head to be readily replaced should it become broken. It also permits various types of heads to be applied to the same body, thus entirely changing the identity of the doll especially when the costume is changed to conform with the particular type of head used.

The principal object of the present invention is to make it possible to readily change the head on a doll of that type in which the head and shoulder portion are formed in one piece.

Another object is to provide, in a doll of the stuffed body type having a one-piece head and shoulder portion, a detachable connection between the head and body so that the head and its integral shoulder portion may be readily and quickly applied to and removed from the body.

The invention is illustrated in the accompanying drawing, in which

Fig. 1 is a perspective view showing a standard type of doll head comprising a one-piece head and shoulder portion modified to provide it with one part of the detachable connection referred to above.

Fig. 2 is a front elevation of a portion of a doll body designed for use with the head shown in Fig. 1, the body being provided with the other part of the detachable connection.

Fig. 3 is a side elevation partly in section showing the head and body of Figs. 1 and 2 in assembled relation.

Fig. 4 is a perspective view showing a modified form of detachable connection.

Fig. 5 is a side elevation partly in section of the modification shown in Fig. 4.

Fig. 6 is a perspective view of a doll head of the standard type provided with one part of a further modified form of detachable connection.

Fig. 7 is a side elevation partly in section showing the head of Fig. 6 assembled on a body, the body being provided with the other part of the detachable connection.

Fig. 8 is a perspective view of a doll head of the standard type provided with one part of another modified form of detachable connection.

Fig. 9 is a side elevation partly in section showing the head of Fig. 8 assembled on a body, the body being provided with the other part of the detachable connection.

Fig. 10 is a perspective view of the body part of the detachable connection of Figs. 8 and 9, and

Fig. 11 is a perspective view of a standard type of doll head provided with another form of connecting means for detachably connecting the head to the body.

In all of the figures of the drawing, the head of the doll, except for the addition of the improvements herein described, is of a well-known standard type in which the head 1 is formed in one piece with the shoulder portion 2. The shoulder portion of heads of this type is usually of the shape shown in the drawings and comprises a breast plate and back plate which straddle and extend over the upper part of the body a sufficient distance to enable the shoulder portion to be glued directly to the body. Furthermore, the shoulder portion of heads of this type is usually of sufficient size and extent to cover that part of the body which would otherwise be exposed if the doll is clothed in low-neck dresses. As stated above, heads of this type are usually glued directly to a stuffed body. In accordance with this invention, however, the head is provided with one part of a detachable connection, the other part of which is associated with the body. Various different methods of detachably connecting the head to the body are illustrated in the drawing. In Figs. 1 to 3 inclusive, the body 3 has glued or otherwise secured thereto an auxiliary shoulder piece 4 which is provided with a resilient stud or ball 5. The head portion 1 has formed on the interior wall of the neck a circular rib or projection 6 which constitutes a socket to receive the stud member 5. If desired, the rib 6 may be made to constitute an integral

part of the head portion by being moulded in the neck at the same time the head portion is moulded. In order to apply the head to the body, it is only necessary to force
 5 the resilient stud 5 into the socket formed by the rib 6 as shown in Fig. 3. The ball and socket hold the head firmly on the body and yet the head may be readily and quickly removed merely by withdrawing the body
 10 and its stud portion from the socket in the head.

In Figs. 4 and 5 the auxiliary shoulder-piece 4^a has its lower portion at the front and rear bent upwardly as shown at 7 to provide spring clips which receive and yielding-
 15 ly retain the lower edge portions of the shoulder-piece 2. If desired, the clips 7 may be provided with depressions 8 which engage corresponding ribs or projections 9 formed
 20 on the shoulder-piece 2 to more firmly hold the head in place. If the projections 8 be omitted the head portion will be substantially like the standard head with no alteration. The lower edges of the shoulder-piece 2, in
 25 this case would then constitute one part of the detachable connection. The shoulder-piece 4^a may be glued to the body or secured thereto by stitches or similar fastening means, as shown in Fig. 5.

In Figs. 6 and 7, the shoulder part 2 is provided with front and rear openings 10 which cooperate with yielding projections
 30 11 formed on the auxiliary shoulder-piece 4^b, as shown in Fig. 7. The projections 11 constitute resilient beads which snap into the openings 10 when the head is applied to the body and thereby firmly hold the head in place. However, the projections 11 yield
 35 sufficiently to permit the head to be readily removed from the body when so desired.

In Figs. 8 and 9 the shoulder-piece is provided with a slot 12 which extends entirely through one edge of the shoulder-piece as
 45 clearly shown in Fig. 8. In this modification the head is intended to be moved laterally on to the auxiliary shoulder-piece 4^c. The shoulder-piece 4^c may be glued or otherwise secured to the body portion as in the case of the other figures. It is provided with a pro-
 50 jection 13 formed by forcing outwardly a strip stamped from the material of the shoulder-piece as best shown in Fig. 10. As the head is moved laterally on to the auxiliary shoulder-piece, the projecting piece 13 slides into the slot 12, as shown in Fig. 9.
 55 In this modification, the head cannot be detached from the body by an upward movement of the head but the head must be moved laterally until the projecting strip 13 is freed
 60 from the slot 12.

In Fig. 11, the shoulder-piece 2 has glued or otherwise secured thereto several bands or strips of fabric 14 provided with snap
 65 fastener members 15. In this modification, no auxiliary shoulder piece is necessary as

the head is applied directly to the stuffed body and then the snap fastener members are snapped on to corresponding snap fastener members on the body of the doll.

It will be noted that in all of the forms of
 70 the invention except that illustrated in Fig. 11, the stuffed body is provided with an auxiliary or inner shoulder-piece over which fits the outer shoulder-piece 2 forming a
 75 part of the head. This auxiliary shoulder-piece carries one part of the detachable connection. The auxiliary shoulder-piece may be made of any suitable material but the particular types of connecting means shown
 80 in the drawing may be more readily and conveniently formed if it is made of thin metal.

In the type of doll disclosed in my prior patent mentioned above a joint occurs in
 85 the neck of the doll which is necessarily visible and can be readily detected but in the type of doll disclosed herein no joint occurs in the neck and the connecting means is not visible when the doll is dressed.

Although the invention has been specifically described, as applied to a doll, it may
 90 be applied to other kinds of toys, such as animals and the like, in which there is a one-piece head and shoulder portion associated with a body.

While the detachable means herein described permits the head, if broken, to be replaced, the main purpose of the detachable connection is to permit various types of
 95 heads to be used on the same body to change the identity of the doll. For this reason, the various types of the detachable connections described herein have been so designed that they permit quick and ready detach-
 100 ment of the head from the body and application of the head to the body.

The terms "shoulder portion" and "shoulder piece" as used herein are intended to designate that portion below the neck which
 105 is formed by the breast plate and the back plate.

A doll of the type herein described may be sold in sets comprising a single body and a number of heads of different types, together with a costume to correspond with
 115 each type of head. By changing the heads and costumes, dolls of different identities may be produced. As the changing of the heads will be done mostly by children, the connecting means have been so designed that
 120 they may be easily operated to remove the head or apply it to the body.

What I claim is:—

1. A doll or similar toy having a stuffed body, a shoulder-piece secured thereto provided with one element of a detachable connection, and a head and shoulder portion formed in one piece and provided with the other element of the detachable connection, said shoulder portion on the head being
 125 130

adapted to extend over and at least partly cover the shoulder piece secured to the body.

2. A doll or similar toy having a body, a head and shoulder portion formed in one piece, said shoulder portion being adapted to extend over a part of the upper portion of the body, and a detachable connection between the body and the one-piece head and shoulder portion, one element of said detachable connection being associated with the head and shoulder portion and the other element being associated with the body.

3. A doll or similar toy having a body, a head and shoulder portion formed in one piece, said shoulder portion comprising a breast plate and a back plate, and a detachable connection between the body and the one-piece head and shoulder portion, one element of said detachable connection being associated with the head and shoulder portion and the other element being associated with the body.

4. A doll or similar toy having a stuffed body, a shoulder piece secured thereto pro-

vided with one element of a detachable connection, and a head and shoulder portion formed in one piece and provided with the other element of the detachable connection, said shoulder portion on the head being adapted to extend over and at least partly cover the shoulder piece secured to the body and said detachable connection being operable without requiring access to the interior of the head.

5. A doll or similar toy having a body, a head and shoulder portion formed in one piece, said shoulder portion being adapted to extend over a part of the upper portion of the body, and a detachable connection between the body and the one piece head and shoulder portion, one element of said detachable connection being associated with the head and shoulder portion and the other element being associated with the body, said detachable connection being operable by manipulation outside of the head.

In testimony whereof I affix my signature.

DAVID WIENER.