The present invention relates to a category of endeavors which have to do with dressmaker’s forms, display manikins, dolls and persons allied therewith and attending practices and procedures having to do with sewing schools, private dressmakers, dress shops and stores, dress manufacturer, traveling salesmen handling dresses and millinery and others which will be hereinafter touched upon. More in particular the over-all concept takes into consideration the particular lines and problems briefly mentioned above. A significant aspect of the concept involves a unique manikin which, for the most part, is to be considered as a miniature or doll-size-type. For example in carrying out the principles of the accomplishment under consideration a dress stylist or a private seamstress will have at her disposal a novel doll-like miniature manikin, hereinafter referred to as a fashion doll, that is, a precision-made doll which is not only imitative of but in close resemblance to a live modiste’s model. To this end the doll or manikin will be proportioned in keeping with contours and measurements of a selected human being or particular model. To enable the stylist or seamstress to pick out suitable styles, colors and so on to suit the ones being designed the doll size manikin will be at her disposal. To the end desired interchangeable or detachable heads are provided permitting changing of the faces, hair coloring and so on to demonstrate different effects with dresses, apparel and clothing. For instance the doll or manikin may be made up for teen age girls or youngsters and for adults (mother or grandmother) relying on the use of hair that may be blond, red, brunette or gray as the case may be. It is to be regarded as within the purview of the invention to provide not only a fashion doll with a readily applicable and removable precision made head but a head which lends itself to the attachment of permanent real hair or, in lieu thereof, different styles and colors of wigs.

The invention also features a fashion doll manikin having arms which are attachable and detachable to facilitate dressing and undressing the same. A sturdy base which is self-standing is preferably provided. In fact a self-standing base with the figure or manikin swivelled thereon would be within the range of the inventive concept.

There has always been a need in sewing schools and the like for better equipment and it is therefore an object of the instant invention to provide the classroom with the type of doll or manikin herein under advisement. Students in the class will find this invention helpful and advantageous. By the same token private dressmakers can save yards of dress material and at the same time enable the customer to get an idea in advance what a particular dress, for example a wedding dress, will look like by almost perfect demonstration on the modeling doll or manikin.

Persons conversant with dress shop activities are aware of the salesmen who travel and who encounter difficulties in showing and displaying sample dresses. The average salesman will confirm the fact that it is costly for the manufacturer to provide each salesman with a sample dress of each of the styles as they are created. Equipped with the instant fashion-type manikin, say one of standard size, sample dresses could be made to exactly fit the display manikins resulting in a saving in time, labor, material and money. In fact with the aid of the present invention a traveling salesman can display his goods more effectively than at any time in the past. Instead of having to take up so much space in a store on a demonstration occasion, quite undesirable so far as the store owner is concerned, the salesman aided with the convenience of the prerequisite manikin will do well despite the fact that packing and carrying dresses in suitcases and resulting wrinkles have to be coped with.

Construed otherwise the instant concept pertains to dress shops, stores, private dressmakers’ quarters and so on wherever dressmaking and display forms and manikins are customarily used. It involves the use of a miniature manikin comprising a doll constructed to accurately simulate and conform to a selected human being, a live modiste’s model for example, the contours and measurements of the components of said doll corresponding, on a half-size or an equivalent basis, to contours and figure measurements taken from said model, said doll thus made, being adapted to properly wear and consequently display any one of a line of half-size dresses each of which has been expressly designed and in keeping with the afore-said proportional size principle, whereby a dress of the line being considered may be resorted to as a pattern or replica when making a full-size dress conformable thereto.

Further novelty is predicated on the construction stated and wherein the same is equipped with readily attachable and detachable arms and also a readily attachable and detachable head, in conjunction with a suitable base and other exclusive features.

Then, too, further novelty is predicated on the particular manner in which the attachable upper end portions of the aforementioned attachable and detachable arms are separately joined to the diametrically opposite shoulder portions of the manikin body. To the ends desired the shoulder portions of the body or doll are provided with diametrically opposite cooperatively aligned recesses defining outwardly opening sockets. A permanent magnet is anchored in the bottom portion of each socket. The attachable upper ends of the arms having their attachable surfaces mated and conformable with and abutting the respective shoulders, these ends being flattened and each flattened end being provided with a projecting permanent magnet which is shaped and sized and fitted telescopically within the confines of the outer tapering end portion of the adjacent socket so that the respectively cooperating fixed and movable magnets serve to detachably hold the arm in a given suspended position alongside the body of the doll.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Fig. 1 is a view in perspective of a dress display manikin constructed in accordance with the principles of the present invention.

Fig. 2 is an enlarged detail section on the plane of the line 2—2 of Fig. 1 looking in the direction of the arrows.

Fig. 3 is a fragmentary view in section and elevation showing a head and neck construction.

Fig. 4 is a perspective view of a portion of one arm.

Fig. 5 is a view in perspective of the shoulder expressly made to accommodate the arm.

Fig. 6 is a section on the plane of the line 6—6 of Fig. 1; and

Fig. 7 is a view similar to Fig. 3 but showing a modified detachable head construction.
By way of introduction to the description of the details it is to be pointed out that an aspect of the concept which makes manikin or manikin valuable is the body measurements corresponding with those of the human figure. By taking a person’s measurements, then cutting those measurements in two, an exact “scale model” of a dress for that person can be made and demonstrated on the doll or by using a doll with half of a person’s measurements, then doubling those measurements of the doll, an exact, actual size article of clothing can be made.

The base as shown in FIG. 1 is denoted by the numeral 8 and is of suitable material, shape and size. It is preferably portable and yet sufﬁciently heavy that it is self-standing. The doll or manikin as an entity is denoted by the numeral 10 and it is made of moldable plastics or other materials which the manufacturer finds capable of feasible compliance with the end results desired. The torso or body is denoted at 12 and the shoulder portions at 14. As seen in FIG. 5 each shoulder has a recess or socket 16 formed therein. Fastened in the bottom of the socket 16 is a set of auxiliary pins or the like and is a permanent magnet 18. The socket serves to accommodate a suitably made companion magnet 20 which telescopes into the socket and which is fastened at 22 on the end 24 of the detachable arm 26. The arms of the doll are readily attachable and are such in construction that they enable the user to detach the same temporarily while dressing the doll and to thereafter insert the arms through the sleeves of the dress (not shown) which is to be ﬁtted on the manikin. Moreover, these arms are shaped and in proportion with the arm of the aforementioned live model and are adjustably positioned and relatively oriented so as to assume and imitate at least one known mannerism which is regarded as typical of the appearance of the personality of the model which is being imitated. Then, too, it will be noted that the respective shoulder portions of the doll are ﬂattened at the outer ends of the aforementioned recesses or sockets 16. Further, the outer end portions of the sockets 16 are outwardly tapered. With further reference to the magnet 18 it should be noted that it is of a cross-sectional thickness which is less than the depth of the socket. In fact, it is sealed and removably anchored in the bottom portion of the socket as shown particularly in FIG. 2. Furthermore, it should be noted that the upper ends of the arms 26 are appropriately ﬂattened and mated with and conﬁgurable with the shoulder surfaces with which they cooperate. More speciﬁcally, the shoulder abutting surfaces are ﬂattened and each ﬂattened end is provided with the aforementioned axially projecting permanent magnet 20 which is of a transverse cross-section less than the area of the coating shoulder abutting surface and is the shape and size to properly ﬁt within the conﬁnes of the outer portion only of the socket. Accordingly, the respective ﬁxed and movable magnets 18 and 20 abut each other and serve in a novel way to detachably hold each arm in a given position alongside the body of the doll. The legs 28 are provided as shown in FIG. 1, 2 and 3, each with a positioned feet 30 and are provided with genuine properly fashioned shoes 32. The sockets 34 which are axially and vertically disposed serve to accommodate the upper end portions of the anchoring and retaining pins 36 carried by the base and rising vertically therefrom making it possible to support the ﬁgure or manikin in any position and separate the two and for compactness and convenience in carrying and storing.

The detachable head (FIGS. 1, 2, and 3) is denoted as an entity by the numeral 38 and the face is distinguished by the numeral 40 and the hair at 42. The hair may be natural hair permanently attached or a wig. The neck portion of the body is denoted in FIG. 3 at 44 and is provided with a permanent magnet 46 telescoping into the socket 48 at the bottom of which is a companion permanent magnet 50.

It is within the purview of the invention as shown in FIG. 7 to use a slightly different neck construction. In FIG. 7 the neck portion of the body is denoted at 52 and is provided with a screw threaded stud 54 which screws into a screw threaded socket 56 provided in the companion neck portion 58. It is important that the base be so made and related to the ﬁgure or manikin that there is little likelihood of the manikin being tipped or tilted over.

Anyone out of proportion with standard measurements, those deformed in some way, could obtain dolls to conform to their own measurements, by special order. They could then adjust the patterns and try out styles, which would be more becoming to their particular problems. Many people would like to try a suit or style without having to buy one and try it on before spending any money in case they didn’t like the pattern or style. The small dress could be used as a doll dress for some little girl.

It is submitted that a careful analysis of the herein revealed disclosure will enable the reader to fully comprehend and appreciate the unique and valuable concept, original structure and features and advantages thereof which is to be made available to members of the public. Therefore, a more extended description is believed to be unnecessary.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modiﬁcations and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly all suitable modiﬁcations and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed is new as is follows:

Portion minimotivat manikin one-half the size of a full-sized manikin comprising a knockdown scale model doll which is precision-made and scaled to accurately simulate and conform part-for-part and feature-for-feature to corresponding parts and features of a selected live model, said doll including a head, neck, shoulders, body, arms, legs and feet, the contours and measurements of which are proportional on a half-size scale to the overall corresponding parts, contours and measurements exemplary of the aforementioned live model, said doll being thus exclusively fashioned and adapted to appli wear and display any one dress of a line of dresses especially designed and expertly made in compliance with the requirements of said doll whereby a ﬁttingly selected dress may then be utilized as a pattern or replica when making a conformably scaled full-sized dress, a base, said base having a ﬂat top surface and being provided with a pair of rigid spaced parallel perpendicular bars and retaining pins, the median portions of the feet at the bottom of the angle portions of the legs of the doll having downwardly opening sockets aligned with their respective pins, said pins ﬁtting telescopically into said sockets and permitting the manikin to be removably supported in an erect display position atop said base, the arms of said doll being readily attachable and enabling the user to remove the arms temporarily while dressing the doll and thereafter inserting the arms through the sleeves of the dress which is ﬁtted on the manikin, said arms being shaped and in proportion with the arms of the aforementioned live model and relatively oriented to assume and imitate at least one known mannerism typical of the appearance and unique personality of the imitated live model, the respective shoulder portions of said doll being provided with diametrically opposite cooperatively aligned relatively deep recesses deﬁning outwardly tapered sockets, a permanent magnet of a cross-sectional thickness less than the depth.
of said socket and secluded and removably anchored in the bottom portion of each socket, the attachable upper ends of the aforementioned arms being mated and conformable with and abutting their respective shoulders, the shoulder abutting surfaces of said upper ends being flattened and each flattened end being provided with an axially projecting permanent magnet, said magnet being of a transverse cross-section less than the area of the coating shoulder abutting surface and being shaped to and sized and fitting within the confines of an outer portion only of the adjacent socket and the respective fixed and movable magnets abutting each other and serving to detachably hold each arm in a given position alongside the body of the doll.

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