

(No Model.)

H. WOLKE.  
FIGURE TOY.

No. 464,746.

Patented Dec. 8, 1891.

FIG. 1.



FIG. 2.

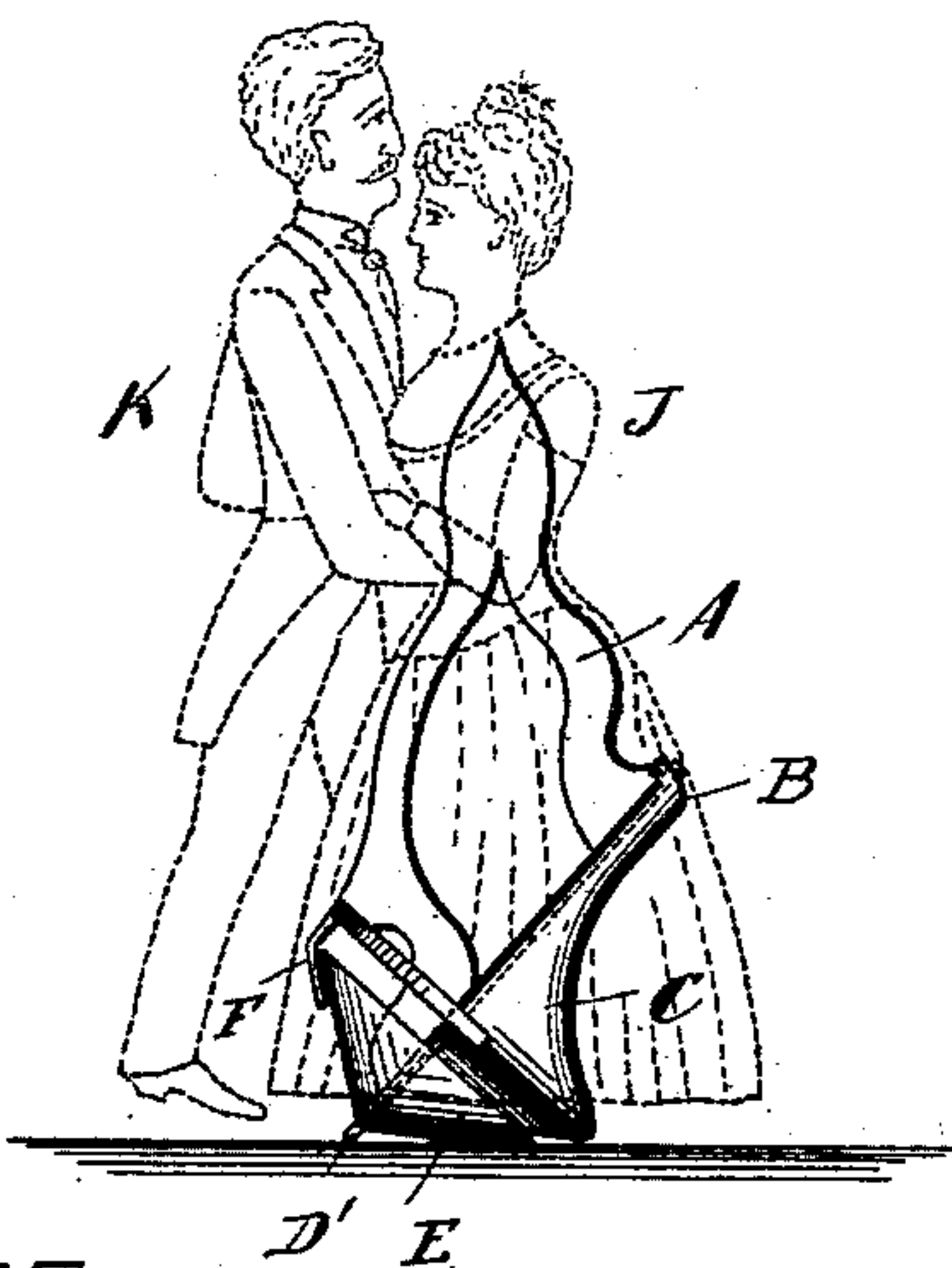


FIG. 3.

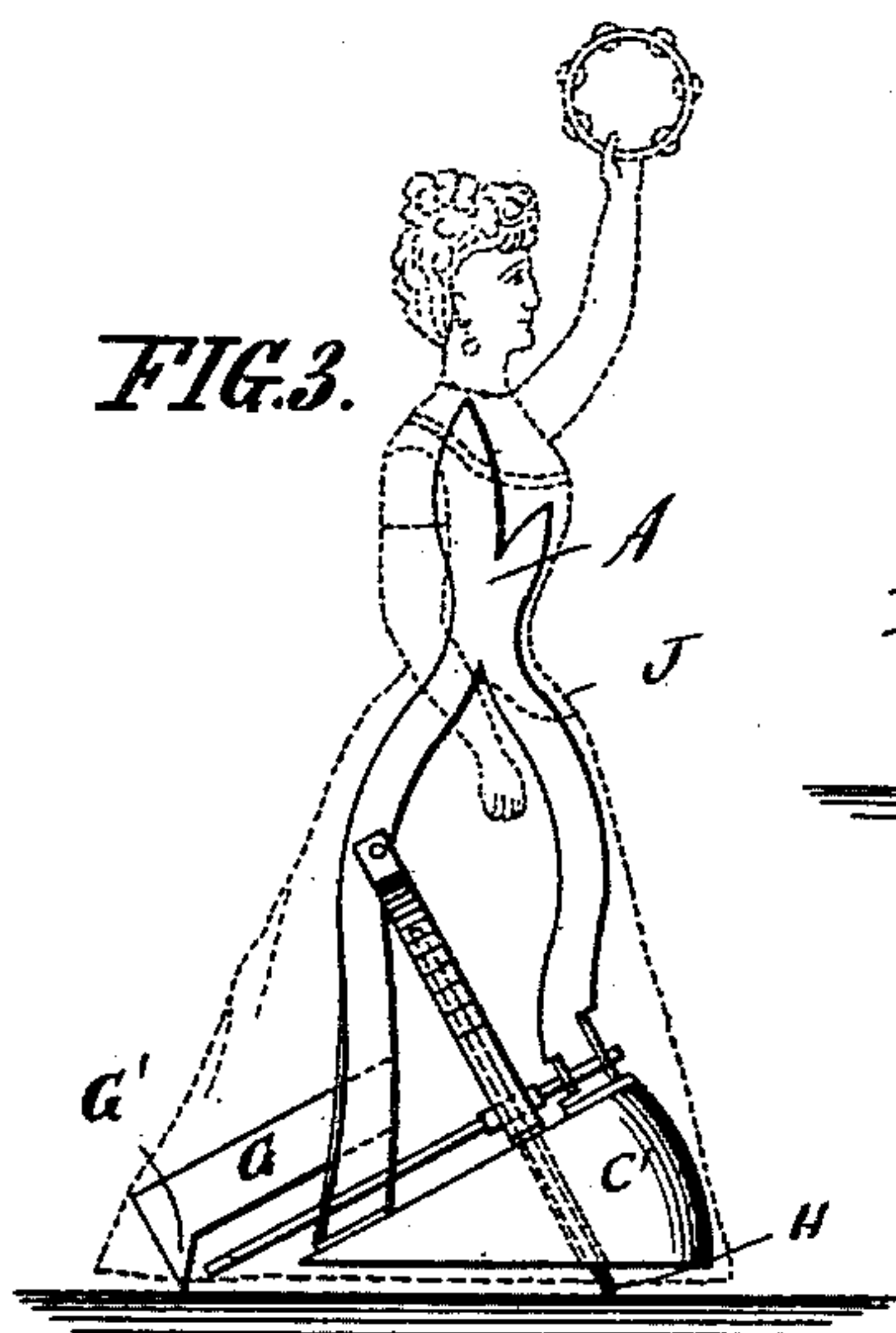


FIG. 5.

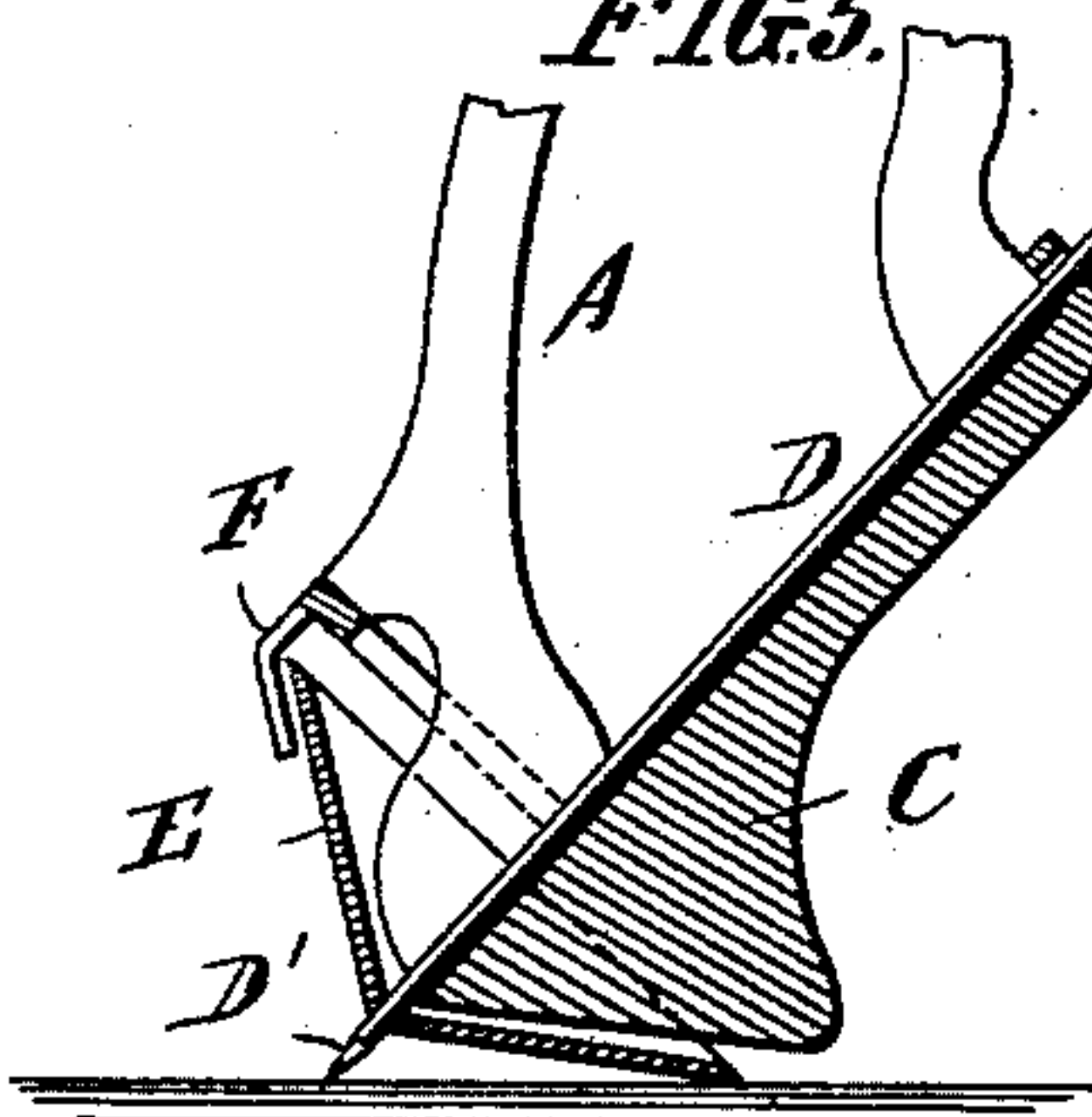


FIG. 4.

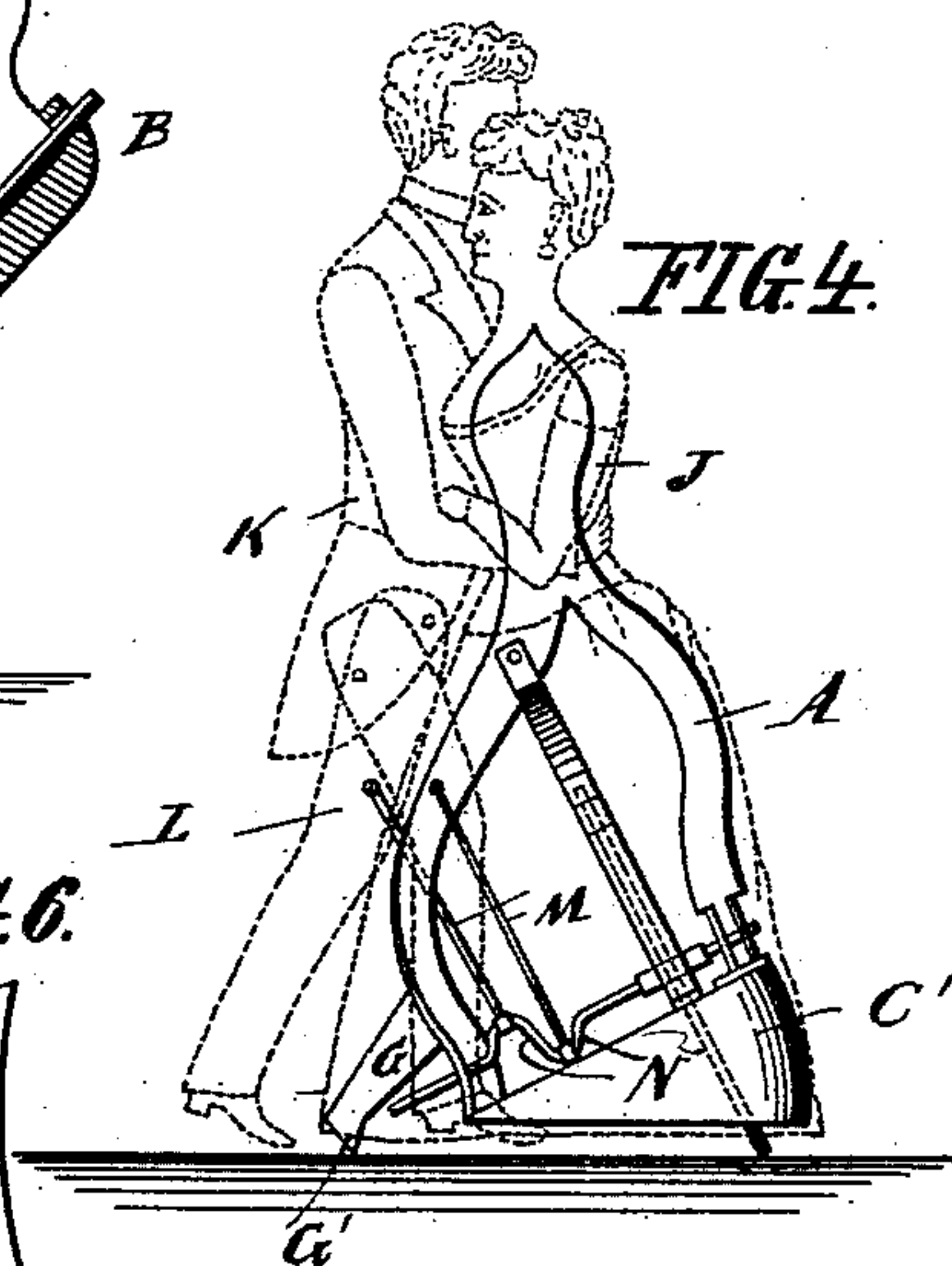
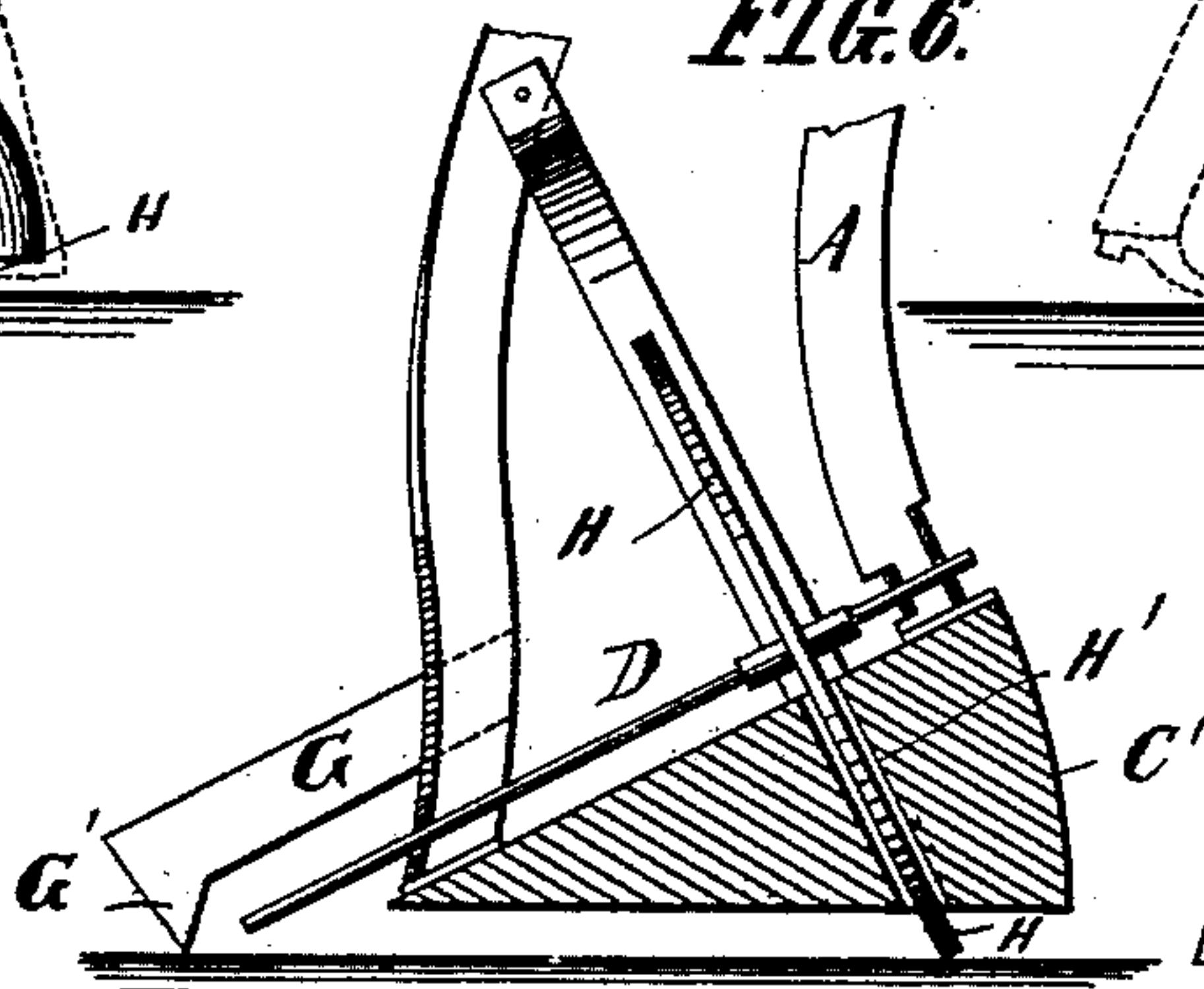


FIG. 6.



WITNESSES:  
Marion Hall  
Charles Bles.

INVENTOR  
H. Wolke.

BY *Joseph R. Rogers*  
ATTORNEYS



# UNITED STATES PATENT OFFICE.

HERMANN WOLKE, OF ORANGE, NEW JERSEY.

## FIGURE TOY.

SPECIFICATION forming part of Letters Patent No. 464,746, dated December 8, 1891.

Application filed August 15, 1891. Serial No. 402,696. (No model.)

*To all whom it may concern:*

Be it known that I, HERMANN WOLKE, a citizen of the United States, residing at Orange, in the county of Essex, in the State of New Jersey, have invented certain new and useful Improvements in Toy Figures, of which the following is a specification.

This invention relates to improvements in toy figures; and the object of my invention is to provide a toy figure which, when placed upon a smooth and flat surface that is slightly inclined or rotated, begins to revolve and describe circles, cycloids, epicycloids, and similar figures in imitations of dancing persons.

In the accompanying drawings, Figure 1 is a side view of my improved dancing figure. Fig. 2 is a similar view showing the figures in dotted lines and the mechanism in full lines. Fig. 3 is a similar view showing a modified construction. Fig. 4 is a similar view showing a further modification. Fig. 5 is an enlarged detail vertical sectional view of the operating mechanism of Fig. 2, and Fig. 6 is a similar view of the operating mechanism of Fig. 3.

Similar letters of reference indicate corresponding parts.

A metal frame A is provided at its lower end with an inclined bar B, provided at its lower end with a weighted portion C. A spindle D is mounted in a groove in the upper edge of said bar B and suitably journaled to adapt it to rotate in said groove. The lower end of the spindle D terminates in a point D' a short distance below the lower end of the weighted part of the bar B. Adjacent to said point a cone-shaped hollow wheel E is mounted at its apex on the spindle D. A prong F, projecting from the frame, extends over the edge of the cone-shaped wheel E for the purpose of holding the same in place. In place of making the point at the end of the spindle the same may be cut off square, as shown in Fig. 6, and the frame A provided with an arm G, terminating in a spur or point G', as shown in Fig. 6. In that case, in place of a cone-shaped wheel E, a disk H is used, which passes through a slot H' in the base C' of the frame. A suitable figure of a female is

placed and secured upon the frame A, which female figure is dressed in conventional style, and a figure K of a male, also dressed in the conventional style, is attached to and supported by the female figure J. Said figures may be made in any suitable manner, or may be cut of card-board. If desired, the legs L of the male figure K may be pivoted to the body, as shown in dotted lines in Fig. 4, and said pivoted legs are connected by connecting-rods M with the two cranks N of the spindle D, so that when the spindle D rotates the legs L will be caused to swing on their pivots, thus giving the figure the appearance of moving its legs while dancing.

When the figures are placed upon a suitable support, the rim of the wheel E or of the disk H rests on the same and the point D' of the spindle or the spur G' of the projection G also rests upon said support. If now said support is rocked gently, the wheel E or disk H will describe circles around the point on the end of the spindle D or around the spur G'. At the same time said point or spur will also slide over the surface, thus causing the figures to describe circles or cycloids or epicycloids and other geometrical and fanciful lines. The figures when making these movements have the appearance of dancing, and the said movements appear very natural.

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

1. The combination, with a figure having a weighted lower portion, of a point or spur at the lowest point of said figure, a spindle or shaft in the base of the figure, and a disk or wheel fixed on said spindle, substantially as set forth.

2. The combination, with a figure having a weighted base, of a point or spur on said weighted base adapted to form a point of contact with the surface on which the figure rests, an inclined spindle in said base, and a disk or wheel mounted on said spindle and adapted to run upon the surface upon which said point rests, substantially as set forth.

3. The combination, with a figure having a weighted base, of a spindle on said base, a

disk or wheel fixed on said spindle and adapted to run upon the surface upon which the figure is placed, an additional figure supported by the first-mentioned figure, and  
5 cranks and connecting-rods for operating the pivoted legs of the second figure, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

HERMANN WOLKE.

Witnesses:

CHARLES SCHROEDER,  
CHAS. BLES.