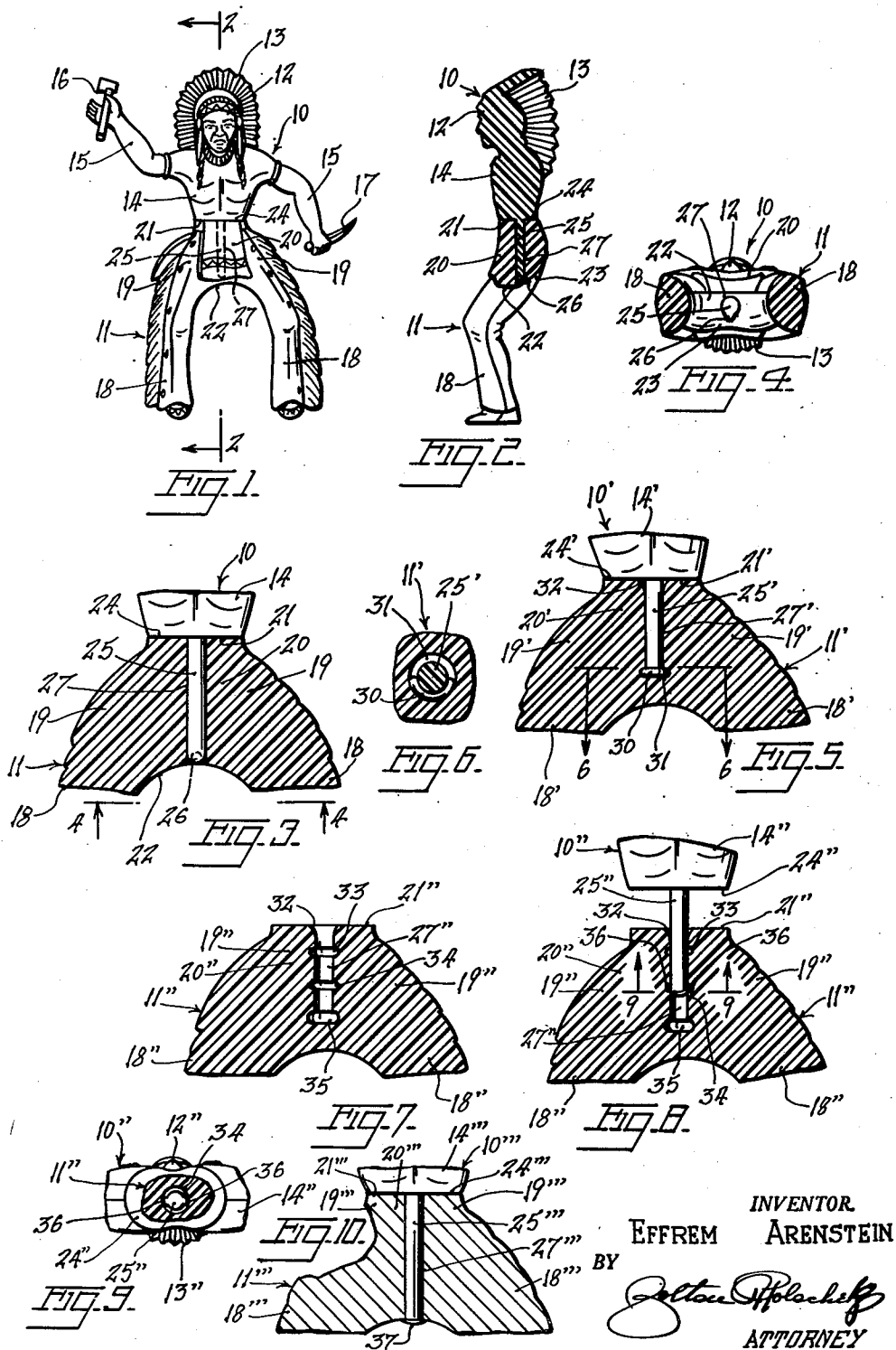


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E. ARENSTEIN
SWIVEL ACTION TOY FIGURE

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SWIVEL ACTION TOY FIGURE

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1 Claim. (Cl. 46—22)

This invention relates to a movable figure toy, the figure representing a person, animal or other object of a different nature.

A principal object of the present invention is to provide a figure toy, the upper part of the figure being readily movable by a child for assuming various poses for its amusement.

Another object of the invention is to provide a figure toy, the upper part of the figure being swivelly and adjustably mounted so that the figure may be made taller or shorter.

A further object of the invention is to provide a two-part plastic figure toy that is readily assembled and disassembled and which is provided with interlocking means for preventing accidental displacement of the parts when assembled.

Yet another object of the invention, according to a modification thereof, is to provide a figure toy of this character with means for affording an erratic swivel action to the movable part.

It is further proposed to provide a figure toy of this kind that is simple and durable in construction, characterized by fewness of parts that cannot get out of order, attractive in appearance, highly efficient for the purpose intended and that can be manufactured and sold at a reasonable cost.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claim in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a front elevational view of a figure toy embodying my invention.

Fig. 2 is a vertical sectional view taken on the plane of the line 2—2 of Fig. 1.

Fig. 3 is an enlarged part elevational and part sectional view showing the swivel connection between the upper and lower body portions of the figure toy.

Figure 4 is a horizontal sectional view taken on the plane of the line 4—4 of Fig. 3.

Fig. 5 is a view similar to Fig. 3 showing a modified form of swivel connection.

Fig. 6 is an enlarged sectional view taken on the line 6—6 of Fig. 5.

Fig. 7 is a fragmentary sectional view showing a modified form of socket in the lower body portion of the figure toy.

Fig. 8 is a view similar to Fig. 3 showing a still further modification of the invention.

Fig. 9 is a horizontal sectional view taken on the plane of the line 9—9 of Fig. 8.

Fig. 10 is another view similar to Fig. 3 but showing another modification of the invention.

The figure or body illustrated is a representation of an Indian but it will be understood that a figure of any other person, such as a cowboy, soldier, knight or the like, or

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of any type animal, or of any other object may be used as desired, the figure of the Indian being for illustrative purposes only. The figure is formed of a suitable rigid, semi-rigid or flexible moldable material but is preferably formed of a plastic, such as polyethylene.

Referring to the first form of the invention shown in Figs. 1 to 4, inclusive, the figure as shown comprises two separate parts, an upper body portion 10 and a lower body portion 11. The upper body portion includes the usual head 12, headress 13, torso 14 and arms 15, a tomahawk 16 being shown in one hand and a knife 17 in the other hand.

The lower body portion 11 includes spread apart legs 18 and hips 19, the hips being connected by a horizontal portion 20. The horizontal portion 20 is formed with a flat top side 21 and a slightly curved bottom side 22. Furthermore, this horizontal connecting portion is slightly deeper at the front thereby forming a slightly shallower, buttock portion with a slightly tapered bottom edge 23.

According to the present invention, the upper portion 10 of the figure is swivelly connected to the lower portion 11 and for this purpose the torso 14 of the upper portion 10 is formed substantially oval in cross section with a flat bottom 24. An elongated stem or shaft 25 having a smooth surface is formed integrally with the flat bottom 24 and projects downwardly from the center thereof. At its lowermost extremity, the stem is formed with a laterally extending knob or protuberance 26 projecting toward the rear of the upper portion of the body. The horizontal portion 20 connecting the hips 19 of the lower body portion 11 is formed with a smooth-walled passage or socket opening 27 extending through the center thereof for loosely receiving the stem 25. When the stem is positioned in the passage 27, a slight manual turning pressure on the upper portion 10 will cause it to swivel on the lower portion 11.

In assembling the figure, the stem 25 is inserted downwardly freely through the passage or socket 27 with its protuberance 26 facing the rear of the connecting portion 20, the inherent resiliency of the material permitting this movement. When the protuberance reaches the bottom end of the buttock portion of the connecting portion 20, it snaps over the tapered bottom edge 23 thereof, thereby interlocking with said edge to hold the upper and bottom portions of the figure against accidental displacement but permitting swiveling of the upper portion 10 of the body on the lower portion 11. The sliding fit of the stem in the socket and the bearing surfaces of the adjacent flat sides of the upper and lower body portions prevent tilting of the upper portion 10. Furthermore, when the upper portion 10 is turned slightly manually, the protuberance 26 on the stem rides over the tapered edge 23 of the connecting portion 20 and when the turning pressure is released, said protuberance tends automatically to return the upper portion 10 to its original position facing forwardly of the figure.

In Fig. 5, a modified form of swivel connection between the upper and lower body portions is shown. In this form, the torso portion 14' of the upper body portion 10' is formed with a depending stem or shaft 25' provided at the extremity of its free end with a laterally extending bead or flange 30 extending half way around the stem. The stem is seated in a socket opening 27' formed in the horizontal connecting portion 20' of the lower body portion 11' and terminating short of the lower end edge 22' of said connecting portion where it is enlarged as indicated at 31. At its top end, the socket opening is slightly tapered as indicated at 32.

In assembling this form of the invention, the beaded portion 30 is first inserted into the top tapered end of the socket opening and forced inwardly until the beaded portion reaches the enlarged end 31 when it snaps under

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and interlocks with the upper wall of the enlarged end 31 thereby holding the body portions 10 and all against separation or displacement. The inherent resiliency of the material of the figure permits this inward movement.

In all other respects, the form of the invention shown in Fig. 5 is similar to the form shown in Figs. 1 to 4, inclusive, and similar reference numerals are used to indicate similar parts, with a prime added.

Fig. 7 shows a modified form of socket opening 27'' to be used with the stem 25' of Fig. 5. Socket opening 27'' is formed with a plurality of spaced annular enlargements 33, 34 and 35 in which enlargements the beaded end of the stem 25' may be seated. By reason of this construction, the upper portion 10 of the figure may be spaced various distances away from the lower portion 11 thereby increasing the length of the figure and making it appear taller. When the stem is seated in the outermost enlargement 33, the upper portion of the figure is more or less loosely seated or unbalanced so that an erratic movement may be imparted to the upper portion 10 of the figure thereby adding to the interest in and amusement of the toy.

In Figs. 8 and 9, a modified form of stem 25'' to be used with the socket opening 27'' of Fig. 6 is shown. In other respects the various parts in Figs. 7, 8 and 9 may be recognized by similar reference numerals with two primes added. This stem 25'' is formed with opposed knobs or protuberances 36 in place of the semi-annular bead 30 of Fig. 5. When the stem is seated in the enlargements, the protuberances 36 snap under the upper walls of the enlargements and interlock therewith for holding the body portions against displacement.

In Fig. 10 the stem 25''' is shown to be formed with an enlarged head 37 which may be formed by swedging to prevent the stem 25''' and the torso 14 of the figure from becoming separated from the hips 19''. In other respects, this form of the invention is similar to the previous forms and the various parts may be recognized by corresponding reference numerals with three primes added.

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While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and that various changes and modifications may be made within the scope of the invention as defined in the appended claim.

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

A figure toy comprising a two-part body representing a human body including an upper body portion with head, torso and arm elements, the arm elements extending laterally, the torso being tapered inwardly, a lower body portion including spaced legs, hips and a curved portion connecting said hips, and means of swivel connection between said upper and lower body portions, including an elongated socket in the portion of the lower body portion connecting said hips, said socket opening into the upper side of said connecting portion and terminating inwardly short of the bottom side thereof, the upper end of the socket being tapered, said socket having a plurality of spaced annular enlargements therealong and at its base, and a protruding stem on the torso of the upper body portion loosely mounted in said socket, and a semi-annular bead on the free end of said stem adapted to seat loosely in a selected one of said enlargements.

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