

May 27, 1924.

W. F. MANGELS

1,495,917

FIGURE

Filed Jan. 25, 1922

2 Sheets-Sheet 1

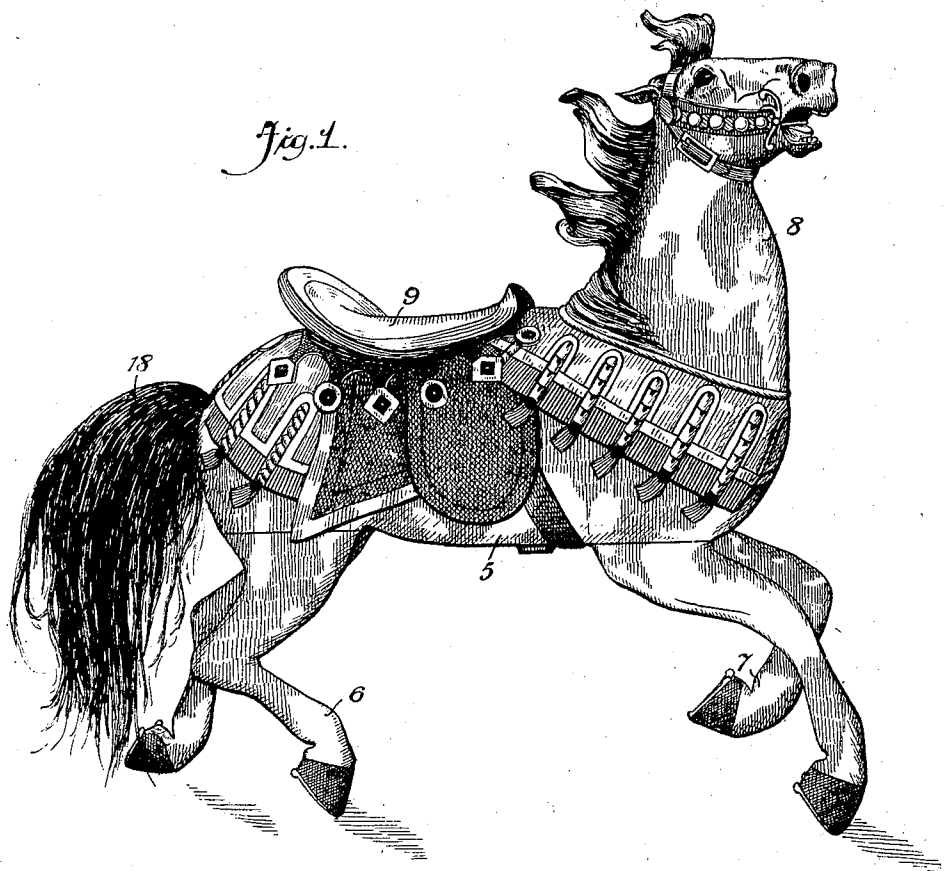
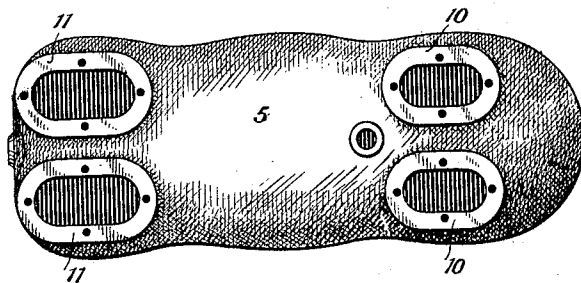


Fig. 2.



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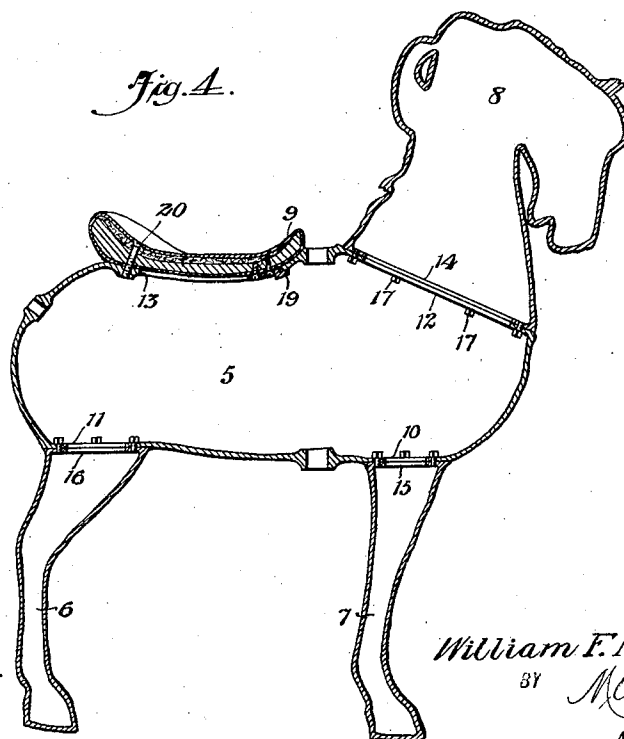
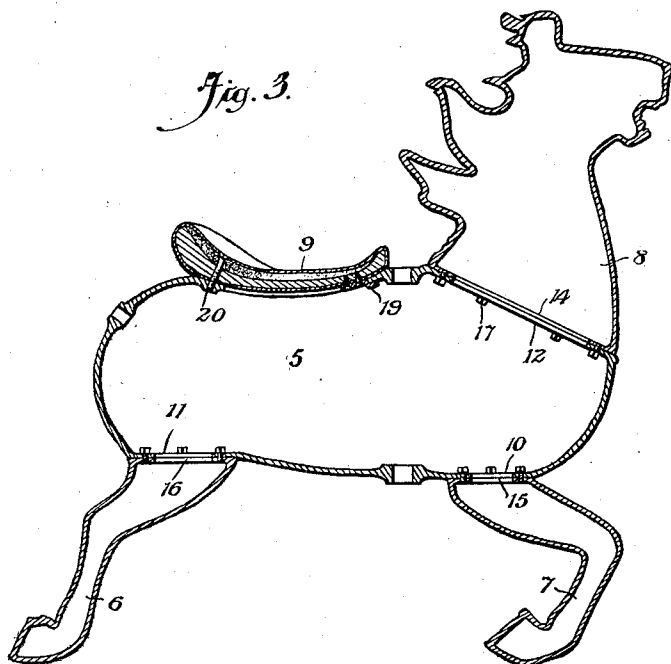
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FIGURE

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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE.

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FIGURE.

Application filed January 25, 1922. Serial No. 531,752.

To all whom it may concern:

Be it known that I, WILLIAM F. MANGELS, a citizen of the United States, and resident of the city of New York, borough of Brooklyn, county of Kings, and State of New York, have invented a new and Improved Figure, of which the following is a full, clear, and exact description.

My invention relates to a figure, and aims to provide a device of this nature primarily adapted for use in association with amusements, but not necessarily limited to this particular application.

In connection with carousels and similar devices, it is a well appreciated fact that it has been customary to provide figures in association with the same, such figures usually taking the form of quadrupeds. These figures have usually been constructed of wood, heavily painted, and varnished to protect the same against splitting, usually caused by the action of moisture. In any event, however, due to the rather severe usage which these figures receive the limbs and other parts of the figures have become broken from the main part of the body, and thus it has been necessary to replace the entire figure to restore the appearance of the device with which the same is associated, it being noted in this connection that these figures, incident to the carving which they necessarily undergo, cost a relatively large amount.

Also, taking for example where the figures are associated with a carousel, it has been usual to provide certain figures which present the appearance of galloping, these figures being supported by a mechanism which moves the same with respect to the platform upon which they are supported, while the other figures have the appearance of being stationary, the latter being directly mounted upon the platform and immovable with respect thereto. Now if an operator finds after a certain length of time that it is desirable for him to utilize more galloping figures, or vice versa, it is obvious that it is necessary for him to entirely remove the figures not desired, and to substitute entirely new figures to provide the result which is to be accomplished.

Thus it is a primary object of this invention to provide a figure of any desirable appearance which is particularly adapted for use in association with amusement devices, but which may be utilized in any de-

sirable adaptation, and which may be manufactured for an amount less than the amount a wooden figure might be constructed for.

A further object of this invention is the construction of a device of the character stated which shall have an extremely pleasing finished appearance, and which may be formed of a number of interchangeable units. Thus in the event of a certain part of the figure becoming broken, the same may readily be replaced without the necessity of furnishing an entirely new figure.

Still another object of this invention is that of providing a figure which, by virtue of its interchangeability will permit the owner thereof to subsequently alter the appearance of the figures without discarding the essential parts of the same, thus further reducing the expense, aside from the fact that when, in adaptations where it is necessary for the figure to be packed, such as with traveling circuses, the same may be disassembled to occupy far less space than is now necessary for its storage.

Further objects of this invention will become apparent in the annexed specification taken in connection with the drawings, which latter illustrate one practical embodiment of the same, and in which:

Figure 1 is a side elevation of a finished figure embodying my improved construction.

Figure 2 is a bottom plan view of the body or trunk of the figure, and

Figures 3 and 4 are sectional side views of a figure embodying my invention and showing the parts of the same disposed to present different appearances.

Thus in the embodiment illustrated it will be seen that I have shown the figure of a horse, and the essence of my invention consists in the provision of this figure consisting of a number of separate elements, such as a body, limbs, head, saddle, etc., these elements being initially provided, and being subsequently assembled to form a unitary whole.

Thus reference being primarily had to Figure 1 it will be seen that the reference numeral 5 indicates the body, 6 and 7 the rear and forward limbs, 8 the neck and head and 9 the saddle. In practice these elements are primarily provided in any desirable manner, such as by casting, forming, assembling, etc., and the body, as in Figure 2 is provided with seats 10 and 11, as well as

the seats 12 and 13. In a similar manner the head is formed with a seat 14, and the forward legs are formed with seats 15 while the rear legs are formed with seats 16.

5 Thus it will be understood, primarily that all of the elements are properly produced, and the body may be subsequently mounted upon a supporting member. An operator is now free to place his arm into the interior
10 of the body so that by means of any suitable type of tool he may secure the seat 14 of the head 8 to the seat 12 of the body, the retention of the elements in this position being effected by any suitable securing means such
15 as bolts 17. Similarly the legs 6 and 7 may have their seats 15 and 16 brought to bear against the seats 10 of the body 5, and be attached to this position by means of suitable bolts. It will be appreciated that the figure
20 is now practically completed, and it is only necessary in the embodiment illustrated for the operator to attach the tail 18 to the body and to subsequently close the opening through which he has been working by applying the saddle 9 to the seat 13 it being
25 noted in this connection that I preferably secure the saddle in position by associating a lug 19 with the same, which lug hooks below the seat 13 and serves to firmly retain the
30 saddle in position when the bolt 20 is applied.

It will further be seen reference being had to Figure 4 that I have shown a figure of a horse in standing position, and assuming, as
35 was brought out in the objects of this invention, that an operator finds it desirable to alter the appearance of the same to simulate the appearance of a galloping horse, it will be understood that this may readily be
40 accomplished by simply detaching the saddle 9, thus enabling an operator to detach the head and limbs, subsequent to which the head and limbs shown in Figure 3 may be substituted.

45 Also it will be obvious that in the event

of breakage it will not be necessary to replace the entire figure, as one part of the same may readily be detached and replaced with a new figure, although the danger of breakage will be reduced to a minimum, in that I preferably form this figure
50 of metal.

Thus it will be appreciated that the interchangeability of the parts of the figure are to be predicated to the fact that each
55 seat of the body is of a certain uniform size, all heads, similar limbs, saddles, etc., having their seats a corresponding size, thus enabling the elements to be readily interchanged and assembled into a unitary whole
60 to produce the finished result desired.

Thus all of the objects set forth are accomplished and it will be understood that this invention is applicable to any type of
65 figure, and that numerous modifications of structure might readily be resorted to without in the least departing from the spirit of my invention, which I claim as:

A figure including a body portion having an opening in the top thereof, a second opening
70 in the forward end thereof and a plurality of openings in the bottom thereof, seats surrounding said second and plurality of openings, a head section having a seat engaging said second opening, leg sections
75 each having a seat engageable with a seat of one of said plurality of openings, a plurality of fastening means detachably engageable with the various abutting seats to secure said head and leg sections to said body
80 portion, the first named opening in the top of said body portion forming a means of ingress to the interior of the body portion and being so located with respect to the remaining openings in said body portion as to permit of
85 the fastening means being attached to said seats from the interior of said body portion, and a saddle detachably mounted in said first named opening.

WILLIAM FREDERICK MANGELS.