G. H. CHINNOCK.

Articulated Toy-Figures.

No. 168,230. Patented Sept. 28, 1875.

Fig. 1.

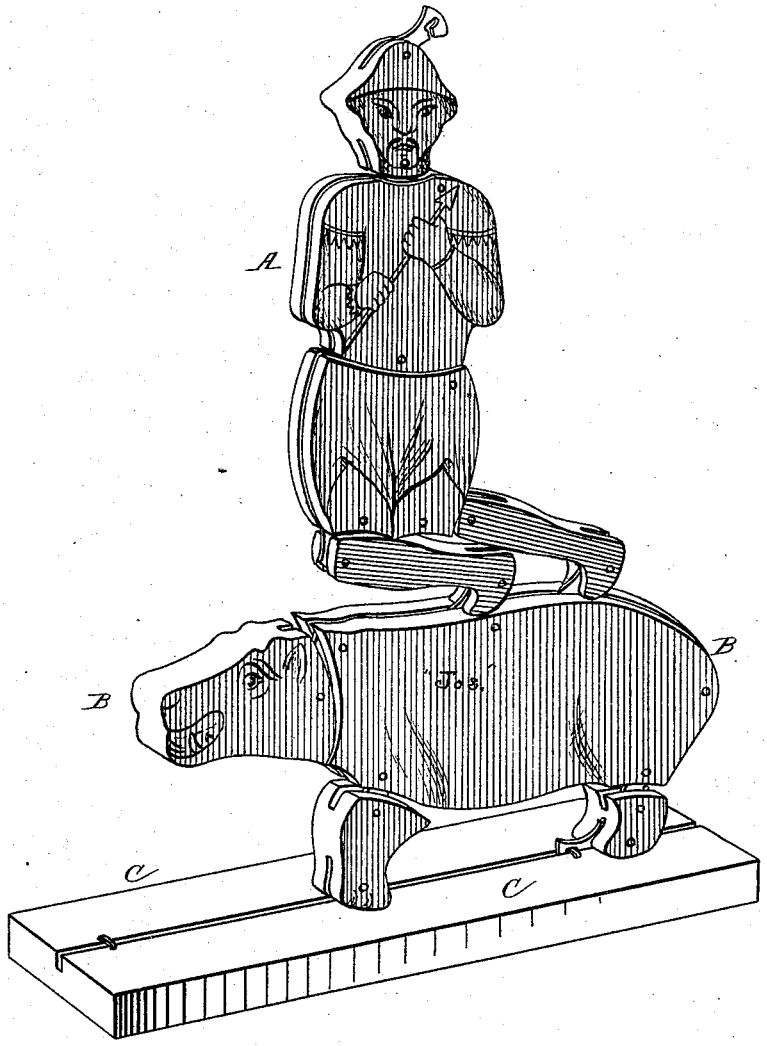
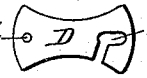


Fig. 2.



Witnesses:

Inventor:

Geo. H. Chinnock

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Atty.

UNITED STATES PATENT OFFICE.

GEORGE H. CHINNOCK, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN ARTICULATED TOY FIGURES.

Specification forming part of Letters Patent No. **168,230**, dated September 28, 1875; application filed September 2, 1875.

To all whom it may concern:

Be it known that I, GEORGE H. CHINNOCK, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Toy Figures, of which the following is a specification:

This invention relates to certain improvements in the construction of jointed or articulated figures or toys, its object being to provide an improved joint or connection for attaching the various members of the figure, or two or more figures, together, that will hold the parts more securely together than the joints usually employed, and at the same time be readily detachable, and by means of which a greater diversity of changes can be produced, and more grotesque positions of the figures secured.

My invention consists in a toy, composed of one or more articulated figures representing human beings or animals, or both, the various members of which are connected by means of a link pivoted in a suitable slot in one member, and adapted to be secured in a similar slot in the other by means of a pin and a slotted opening in the link, the adjoining parts of the members being, respectively, concave and convex, so that they may be turned laterally in either direction, as fully hereinafter described and specified.

In the drawings, Figure 1 represents a front view of my invention, and Fig. 2 a detached view of the connecting-link.

The various members of the figure or figures are constructed, as usual, in different parts, and slotted where said parts adjoin each other, for the reception of the connecting link, upon which the figure or figures may be mounted, as usual. In the present invention two figures are represented, consisting of a man riding a hippopotamus, and indicated by the letters A and B, the letter C representing the slotted stand. It is obvious, however, that the character of the figures may be varied indefinitely, and all classes of animals represented. The adjoining parts of the various members are made, respectively, with convex and concave surfaces, which construction allows the parts to move laterally. The letter D represents the connecting-link, by means of which said members are joined together. Each link is composed of a flat plate of metal or other suitable material, preferably formed with concave edges at the sides, and convex edges at the ends, although other shapes will answer the purpose. Said links are provided with apertures *d* at one end, and open eyes or slots *d'* at the other, and are attached permanently in the slots of one member or part by means of a pin passing through the opening, and are adapted to be secured in the adjoining part of the next adjacent member, in the slotted portion of which a pin is secured, over which the eye or slot *d* is secured. The link D, forming the attachment between the upper and lower trunks of the figure, is secured, through its aperture *d*, to the center of the upper part of the trunk, the point of attachment of the said link to the lower trunk being at either of the hips, in order that the two portions of the body may set closely to each other, and the curved surfaces of the adjoining portions work properly together. The head is also similarly attached to the body, the link being pivoted to the center of the neck, the pin over which it is to be hooked being located at the shoulders. Similar pins are also secured in the slotted base piece or stand C, for the purpose of securing the figures thereto.

The figures are constructed of wood or other suitable material, the various members being made of uniform thickness. The designs are properly printed upon paper or other similar fabric, and are applied to the wood, being secured thereto by means of glue or other adhesive compound, after which the members are cut out of the wood by sawing around the outlines of such designs, and one or both sides of the figures may be covered with such designs, which are printed in rights and lefts for the purpose.

From the above description it will be evident that, when the members of the figure or figures are connected together, the whole may be made to assume a variety of positions by shifting them in various directions.

The peculiar construction of the connecting-link, and the means of attachment of the same, together with the concave and convex surfaces of the adjoining portions of the members, maintain the figures in any position which may be given to them, independent of any clamping

action at the joints, as in the ordinary articulated figures; and, as the links form secure connections, it will be impossible to separate the parts of the figure, except designedly, a great advantage over the figures of the class as ordinarily constructed, the parts of which are with difficulty held together, and after a little use wearing to such an extent as to cease to hold at all, rendering the toy useless. In the present invention the parts are subject to little or no wear, and the figure can only be injured by absolute violence.

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

1. An articulated or jointed toy figure, the adjoining members or portions of which are made, respectively, concave and convex, and united by a metallic link swiveled to one part, and loosely attached and secured to the other by means of a slot in said link, arranged to engage a pin secured to the other part, for the purpose of allowing freedom of motion to the members, and the ready disengagement of said parts, substantially as described.

2. The metallic slotted link, pivoted to one member of an articulated toy figure, and adapted to be secured to the adjoining portion of the adjacent member, for the purpose of connecting said parts, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of the subscribing witnesses.

GEORGE H. CHINNOCK.

Witnesses:

JOS. L. COOMBS,

CHAS. P. WEBSTER.