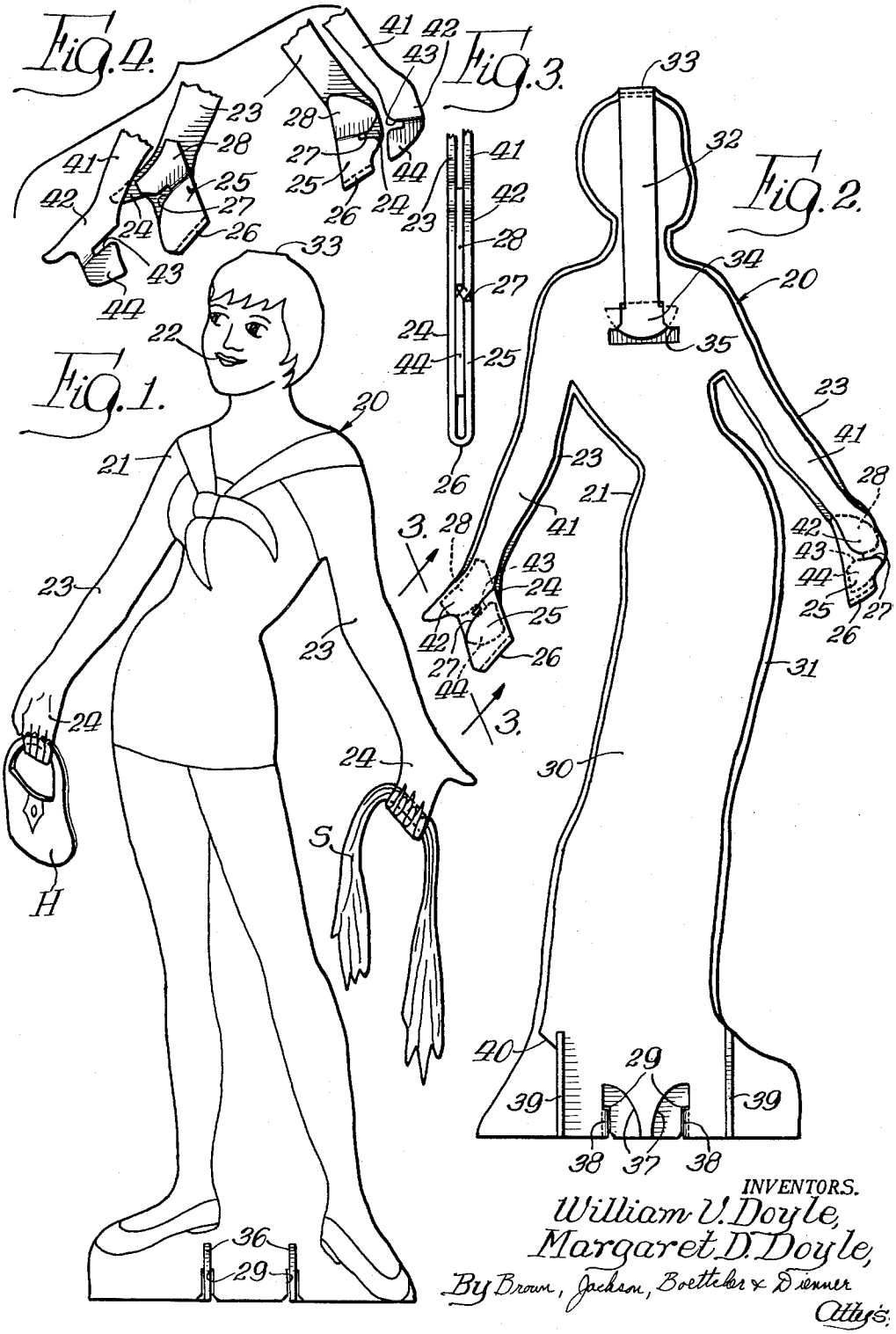
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PAPER DOLL STRUCTURE

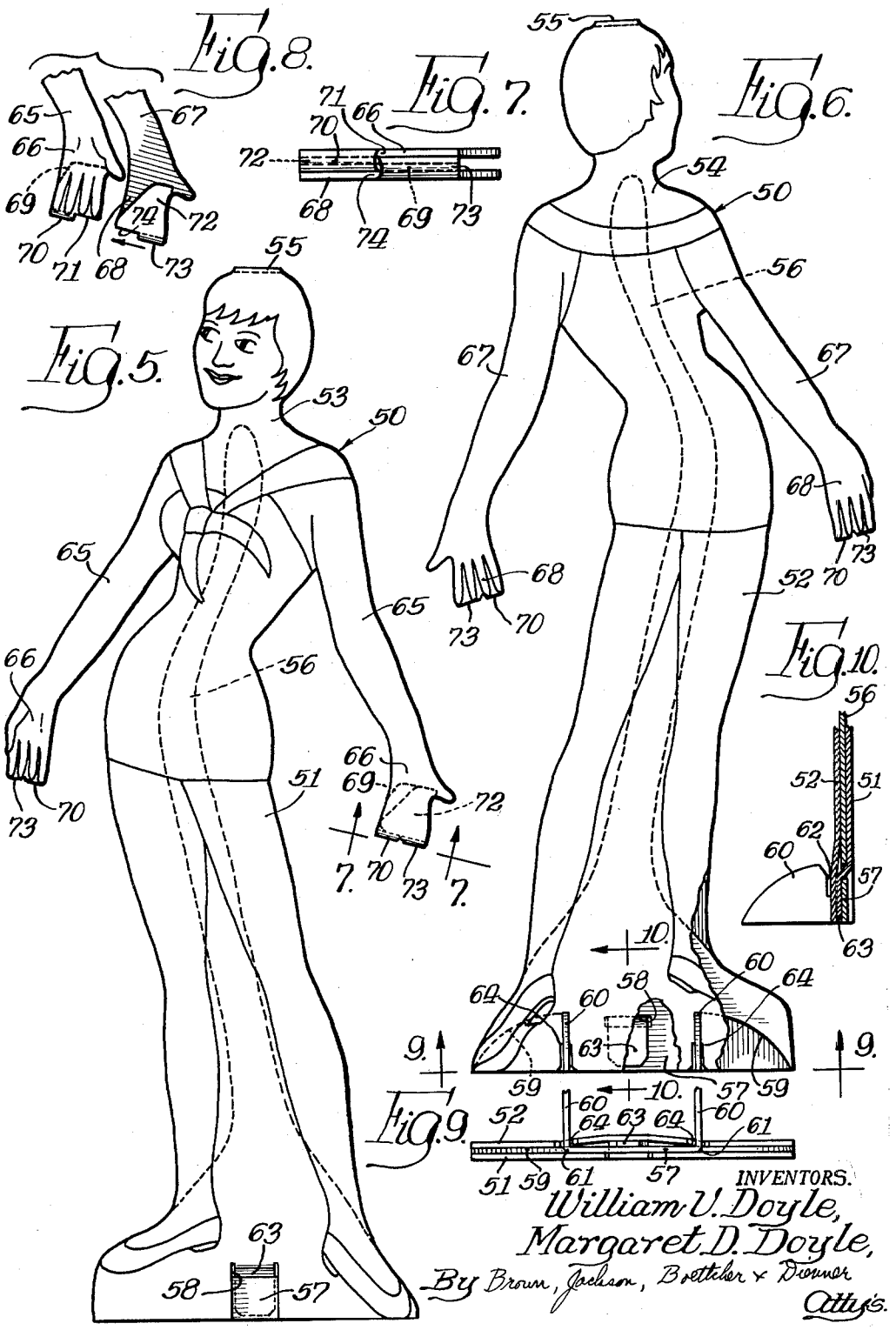
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Fig. 11.

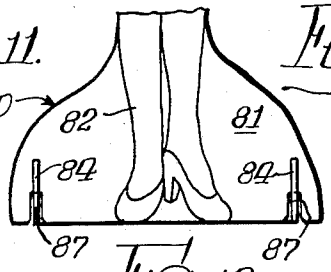


Fig. 12.

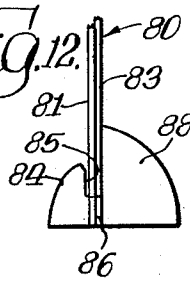


Fig. 13.

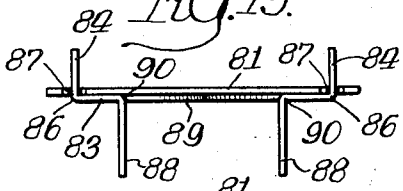


Fig. 14.

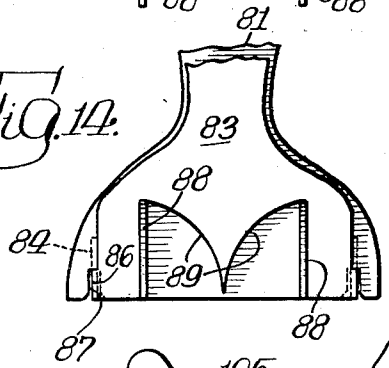
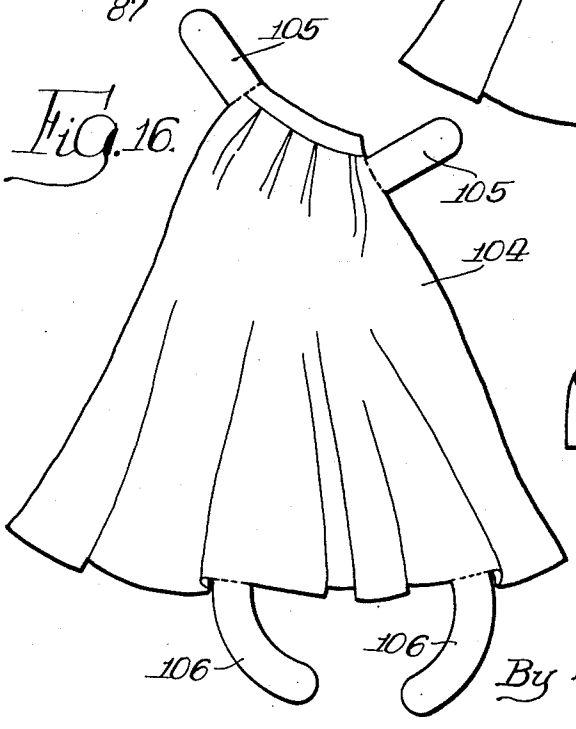


Fig. 15.

Fig. 16.



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PAPER DOLL STRUCTURE

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12 Claims. (Cl. 46—157)

The present invention relates to a paper doll structure, and more particularly to such a structure involving a doll form and garments therefor incorporating novel and improved means for connecting together parts of free-standing portions of the form, means providing a bottom stand, or base, for upright positioning of the form, and means for attaching garments to the form.

We have heretofore provided a novel paper doll structure in which a doll form or body has secured thereto a back piece of corresponding configuration and providing adjacent the edge of the doll form a peripheral channel, groove, or slot for retainingly receiving the usual tabs provided on the edges of garments for such dolls. The back piece in such a doll may be imprinted or otherwise provided with a representation of a back of a figure corresponding to the front of the figure as commonly represented on the front of the body or form. In such doll construction, we have also provided base, or stand, constructions of particular value for such dolls, as well as garments particularly adapted for use with the dolls and also providing both front and back representations of clothing.

Our present invention relates to the foregoing type of doll construction, but is concerned specifically with certain structural arrangements of the doll form and back piece relating to the securement thereof at the bottom in a manner to provide a base or stand, and also for securing together arm and hand portions thereof, which extend in spaced relation to the body, or other free-standing portions of the doll structure. Our invention relates also to the provision of improved securing tabs on garments for such dolls, which tabs effect attachment of the garment to the doll at points impossible with the ordinary garment securing tabs, as for example where the edge of the doll form and the edge of the garment on which the tab is formed extend at a substantial angle to each other, or in a substantially non-parallel relation. While we refer to "paper" dolls and "paper" doll clothing it will be understood that other flexible materials could be used.

It is an important object of the invention to provide for use with a doll form garments which have improved means for securing the garments on the form. More specifically, it is an object to provide a garment with a tab structure specifically adapted to underlie the edge portion of the paper, or like, doll and to have a portion extending other than perpendicular to the edge of the garment from which the tab structure extends.

Another object is the provision in a paper doll structure of a doll form with a clothing-retaining back piece having a configuration substantially corresponding at least in part to the form, in which corresponding end portions of the form and back piece (such as hands) standing free of the body portion may be detachably connected together in a simple and secure manner avoiding the use of adhesive or other permanent fastening, and one which avoids marring of the observed surface of the form and back piece and their end portions.

It is also an object of the invention to provide a paper, or like, doll structure in which a doll form and the garment-retaining back piece secured thereon have corresponding free-standing hand portions detachably connected by means serving to space the hand portions properly for attachment of articles to simulate grasping thereof by a hand.

Another object is the provision of a paper, or like, doll structure with a doll form and a back piece of corresponding shape secured thereto adjacent the top thereof and in which structure securement of the bottom of the back piece to the form, and the provision of a supporting base or stand for the structure, are achieved by interengagement of portions of the back piece with the form.

It is another object to provide a paper, or like, doll structure, including a doll form and a back piece of corresponding shape secured thereto, in which the bottom of the back piece and form are secured together, and a supporting stand provided for the structure, by tabs struck from the back piece engaging with the form at points so located as to avoid interference with the feet represented on the doll form or on the back piece.

Still another object is the provision of a paper or like doll structure including a doll form and a back piece of corresponding shape in which these parts are secured together at the bottom, and a supporting base or stand provided for the structure, by means extending forwardly through the foot portion of the form at the central part thereof to avoid widening of the foot portion, where the feet of the form and the back piece are represented as spaced apart.

Other and further objects, advantages, and features of the invention will be apparent to those skilled in the art from the following detailed description, taken in conjunction with the accompanying drawings, in which:

FIGURE 1 is a front elevational view of one embodiment of a paper doll structure according to the present invention;

FIGURE 2 is a rear elevational view of the doll structure shown in FIGURE 1;

FIGURE 3 is a fragmentary enlarged side elevational view taken substantially as indicated by the line 3—3 of FIGURE 2, and showing one of the hand connections of the structure;

FIGURE 4 is a fragmentary rear elevational view of the hand connections substantially as shown in FIGURE 2, but in disassembled relation;

FIGURE 5 is a view similar to FIGURE 1, but showing another embodiment of the paper doll structure of the invention;

FIGURE 6 is a rear elevational view of the embodiment of FIGURE 5;

FIGURE 7 is a side elevational view on an enlarged scale, taken substantially as indicated by line 7—7 of FIGURE 5, showing one of the hand connections of the doll structure in the assembled or interlocked relation;

FIGURE 8 is a fragmentary front elevational view of the hand connection of FIGURE 7, but with the parts in disassembled relation;

FIGURE 9 is a bottom plan view of the doll structure of FIGURES 5 and 6, taken substantially as indicated by the line 9—9 of FIGURE 6, to illustrate the interconnection of the front and back pieces and the intermediate spacing means and the stand provided thereby;

FIGURE 10 is a fragmentary vertical sectional view taken substantially as indicated by the line 10—10 of FIGURE 6, to show the bottom interlock and stand arrangement;

FIGURE 11 is a fragmentary front elevational view showing the bottom portion of a doll structure according to the invention, incorporating a stand similar to that employed in the embodiment of FIGURE 1, but employing a somewhat different arrangement of the parts;

FIGURE 12 is a fragmentary side elevational view of the bottom stand construction of FIGURE 11;

FIGURE 13 is a bottom plan view of the stand structure of FIGURE 11;

FIGURE 14 is a rear elevational view of the construction shown in FIGURE 11;

FIGURE 15 is a front elevational view of a doll structure similar to that of FIGURE 1, but incorporating therein an improved garment construction according to the invention; and

FIGURE 16 is a plan view of the garment construction incorporated in the doll structure of FIGURE 15.

Referring first to FIGURES 1 to 4, inclusive, of the drawings, there is shown a paper doll structure generally indicated at **20** which comprises a doll body or form **21** which may be formed of cardboard or other suitable material, and has imprinted or otherwise suitably depicted thereon a human face and figure as indicated at **22**. In the present instance, the doll body or form **21** is illustrated as having both arms **23** extending away from the torso so that the hands **24** are spaced from the torso, or as sometimes referred to hereafter, are free-standing. As best shown in FIGURES 2 and 4, each of the hands **24** of the doll form **21** has an extension **25** preferably integral therewith, and hinged thereto along a fold line **26** so that it may be doubled behind the hand portion **24**, the extension **25** conforming to the dimensions and shape of the hand portion adjacent its connection thereto, but being somewhat smaller at its free end portion. A slot **27** is formed in the edge of the extension **25** at approximately the central portion thereof, it being noted that the slot **27** in each case opens away from the torso of the doll form **21**, or in other words is formed in the edge of the extension **25** which is farther from the torso. In other words, the slot **27** in the left hand extension **25** opens to the left, and the slot in the right hand extension opens to the right, of the doll. Defined between the line of the slot **27** and the outer free edge of the extension **25** is an end portion **28** which as already indicated may be of the general shape of the part of the hand on which it lies, but is preferably of somewhat smaller size.

The doll form **21** has a straight bottom edge from which extend a pair of parallel vertical slots **29** located in the central portion of the bottom edge and spaced sufficiently close together to avoid interference with the feet of the figure depicted on the body form, which as will be evident from FIGURE 1 are shown as slightly spaced or spread apart from each other.

With the back of the doll form **21** there is associated a back piece **30** which in the present instance is shown as a piece of cardboard or other suitable material cut to conform to the shape of the doll body or form, but of slightly smaller size in all but the bottom portions thereof so as to leave a marginal flange or lip **31** of the doll form **21** projecting outwardly of the back piece **30** throughout substantially the entire peripheral portions of the form and back piece. The back piece **30** is secured to the form **21** by means at the top and bottom portions thereof, and at the free standing hand portions. The top portion connection is provided by an elongated tongue **32** integrally hinged to the top of the form **21** as indicated at **33**, and having an enlarged free end **34** for engagement in a T-shaped opening **35** in the back piece **30**, as will be clear from FIGURE 2. The insertion of the enlarged head portion **34** of the tongue **32** is made through the widest part of opening **35** and, when head portion **34** is raised, it then lies between the back piece **30** and the doll form **21**. Head **34** therefore also serves to space the doll body **21** from the back piece to simplify the insertion between them of tabs on the garments.

The bottom portion of the back piece **30** preferably corresponds in size and contour with the bottom portion of the doll body or form **21**, and incorporates means for connecting together the form and the back piece. For this purpose, a pair of tabs **36** (FIGURE 1) are formed from the back piece by partial severance therefrom, as

along lines **37** (FIGURE 2) to give any desired shape to the tabs. The tabs are hingedly connected to the bottom portion by integral hinge portions **38** extending vertically upwardly from the bottom edge of the back piece for a distance not greater than the depth of the vertical slots **29** of the doll body or form **21**. The portions of the tabs **36** above the hinge portions **38** are preferably cut away to provide slots (not shown) opening downward from the upper edges thereof to accommodate the bottom portion of the doll form **21**, the upper portions of the tabs extending upwardly above the closed ends of the slot **29**. The tabs are located so that the hinge portions **38** thereof substantially register with the slots **29** when the bottom portions of the doll body or form **21** and the back piece **30** are brought into substantial registry with each other, and the tabs **36** are interengaged with the slots **29** by being folded to extend forwardly of the doll body, the portions of the tabs at the hinge portion **38** being received in the slots **29**, and the vertical slot in the tabs receiving the portions of the body portion of the doll form **21** immediately above the slot **29**, as will be evident from FIGURES 1 and 2.

The end portions of the bottom portion of the back piece **30**, outwardly of the tabs **36**, are employed as supporting legs or wings **39** merely by being folded on vertical fold or hinge lines to project rearwardly of the back piece **30**, as shown in FIGURE 2, the material of the back piece being cut as at **40** if necessary to permit such folding of the lateral end portions. When folded to project from the back piece **30**, the legs or wings **39** serve to hold the doll structure in substantially upright position on appropriate supporting surfaces. The tabs **36**, in addition to securing the doll form and back piece together at the bottom portions thereof, cooperate with the wings **39** to support the doll in vertical position, and tend to prevent the doll from toppling over forwardly as for example when inadvertently pushed from the rear. The bottom edges of the tabs **36** and wings **39** lie in a common plane substantially perpendicular to the plane of the doll body and back piece. It will be noted that the tabs are relatively small, and this small size of the tabs together with the location of the slots and tabs at the central portion of the bottom of the doll body or form **21** avoids any detraction from the appearance of the doll, since the spaced feet are not obscured or marred.

The back piece **30** has arm portions **41** generally corresponding to the arms **23** of the doll body **21**, and hand elements **42** at the free ends of the arm portions formed for cooperation with the doll body or form as **24** and the extensions **25** thereof. The hand elements **42** preferably are formed to correspond more or less with the contour of the doll form hands **24**, but the dimensions and shapes thereof are such that in their cooperating relation with the hands **24** they do not project beyond the edges thereof, so that they are not visible from the front of the doll. Each of the hand elements **42** has a slot **43** therein opening in the opposite direction from the slot **27** of the adjacent hand extension **25**; that is, it opens in the direction of the representation of the torso of the doll. A free end portion **44** is defined in the hand element by the line of the slot **43**.

As best illustrated in FIGURES 3 and 4, the hand elements **42** are connected to the hands **24** by folding of the hand extensions **25** on the line **26** so as to lie behind the hands **24**, and sliding the free end portions **44** of the elements **42** between the hand **24** and the extensions **25**, the slots **27** and **43** inter-engaging to receive the material of the respective parts at the closed ends of the slots **43** and **27**, respectively. The free end portions **28** of the extensions **25** are disposed between the hand elements **42** and the hands **24**, so as to lie substantially in the same plane as the free end portion **44** of the hand elements **42**. It will be readily seen that the respective end portions serve to space the hands and the arm portions to make insertion of clothing tabs easier. It will be evident that

the interlock or connection between the hands 24 of the doll form and the hand elements 42 of the back piece may readily be accomplished by reason of the flexibility and resilience of the material and the corresponding location of the several parts for ready registration and interconnection. The connections of the hands of the doll form 21 to the hand elements 42 of the back piece 30 serve not only to secure the back piece to the doll form at free standing portions thereof, but also to effect another purpose explained hereinafter.

The back piece 30 cooperates with the doll body or form for the securement of doll garments or other articles, edge tabs on the garments or articles of clothing being bent to extend between the body and back piece, the projection or lip 31 of the body providing convenient means for separating the body and back piece to facilitate insertion of the clothing tabs therebetween, and also for guiding the tabs between the body and back piece, in accordance with the paper doll construction which we have heretofore provided, as previously explained. It is to be noted that the back piece might be otherwise secured to or associated with the doll body or form than by the attaching or connecting means herein specifically disclosed, and that the marginal projection, flange, or lip 31 need not be provided. The hand portion connections illustrated and described serve not only for the securement of the back piece to the doll form or body 21, but allow the attachment of suitable articles of clothing or accessories, such as the purse or hand bag H or the scarf S shown in FIGURE 1, to the doll by direct engagement of a portion thereof between the hands 24 and hand elements 42 to simulate the carrying thereof by the doll figure, without the need for provision of tabs and the insertion of the tabs between the back piece and doll form, as will be evident.

In FIGURES 5 to 10 inclusive, there is shown another embodiment of a doll structure according to the present invention, differening in certain respects from the embodiment shown in FIGURES 1 to 4. In this embodiment, the doll structure, generally designated 50, comprises a front doll body, or front doll form, 51 and a back piece, or rear doll body or form, 52, the front and rear forms 51 and 52 being substantially identical in size and contour and adapted to overlie each other in substantially exact registration. On the front doll form is depicted the face and front of a figure, as indicated at 53, while on the rear doll body or form 52, or back piece, there is printed or otherwise depicted the back of the head and figure in correspondence to the face and front of the figure represented on the front doll body or form 51, as indicated at 54 and shown in FIGURE 6. The front and rear doll forms 51 and 52 may conveniently be formed from a single sheet of cardboard or other appropriate material having the requisite properties, to facilitate the cutting, scoring, and printing or other operations in the forming thereof. In such case, the two doll forms may be integrally hinged together at the top or head portions thereof as at 55. It will be understood, of course, that if desired the two forms may be made as separate parts and hinged or otherwise attached together by any appropriate means.

The front and rear doll forms 51 and 52 in this instance are held in slightly spaced relation from each other to facilitate insertion of the bendable tabs on articles of clothing therebetween, this spacing or separation being effected by a narrow spacer 56 which has a bottom portion 57 corresponding substantially to the bottom portions of the front and rear body forms 51 and 52, and employed to secure those bottom portions securely together and to provide a stand for supporting the structure in upright position. From the bottom portion 57, the spacer 56 extends upwardly generally centrally of the front and rear forms and following the general curvature thereof, to a point adjacent the neck and shoulders, as clearly shown in dotted lines in FIGURES 5 and 6. The bottom portion 57 of the spacer 56 has formed centrally thereof in slightly spaced relation to its bottom edge a horizontal slot 58, and at its opposite ends is cut along lines 59 to provide a pair of wings 60 connected to the bottom portion 57 by hinge portions 61 (FIGURE 9) extending upwardly from the straight bottom edge of the spacer 56 to a point intermediate the height of the wings 60, the wings having upwardly opening slots 62 (FIGURE 10) formed therein above the hinge portions 61. A pair of vertical slots extending upwardly from the bottom edge of the front body form 51 define a tongue, or tab, 63 which is received through the slot 58 to lie between the bottom portion 57 of the spacer 56 and the rear doll body or form 52, as will be clear from FIGURES 5, 6, 9 and 10. Extending upwardly from the bottom edge of the rear body form 52 at locations corresponding to those of the hinge portions 61 of the wings 60 are a pair of slots 64 of sufficient height to accommodate the hinge portions when the bottom edge of the spacer bottom portion 57 is disposed in registration with the bottom edges of the front and rear body forms. The wings 60 are folded to extend rearwardly substantially at right angles from the spacer bottom portion 57, with the portions thereof adjacent the hinge portions 61 and below the slots 62 received in the slots 64 of the rear doll form or back piece, and with the slots 62 thereof receiving the material of the bottom portion of the rear doll form 52 immediately above the slots 64. It will thus be apparent that by means of the inter-engagement of the parts of the bottom portion 57 of the spacer 56 with the front and rear doll forms 51 and 52, these forms are secured together at the bottom thereof in a simple and readily operable manner, and may just as readily be disassembled when desired. The wings 60 provide a firm stand construction, in conjunction with the bottom edges of the front and rear doll forms and of the spacer portion 57 to support the doll in upright position. It will be noted that the central tongue and slot connection between the front doll form and the spacer 56 occupies only a small portion of the surface area of the bottom of the structure, and thus avoids any interference with or marring of the representation of the spaced apart feet of the depicted front figure 53.

The front doll form has arms 65 and hands 66 extending free of and spaced from the torso, and the rear doll form 52 has corresponding arms 67 and hands 68, as will be apparent from FIGURES 5 and 6. Each of the hands 66 has an extension 69 hingedly connected thereto by a hinge portion 70 extending for a portion of the width thereof, the extent of the hinge portion 70 being limited by the provision of a slot 71 substantially in alignment with the hinge portion and extending inwardly from the edge of the hand and extension which is remote from or directed away from the torso. The hands 68 have extensions 72 generally similar to the extensions 69, hinge portions 73 connecting the extensions to the hands 68, and slots 74 in substantial alignment with the hinge portions which are formed generally along the line between the hands 68 and extensions 72, the slots 74 opening in opposition to the slots 71 of the hands 65 and extensions 69 of the front doll form 51, or in other words opening in the direction of the torso. To provide the interlock or connection between the hands 65 and 68, the extensions 69 are folded back to general parallelism with the hands 65 and concealed thereby from the front, and the extensions 72 correspondingly are folded forwardly so as to be doubled behind and concealed from the rear by the hands 68, as will be evident from FIGURE 8 in particular. It is then only necessary to position the hands 65 and 68 so that the former is inwardly of the latter, or in other words closer to the torso, and then move the hand 68 relative to the hand 65 so that the respective slots 71 and 74 are inter-engaged and receive therein the hinge portions 73 and 70 respectively. In the case of the left hand of the doll as shown in FIGURE 8, the movement

of the hand **68** relative to the hand **66** is indicated by the arrow.

It will be apparent that the connection between the hands of the front and rear doll forms **51** and **52** is particularly adapted to a doll structure in which the back piece takes the form of a rear doll body or doll form, and while serving all the purposes of the back piece **30** of the doll structure as shown in FIGURES 1 to 4, provides an improved and more realistic appearance in that it provides a rear figure or form as well as a front one, and permits clothing to be provided which covers the rear of the doll as well as the front. By means of the extensions **69** and **72** inter-engaged with each other and disposed between the front hands **66** and rear hands **68**, the appearance of the hands is not marred or detracted from, and suitable articles of clothing or accessories may be secured to the hands in a manner realistically simulating grasping thereby without the need for tabs thereon to be inserted between the front and back forms, although as in the case of the structure of FIGURES 1 to 4 the usual tab arrangement may be employed if desired. The disposition of the extensions **69** and **72** between the corresponding hands **66** and **68** provides a spacing between the front and rear doll bodies or forms adjacent the hands which facilitates insertion of the tabs of garments therebetween, in the same manner that the spacer **56** accomplishes this result. The tendency of the inherent resilience of the material to cause the extensions **69** and **72** to force the hands **66** and **68** apart may readily be overcome in any appropriate manner. In the present instance, this is done by forming each of the hinge portions **70** and **73** by means of a plurality of score or fold lines, so that these portions are of substantial width, and by correspondingly making the slots **71** and **74** of sufficient width to receive the respective hinge portions without any appreciable resulting tension on the extensions.

It may be pointed out that in both embodiments of the invention so far described, the connections of the front doll form and the back piece, whether of the type of the back piece **30** or of the rear doll form **52**, is effected at the hand in a simple and easy manner, and disassembly is readily accomplished when desired, yet the possibility of the hand connections becoming disassembled in some unintentional manner is practically non-existent. That is, manipulation of the doll as in applying or removing articles of clothing or the like does not cause the hand connections to pull loose. This is due in part to the cutting of the slots in the manner described, which requires the hand of the front doll form to be moved inwardly relative to the torso, that is the left hand must be moved to the right and the right hand to the left. Thus, the disengaging movement of one hand is resisted by the other. Furthermore, once the front doll form and the back piece or rear doll form are connected at the top and bottom and at the free end portions, relative movement of these parts in a sliding manner is so largely prevented that the necessary relative movement between the parts of the hand connections is not achievable.

In FIGURES 11 to 14, inclusive, there is illustrated another embodiment of the invention in which a connection between the front doll body or form and a back piece such as the back piece **30** previously described is provided which is similar to that illustrated in FIGURES 1 to 4, but has certain differences therefrom in both construction and results. The bottom connection and stand construction illustrated in FIGURES 11 to 14 is shown as incorporated in a doll structure generally designated **80**, only the bottom portion thereof requiring illustration. The structure comprises a doll body or doll form **81** similar to the body or form **21** previously described, having suitably depicted thereon a human or other figure, as indicated at **82**. A back piece **83** similar to the previously-described back piece **30** is provided which is secured to the doll form **81** at the head or other upper portions thereof in any suitable manner (not shown), the bottom portion of the back piece **83** substantially registering in overlying relation with the bottom portion of the body form **81** where the parts are assembled, and being of slightly smaller size through the remainder thereof so as to provide the marginal projection, flange, or lip **31** previously described in connection with the embodiment of FIGURES 1 to 4. As in the case of that embodiment, of course, the back piece **83** may conform throughout in both contour or shape and dimensions with the body form **81** as in FIGURES 5–10. The back piece **83** has its opposite end portions folded about vertical lines to form securing tabs **84** which may project forwardly from the back piece in substantially perpendicular relation thereto. The tabs **84** have slots **85** formed therein extending downwardly from the upper portion thereof adjacent the lines of fold, the slots **85** terminating short of the bottom edge of the back piece to leave hinge portions **86** by which the tabs remain joined to the back piece. These slotted tabs interengage with the bottom portion of the doll form **81** by means of downwardly opening slots **87** extending upwardly from the bottom edge of the bottom of the form **81** in alignment with the hinge portions **86** and of a height sufficient to receive the hinge portions therein with the bottom edges of the back piece and doll form substantially aligned. When the tabs **84** are folded forwardly and interengaged with the bottom portion of the doll form by means of the cooperating slots **85** and **87**, the back piece **83** and the doll body or form **81** are securely joined together at the bottom thereof.

The back piece **83** also has formed therefrom a pair of legs or wings **88** adapted to be folded to extend rearwardly therefrom. The wings are formed from the material of the back piece **83** between the tabs **84**, and at substantially the central portion of the back piece, by means of suitable cuts along the lines indicated at **89**, and hingedly connected to the back piece at lines of fold indicated at **90**, which preferably extend throughout the full height of the wings **88** from the bottom edge of the back piece **83**. The wings **88** when folded to extend rearwardly provide a stable support or stand which holds the doll upright, the tabs **84** projecting forwardly through the doll form **81** cooperating with the wings **88** in providing such stable support.

It will be apparent that the construction of FIGURES 11 to 14 is similar to the stand and interlock employed in the embodiment of FIGURES 1 to 4, but provides the forwardly projecting interlocking and supporting tabs adjacent the ends of the bottom of the structure. By this arrangement, the tabs **84** are disposed laterally outwardly of the representation of the feet of a figure, such as indicated at **82** in FIGURE 11, which are shown at the central portion of the bottom of the doll structure, and thus the tabs avoid obscuring the feet or marring the printing or other representation thereof. The fact that the tabs **84**, as shown, are relatively small in size of course assists in achieving substantially full visibility for the foot portion of the figure.

Another embodiment of the invention is illustrated in FIGURES 15 and 16, FIGURE 15 showing a doll structure generally designated **100** which comprises a doll body or form **101** generally similar to the bodies or forms **21** and **51** previously illustrated and described, and having a suitable figure **102** depicted on the front face thereof, substantially as in the other embodiments illustrated. A suitable stand construction indicated generally at **103** is provided at the bottom portion of the doll structure, and may be of any suitable form, as for example the stand arrangement of FIGURES 1 to 4. The doll structure **100** also includes a garment **104**, in this case shown as a wide flaring skirt, which is secured to the doll body by means of tabs **105** and **106** projecting from the periphery of the skirt and bendable into securing engagement with the doll body or form **101**. In this instance, a pair of tabs **105** is shown adjacent the waist portion of the skirt, in generally opposed relation, that is, on opposite edge portions of the

skirt. These tabs may be of the usual straight formation found on garments as commonly employed with paper dolls, and serve their purpose without any appreciable difficulty because they are substantially perpendicular to the skirt edges on which they are formed, and such skirt edges are substantially parallel and lie relatively close to the waist portion of the torso of the doll form **101**, so that, when folded to engage behind the doll form, a substantial portion of the tabs engages with the form. This will be evident from FIGURE 15, in which the folded position of the tabs lying behind the doll form **101** is shown in dotted lines, and the outline of the doll form **101** at this portion of the torso is also shown in dotted lines, to illustrate the relationship of the doll form edges and the skirt edges at this general area.

A pair of tabs **106** is also shown as provided on the bottom edge of the skirt **104** to secure the lower edge portion of the skirt and prevent its flapping about loosely, the tabs **106** being intended to extend behind the doll form **101** at the knee portion thereof. It will be apparent from FIGURE 15 that the bottom edge of the skirt extends at a considerable angle, in this case approximately 90°, relative to the edges of the doll form **101** adjacent the bottom of the skirt **104**. It will be apparent that if the tabs **106** were similar to the tabs **105**, that is, if they extended substantially perpendicular to the bottom edge of the skirt and were of a straight configuration they would extend largely parallel to the edge portions of the doll body or form **101** behind which they would be required to engage if the skirt bottom were to be properly held in place. The tabs **106**, however, as perhaps best shown in FIGURE 16, are not straight but of a hooked or curved shape in the planes thereof, so that when they are folded along the skirt edge the free ends thereof, as well as the portions adjacent the base thereof adjacent the fold lines will extend behind the doll form **101**, as clearly shown in FIGURE 15, and thus provide the necessary securing engagement of the skirt. It may be pointed out that while the tabs **106** are shown as of curved conformation in their planes, other shapes may be employed such as an angularly offset configuration, to achieve the same result. It would be possible to provide for securement of the bottom edge of the skirt by the use of straight tabs similar to the tabs **105**, but such an arrangement would require that the configuration of the skirt be changed to provide a pair of edge portions from which the tabs would extend, such edge portions being arranged so as to be generally parallel to the edges of the doll form under which the straight tabs were to engage, so that a sufficient engagement between the tabs and the doll form would be achieved to hold the skirt in place. Such a requirement as to the relationship between the edge of a garment or article of clothing with relation to the edge of the doll's body on which the garment is to be secured results in a very considerable limitation upon the possible designs of clothing which may be provided, and thus unnecessarily limits the variety of garments which may be provided and provides a restriction on the diversity of doll structures which may be employed. By the provision of the hooked tabs **106**, such limitations and restrictions are removed and freer scope is given to the skill of the designer of paper doll structures and the greatest possible latitude in the costuming of paper dolls is allowed.

While we have illustrated preferred forms of our invention, it is not our intention to be limited thereto, except insofar as the appended claims are so limited, since modifications thereof may be made and will suggest themselves to those skilled in the art in view of our disclosures.

We claim:

1. For use in connection with paper doll clothing which is adapted to overlie a paper doll body and be supported thereon by bendable tabs on the periphery of the doll clothing, a paper doll comprising a body portion, retaining means for holding the bendable tabs in clothes-supporting position with respect to said body portion, means for securing the retaining means in underlying relation with said body portion, said body portion including at least one arm portion and related hand portion in free-standing relation to the torso of said body portion, and said retaining means including similar arm and hand portions disposed underlying said arm and hand portions of the body portion, and means detachably connecting the hand portion of the body portion to the hand portion of the retaining means.

2. The paper doll of claim 1, wherein said connecting means comprises an extension on one of the hand portions connectable with the other hand portion.

3. The doll of claim 1, wherein each of the hand portions has an extension connectable with the extension of the other hand portion.

4. The doll of claim 3, wherein the connectable extensions of the two hand portions are disposed between the hand portions upon connection thereof.

5. The doll of claim 2, wherein the extension is formed on the hand portion of the body portion and has a slit formed therein, and the hand portion of the retaining portion has a mating slit therein, said extension being foldable into underlying relation with the hand portion from which it extends for engagement of said slit therein with the said mating slit.

6. The doll of claim 3, wherein each of the extensions has a slit formed therein, said extensions being foldable into a position between said hand portions with the slits interengaged, whereby the hand portions are held secured together.

7. The doll of claim 6, wherein distortion of said arm portions is required for interengagement of said slits of the hand portion extensions and the inherent resilience of the arm portions assists in retaining the interengaged extensions against separation.

8. In a doll having a first means defining a form, a side edge of which is adapted to have tabs of garments and the like folded thereabout to support the garments on said form, a second means defining a backer behind said first means including a bottom portion and a side edge, the latter being located generally along said side edge of the first means and free therefrom to engage and retain tabs folded over the edge of the first means and beneath the second means, and stand means for holding the form substantially upright, said stand means comprising interconnecting tab and slot means which secure together the bottom portion of the first and second means and include a pair of spaced wings projectable rearwardly of said first and second means at the bottom thereof and are spaced laterally relative to said interconnecting tab and slot securing means, said wings and bottom portions of the first and second means having bottom edges lying substantially in a common plane generally normal to the plane of said form.

9. In a doll having a first means defining a form, a side edge of which is adapted to have tabs of garments and the like folded thereabout to support the garments on said form, a second means defining a backer behind said first means including a bottom portion and a side edge, the latter being located generally along said side edge of the first means and free therefrom to engage and retain tabs folded over the edge of the first means and beneath the second means, and stand means for holding the form substantially upright, said stand means comprising a pair of brace tabs and a pair of wings integral with the bottom portion of the second means and foldable out of the plane thereof, the brase tabs being projectable through slots provided in the bottom edge of the first means and interengaging with the bottom portion of said first means about the slots, and the pair of wings being spaced laterally relative to the brace tabs and projectable rearwardly from said bottom portion of the second means, said brace tabs, wings and bottom portions of the first and second means having their bottom edges disposed substantially in a com-

mon plane generally normal to the plane of said first means.

10. The doll of claim 9 in which the brace tabs are located centrally of the bottom portion of the second means and between the wings which are spaced laterally outward relative to the brace tabs.

11. The doll of claim 10 in which the brace tabs are located adjacent the laterally outer ends of the bottom portion of the second means and the wings are located centrally of the said bottom portion of the second means between the wings.

12. In a doll having a first means defining a form, a side edge of which is adapted to have tabs of garments and the like folded thereabout to support the garments on said form, a second means defining a backer behind said first means including a bottom portion and a side edge, the latter being located generally along said side edge of the first means and free therefrom to engage and retain tabs folded over the edge of the first means and between the second means, and stand means for holding the form substantially upright, said stand means including a spacer member disposed between said first and second means to space apart said form and

backer which they define, said spacer having a horizontal slot and the bottom portion of one of said first and second means includes a tab which interlocks with said slot, said spacer member further having a pair of wings projectable through provided slots in the bottom portion of the other of said first and second means, said wings being spaced laterally relative to said tab means and said wings and bottom portions having their bottom edges lying substantially in a common plane generally normal to the plane of said form,

References Cited in the file of this patent

UNITED STATES PATENTS

959,655	Tuck	May 31, 1910
1,026,624	Chester	May 14, 1912
1,041,917	Waddington	Oct. 22, 1912
1,066,769	Waddington	July 8, 1913
1,176,637	Anderson	Mar. 21, 1916
1,231,145	Ferguson	June 26, 1917
1,232,601	Pente	July 10, 1917
1,255,677	Wilt	Feb. 5, 1918
1,285,037	Chance	Nov. 19, 1918
2,338,738	Rebholz	Jan. 11, 1944