

(No Model.)

H. V. ASHBY.  
SCARF PIN.

No. 556,080.

Patented Mar. 10, 1896.

Fig. 1.

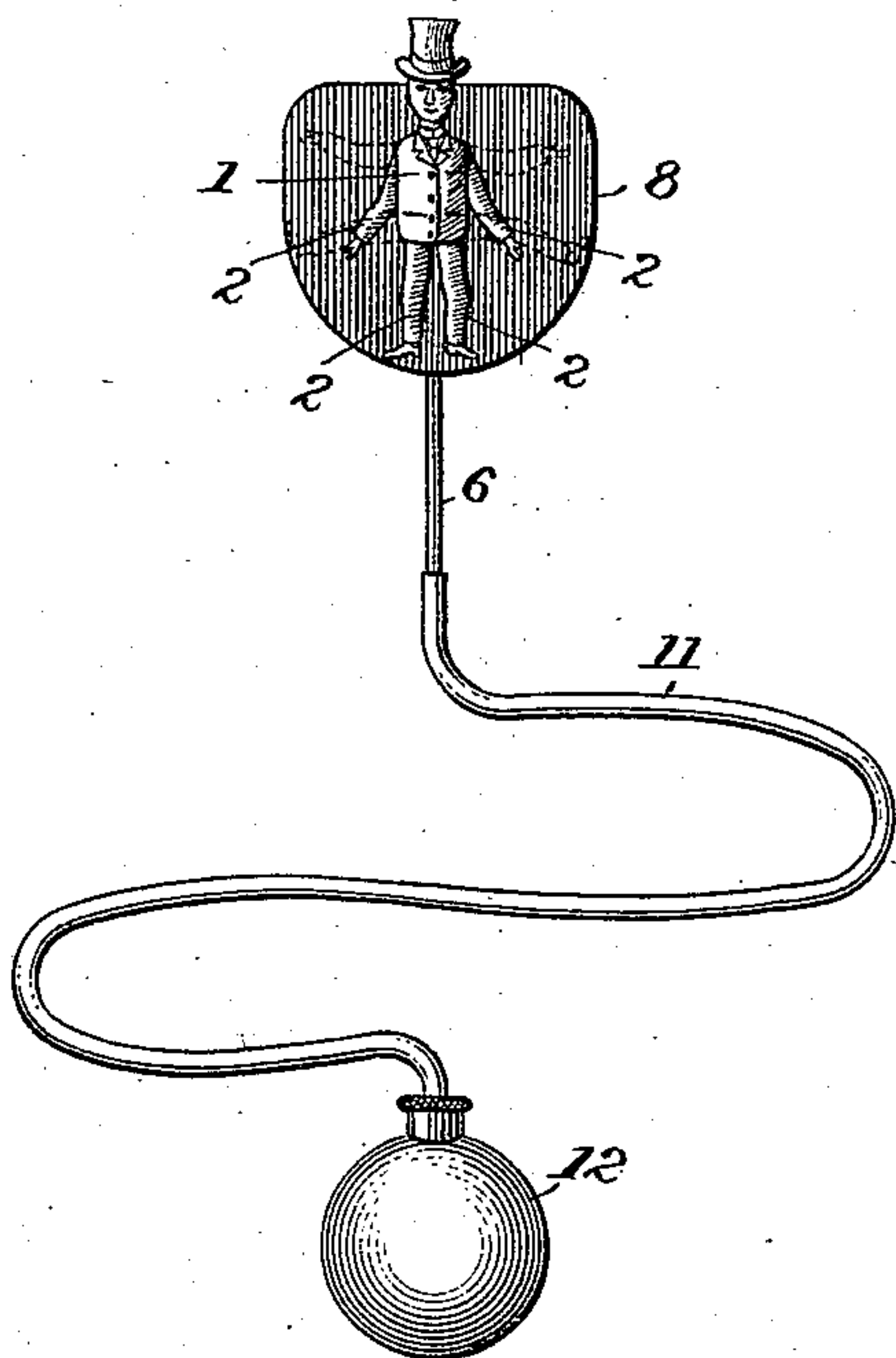


Fig. 2.

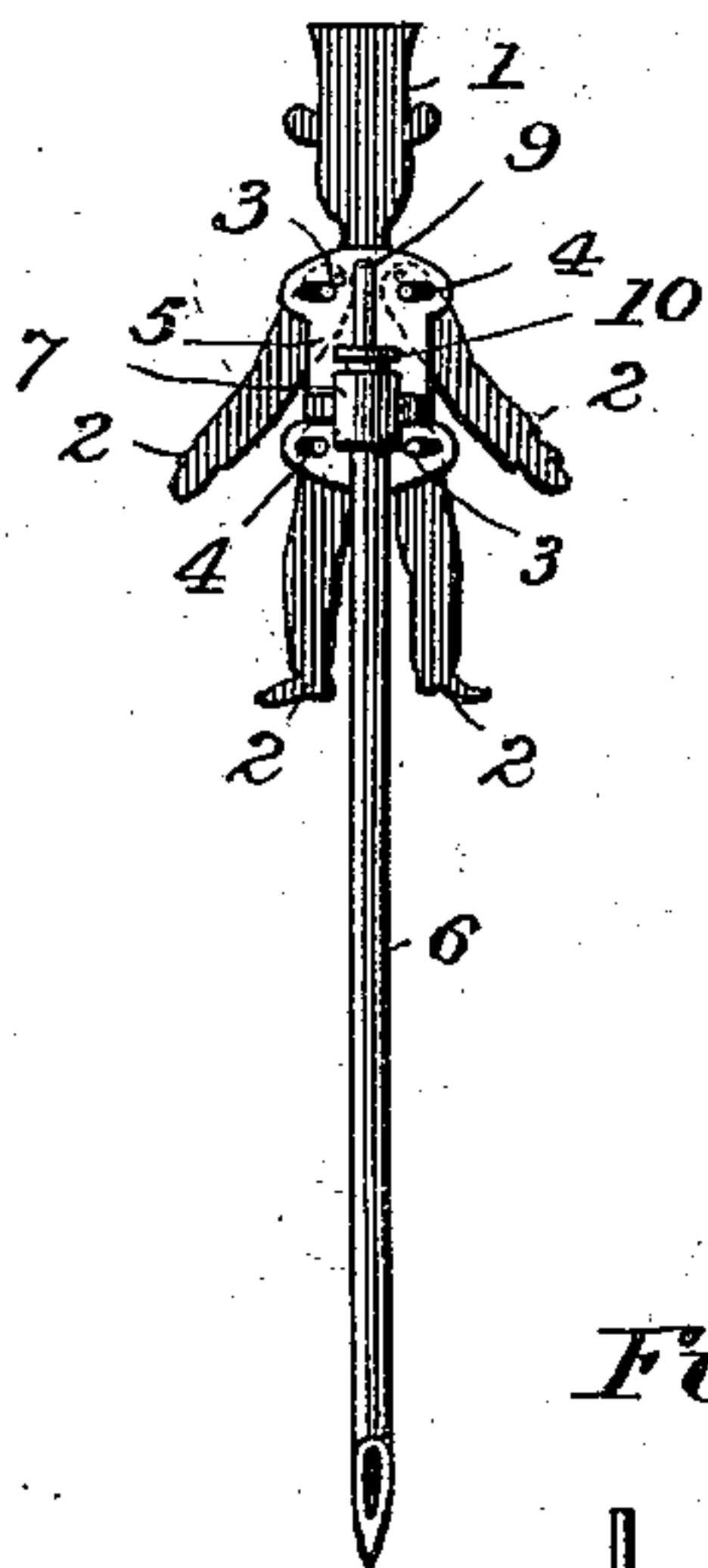


Fig. 3.

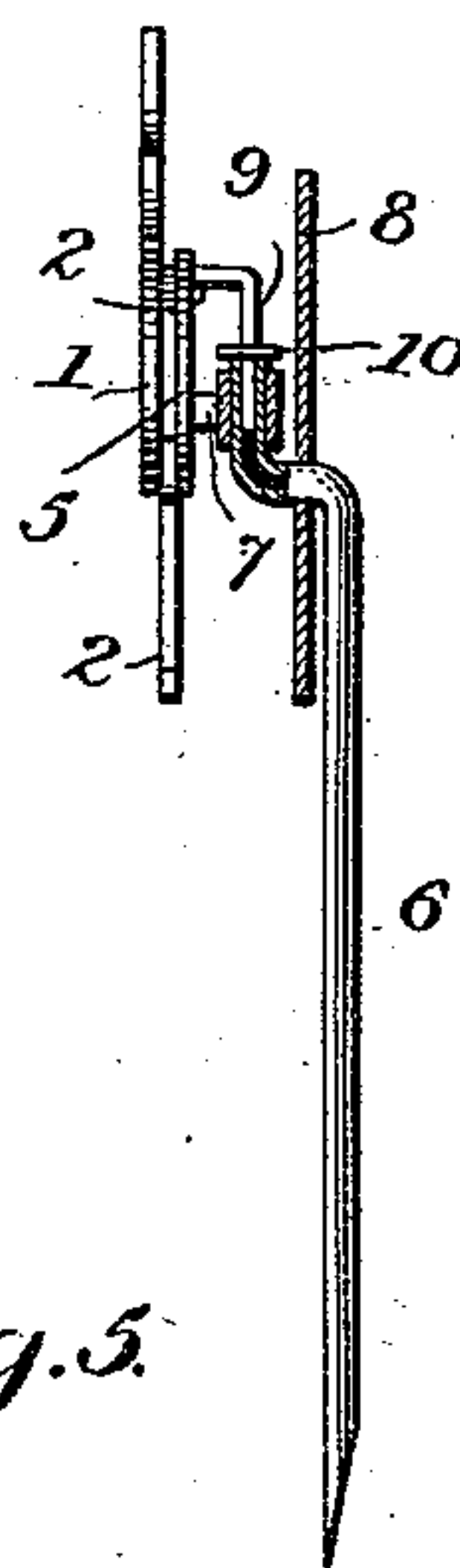


Fig. 4.

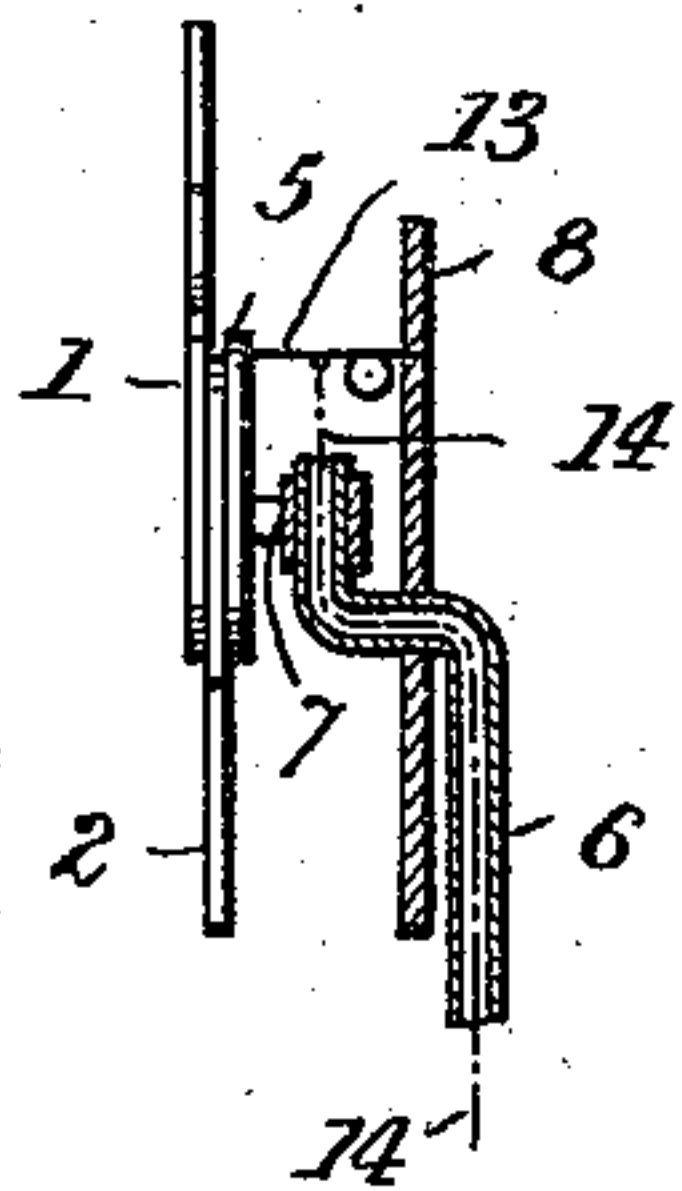


Fig. 5.

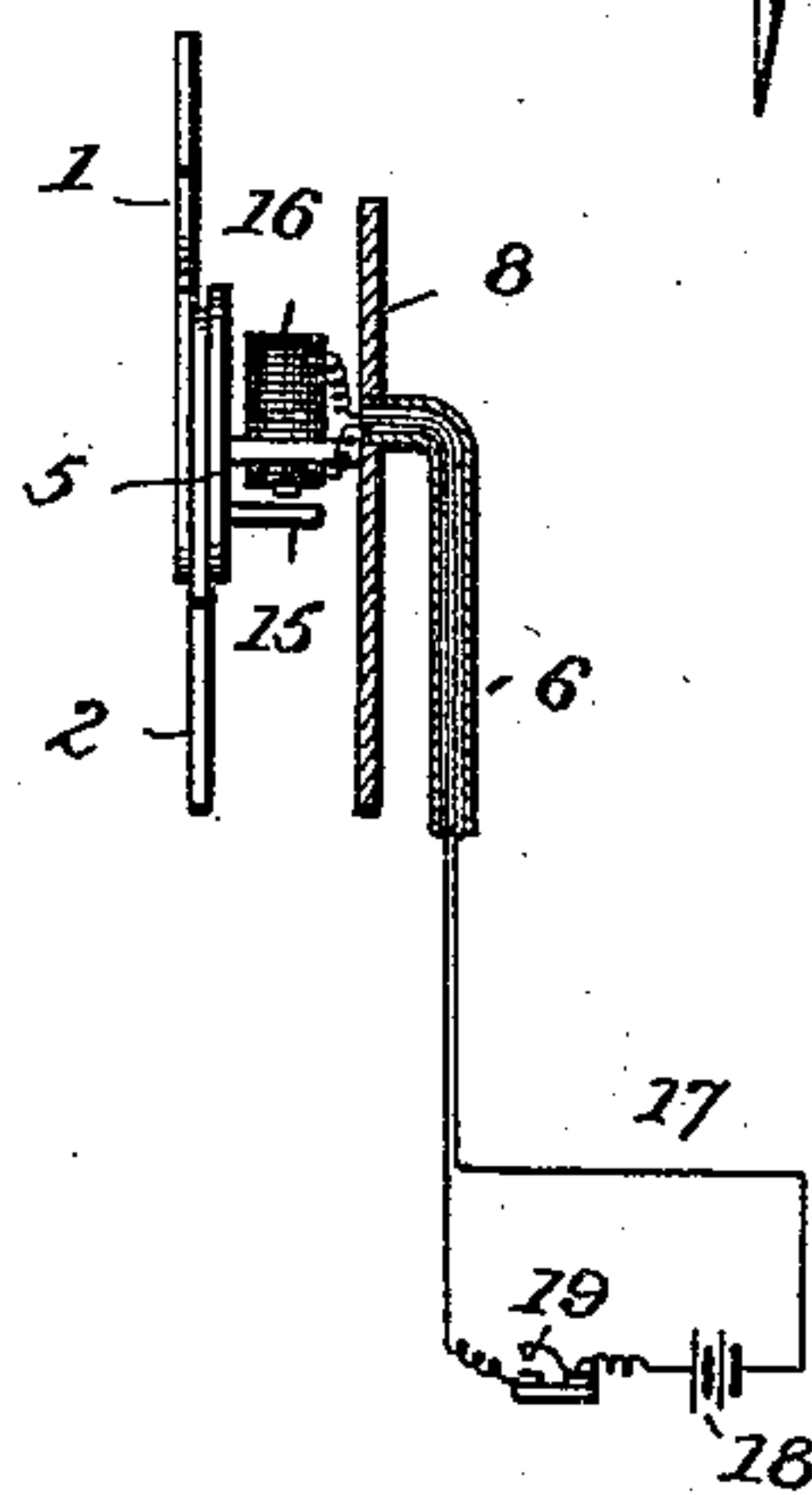


Fig. 6.

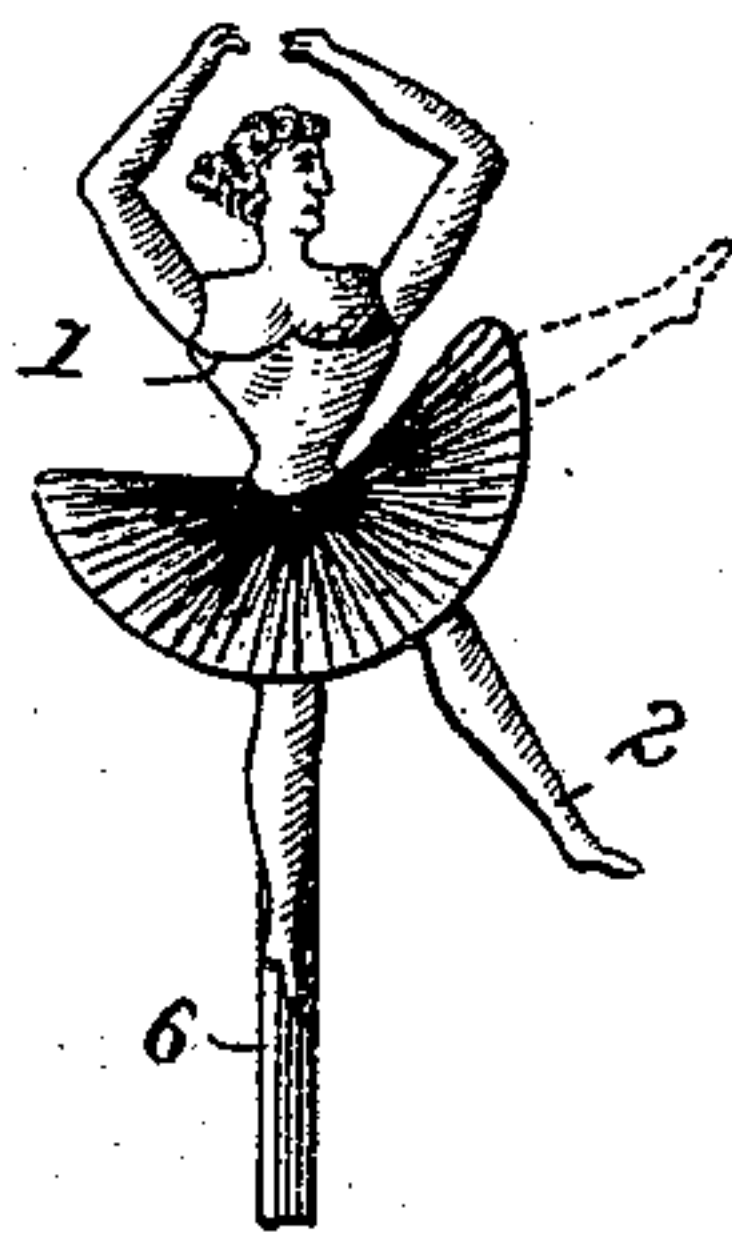
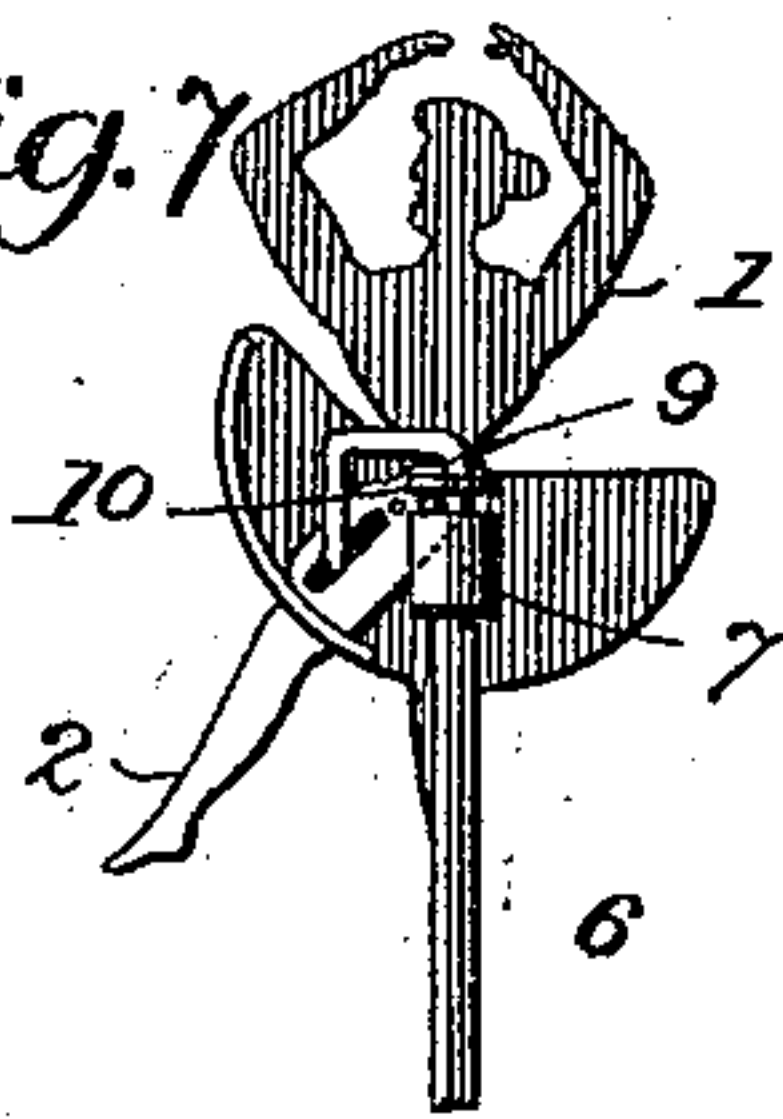


Fig. 7.



Witnesses  
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# UNITED STATES PATENT OFFICE.

HARRY VINCENT ASHBY, OF ERIE, PENNSYLVANIA.

## SCARF-PIN.

SPECIFICATION forming part of Letters Patent No. 556,080, dated March 10, 1896.

Application filed May 8, 1895. Serial No. 548,577. (No model.)

*To all whom it may concern:*

Be it known that I, HARRY VINCENT ASHBY, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented certain new and useful Improvements in Scarf-Pins, of which the following is a specification.

My invention consists in a novel scarf-pin having as its leading features a figure with limbs or members and means for imparting motion to the movable members through a hidden connection with some source of power while the pin is in the necktie or scarf. The figure may be a representation of an animal or human being, or it may be of some fanciful design or some mechanical device. The movement of the figure is preferably effected by means of a small reciprocating motor connected to the movable members. In one form of the invention a piston or plunger is used which is reciprocated by means of an air supply conveyed through the pin, which fastens the device to the scarf. In another form the movement may be supplied electrically, and in a third form the desired movement may be imparted by means of a thread for drawing the members in one direction, a spring being arranged to move them in the other direction.

I shall now proceed to describe the invention in detail, reference being had to the accompanying drawings, in which—

Figure 1 is a front view of a pin, showing one form of the invention. Fig. 2 is an enlarged rear view of the form shown in Fig. 1, the guard being removed. Fig. 3 is a sectional side view of the forms shown in Figs. 1 and 2. Figs. 4 and 5 are views similar to Fig. 3, showing other forms of the invention; and Figs. 6 and 7 are front and rear views, respectively, showing still another form of the invention.

Referring to Figs. 1 to 5, inclusive, 1 indicates a body-piece, and 2 movable members, which are connected to the body-piece in the rear in such a manner that they may swing outward, downward, or upward when power is applied to them. As shown, the parts 2 are the arms and legs of a figure, and they are pivotally connected to the body-piece. The members 2 are provided with rearwardly-projecting pins 3, which engage with slots 4 in a plate 5, the object of the plate being to im-

part simultaneous movement to all of the moving members 2.

The body-piece 1 is supported from the pin proper, 6, by means of a bracket 7. In the rear of the figure there is a guard-plate 8 of sufficient extent to prevent the scarf or tie from interfering with the movements of the members of the figure. This guard-plate is preferably attached to the upper end of the pin proper by passing the pin through a perforation in the guard and then soldering or otherwise securely connecting them.

In Figs. 2 and 3 I have shown a plunger 9 connected to the plate 5 and extending into the cylindrical opening in the upper end of the pin proper, the pin being hollow so that air-pressure may be transmitted through it. The plunger is provided with a collar 10 which limits its downward movement and also forms a surface for the air to play upon if there is any leakage around the plunger, in which case the collar aids in lifting and operating the figure.

After the pin is inserted through the scarf or tie a tube 11 is connected to the lower end of the pin and the air in the pin and tube is alternately compressed and rarefied by means of a bulb 12, which may be carried in the pocket. When the bulb is compressed, the air-pressure forces up the plunger 9 and causes the members 2 of the figure to be thrown up. When the pressure is released, the plunger is drawn downward and the members drop, being aided also by gravity.

In Fig. 4 the construction is the same as in Figs. 2 and 3, excepting that instead of the air-motor a spring-motor is used. A small spring 13 presses the plate 5 normally upward, and to move the limbs a thread 14 is attached to the spring or to the movable plate 5 to draw said plate down.

In Fig. 5 the plate 5 is provided with an armature 15, and it is drawn up to move the limbs by means of an electromagnet 16 operated by a circuit 17, battery 18 and push-button 19, the battery and push-button being suitable to carry in the pocket.

Figs. 6 and 7 show a figure having one movable member 2, which is pivoted to the body-piece 1 and which may be thrown up at will by air-pressure applied to the plunger 9, as described above.



The operation of my invention has been set forth in connection with the description.

The invention is susceptible of many changes and modifications in its details, and therefore I do not desire to limit myself to the precise construction and arrangement of parts illustrated and described in the above specification.

What I claim, and desire to secure by Letters Patent, is—

1. In a scarf-pin, the combination with the body-piece fixedly supported upon the pin proper, a movable member or members pivotally connected to the rear of the body-piece, a reciprocating motor supported upon the pin and connected with the movable member or members, and a guard-plate located in front of the pin proper and in the rear of said motor and movable members, whereby said members are prevented from engaging with the scarf, substantially as described.

2. In a scarf-pin, the combination with the pin proper having a passage therethrough, of the body-piece fixedly connected to said pin, members movably connected to the rear of the body-piece, a plunger adapted to reciprocate in the upper end of the pin-opening, connections between said plunger and the movable members, and means for increasing and decreasing the air-pressure under the plunger whereby the movable members may be operated, substantially as described.

3. In a scarf-pin, the combination with the pin proper having an opening therethrough and constituting an air-tube, of the body-piece fixedly supported upon the pin, members movably connected to the rear of the body-piece, a plunger 9 adapted to slide in the tubular opening of the pin and having a collar 10 arranged to rest normally upon the upper end of the pin, connections between said plunger and the movable members, and means for varying the air-pressure in the pin whereby the plunger may be reciprocated, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY VINCENT ASHBY.

Witnesses:

TOM T. SPENCER,  
W. D. MURPHY.