April 14, 1942. E. P. WALLIS 2,279,603

MANUAL MECHANICAL IMAGE

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FIG. 1

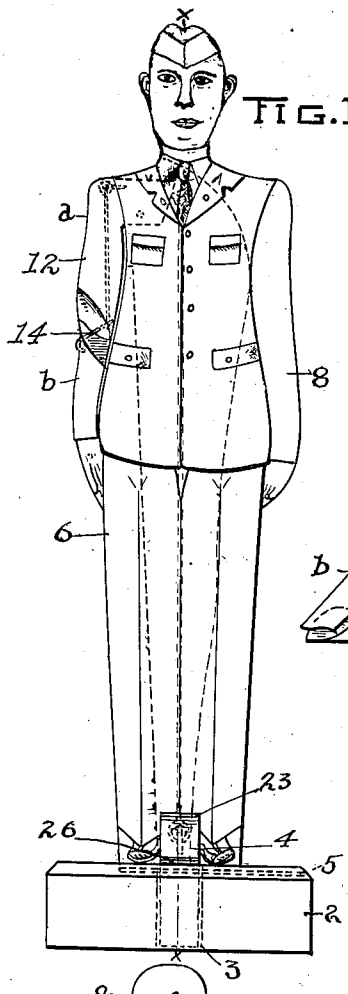


FIG. 2

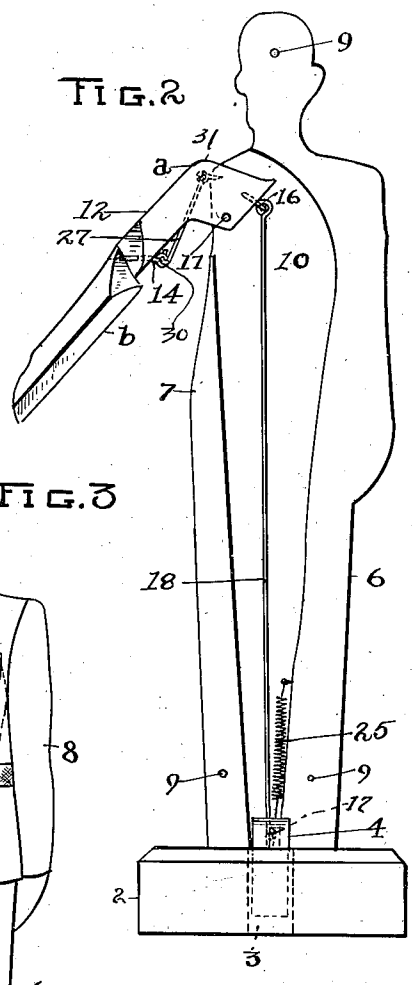


FIG. 3

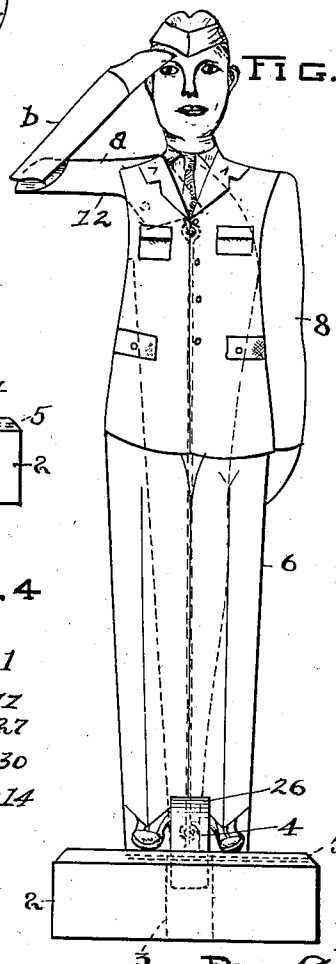
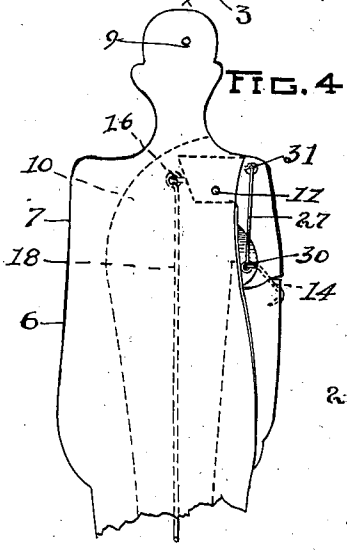


FIG. 4



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MANUAL MECHANICAL IMAGE

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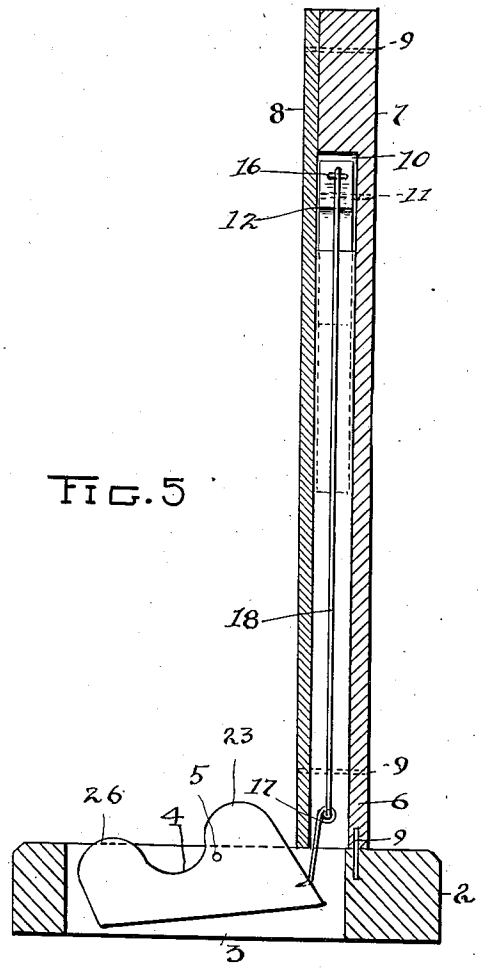


FIG. 5

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MANUAL MECHANICAL IMAGE

Enloe P. Wallis, St. Petersburg, Fla.

Application April 30, 1941, Serial No. 391,172

2 Claims. (Cl. 46—119)

This invention is concerned with the provision of a manual mechanical image by means of which said image may be changed from a normal attention position to that of salute.

Broadly it is an object of my invention to provide a manual mechanical image which consists generally of an image mounted upon a base and having a movable arm composed of two members so related or joined that an eccentrically articulated motion is produced as the arm is raised from normal to salute position.

This invention resides substantially in the combination, construction, arrangement and relative location of parts, all in accordance with the disclosure herein.

In the accompanying drawings—

Fig. 1 is a front elevation of my image in attention position.

Fig. 2 is a similar view thereof with face plate removed and arm partially raised.

Fig. 3 is a front elevational view thereof with arm in salute position.

Fig. 4 is a rear elevational view of the upper portion of my invention.

Fig. 5 is a sectional view of my invention on the line *x*—*x* Fig. 1.

The true nature and manner of use of a device in accordance with this invention will be best understood by a detailed description of the form thereof shown in the drawings in an illustrative sense.

The device includes a base 2 which is preferably as shown, of elongated formation and having a central elongated opening 3 therein for a trigger member 4 which is pivotally associated with said base as at 5 and operative within said opening. Fixedly mounted upon and at right angles to said base member 2 is the image member of my invention 6. Said image is composed of a body member 7 and facing plate 8 which are assembled together by pins 9 or by glue, nails, screws, or in other suitable manner. Said body member 7 from its base to the neck and thence to the outer edge of one side of said body is recessed as at 10.

Flush with the face of the body portion 7 and in pivotal engagement therewith at 11, within said outwardly extended recessed portion is an arm member 12 composed of upper and lower arm members *a* and *b* respectively, pivotally joined by link member 14, which is fixedly engaged with arm portion *b*, therefrom loosely extended angularly through arm portion *a* and thence hinged at 30 to a swivel link 27, opposite end of said swivel link being hinged to the body member 7 at 31.

Engaged with the angular flat end 15 of the shoulder portion of the upper arm *a* is an eye screw 16 and engaged with the inner end of trigger 4 is a eye screw 17, in hinged engagement with and connecting said eyes is a link member 18.

In the use of my invention, to raise the arm to salute posture, the trigger 4 is pressed manually at 23 causing link member 18 to be diverted in a downward direction and the arm portion *a* is raised laterally as to said image. This movement of the arm simultaneously twists the swivel link 27 thereby rotating the link member 14 and the arm portion *b* fixedly engaged therewith. The abutting faces of said arm members being curvilineal, by virtue of caused twisting motion the rolling friction at their abutting faces allows to be produced an eccentric articulated mechanical action which resembles the movement of the human arm during the act of saluting.

In the drawings I have shown a spring 25 which is arranged that when pressure is released at 23 the arm is returned to normal or attention posture. It may be that my novel invention would be preferred without the spring to permit the image to be retained in either posture, therefore, in designing the trigger 4 a pressure surface 26 is provided, pressure upon which substitutes the action of the spring 25.

From the above description it will be apparent to those skilled in the art that the details of construction illustrated herein may readily be varied without departure from the novel subject matter herein disclosed. I do not therefore, desire to be strictly limited by the disclosure but rather by the claims granted me.

What is claimed is:

1. In a device of the character described, comprising a body member, a movable arm including an upper arm connected to said body for lateral swinging movement thereof, a lower arm pivoted with the upper arm, actuating means therefor embodying a link connection between said body and the upper and lower arm pivoting member, whereby as the upper arm is laterally raised and lowered the lower arm is simultaneously subjected to a twisting action moving same to and from a salute posture as to the image, and operative means connected to said actuating means.

2. In a device of the character described, comprising a body member, a movable arm including an upper arm connected to said body for lateral swinging movement thereof, a lower arm pivoted

with the upper arm, said upper and lower arms having abutting curvilineal face to allow to be produced an eccentric articulated mechanical action resembling the movement of the human arm during the act of saluting, actuating means whereby the upper arm is swung to and from a lateral position as to said body and the lower arm is simultaneously subjected to a twisting action upon its abutting face with the upper arm moving same to and from a salute posture, respectively, as to said image, and operative means connected to said actuating means.

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