

(No Model.)

G. F. LUTTICKE.

MECHANISM FOR OPERATING DANCING, ACROBATIC, AND OTHER
TOY FIGURES.

No. 410,907.

Patented Sept. 10, 1889.

Fig. 1

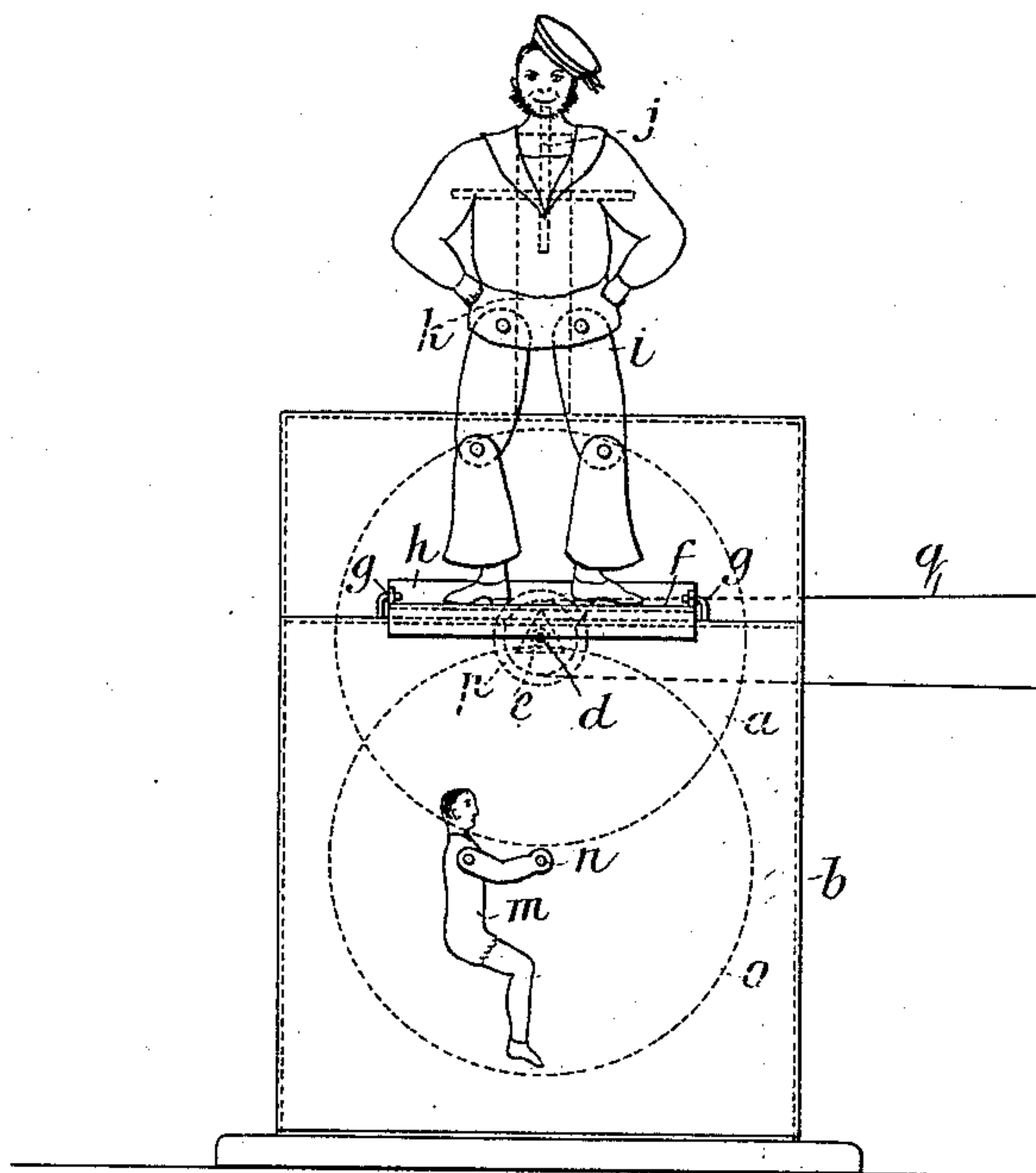


Fig. 2

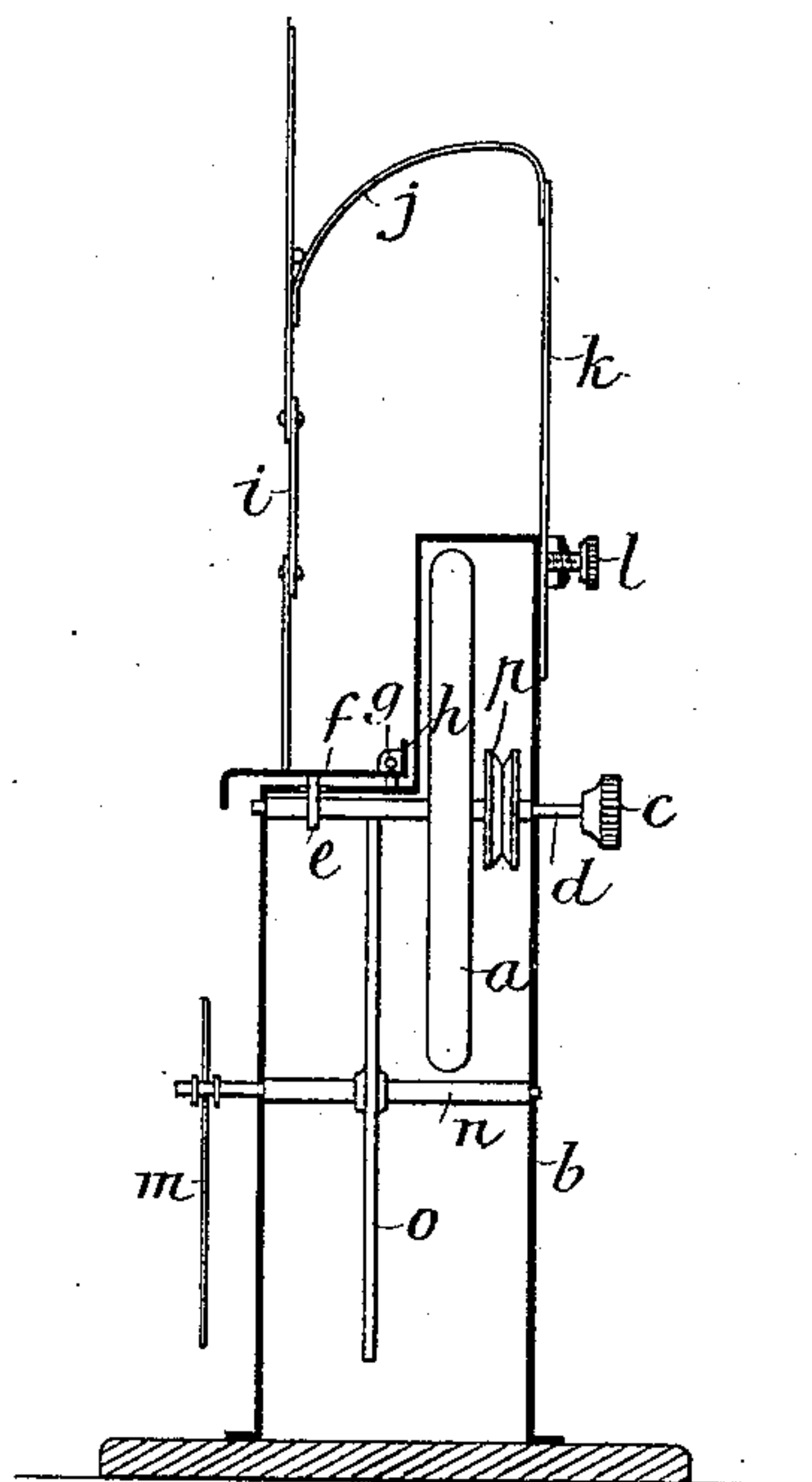
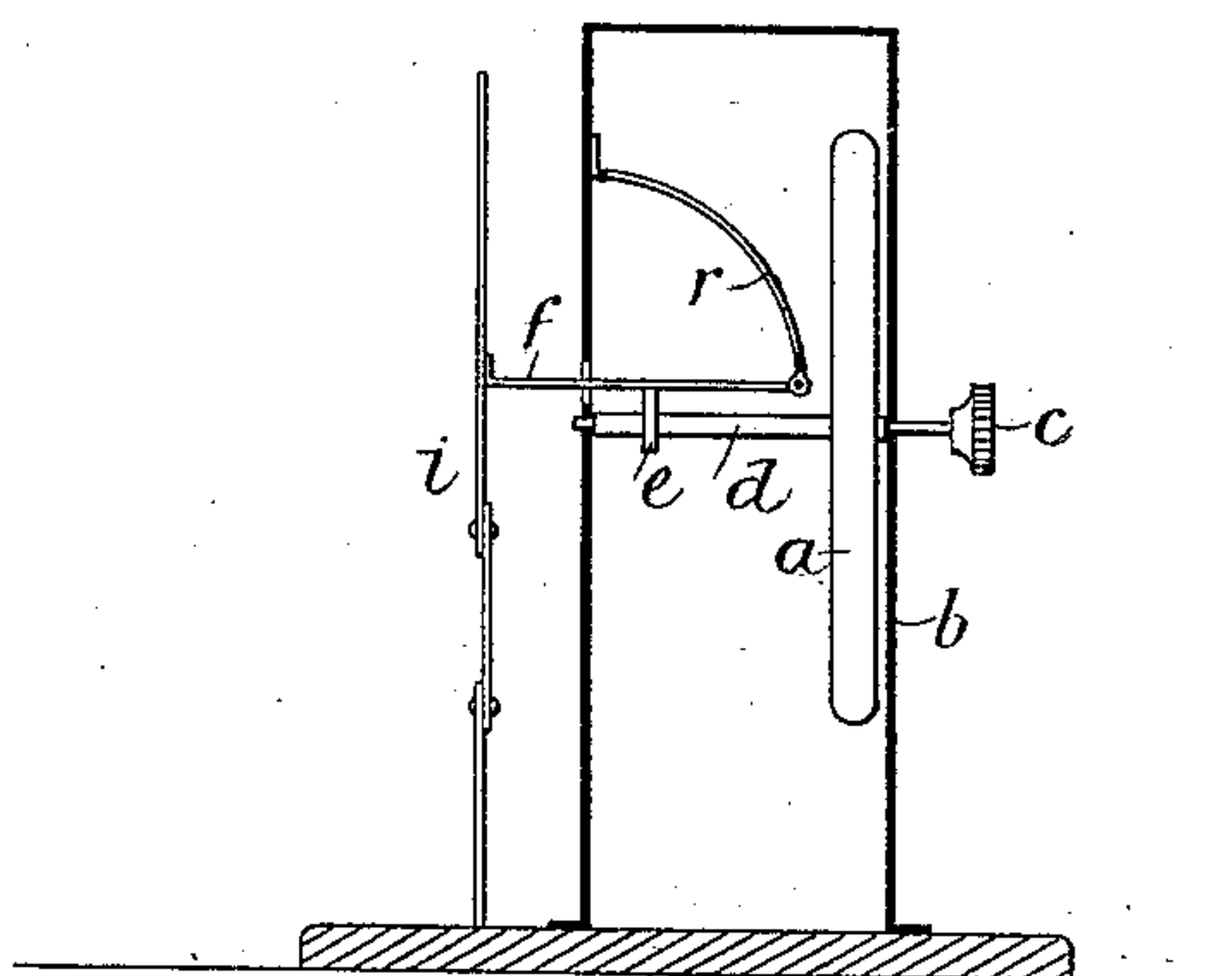


Fig. 3



Witnesses:
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GEORGE FREDERICK LUTTICKE, OF LONDON, ENGLAND.

MECHANISM FOR OPERATING DANCING, ACROBATIC, AND OTHER TOY FIGURES.

SPECIFICATION forming part of Letters Patent No. 410,907, dated September 10, 1889.

Application filed January 17, 1889. Serial No. 296,596. (No model.)

To all whom it may concern:

Be it known that I, GEORGE FREDERICK LUTTICKE, a subject of the Queen of Great Britain, residing at London, England, have
5 invented certain new and useful Improvements in Mechanism for Operating Dancing, Acrobatic, and other Toy Figures, of which the following is a specification.

My invention relates to mechanism for operating dancing, acrobatic, and other toy figures; and it consists, essentially, in a novel application of a fly-wheel or its equivalent for this purpose.

In the accompanying drawings, which form
15 part of this specification, Figure 1 is a front elevation, and Fig. 2 is a vertical transverse section, illustrating the application of a fly-wheel for operating a dancing figure and an acrobat. Fig. 3 is a similar view to Fig. 2,
20 showing a modified arrangement of the parts for operating a dancing figure.

Similar letters in all the figures indicate similar parts.

a is the fly-wheel, of suitable weight, which
25 is mounted in a frame or case *b* and provided with a button *c* for allowing it to be rotated by the finger and thumb; or a string can be used for this purpose, wound upon the spindle *d* of the fly-wheel. On the spindle *d*
30 is mounted a triangular piece *e* for giving a vibrating motion to the platform or plate *f*, hinged at *g* and provided with a stop *h* to limit its upward motion.

i is the dancing figure, attached to a spring
35 *j*, fixed to the upright *k*, adjustably attached to the case *b*, so that its height can be regulated by means of the set-screw *l*. If it be required to also operate an acrobatic or similar figure at a slow rate of speed, I mount the
40 figure *m* upon a spindle *n*, carrying a disk or wheel *o*, (or disks or wheels,) actuated by friction with the spindle *d* of the fly-wheel *a*.

It is obvious that motion can also be com-

municated from the fly-wheel spindle *d* to another figure or figures by means of a grooved
45 wheel *p* and cord *q*, or by other suitable gearing.

The arrangement shown in Fig. 3 is the same as that for operating the dancing figure in Figs. 1 and 2, except that the dancing figure
50 *i* is attached to the vibrating plate *f*, which is hinged to a bracket *r*.

Instead of the triangular piece *e* for giving the vibrating motion to the plate *j*, it will be obvious that a pin or pins or an eccentric
55 plate fixed to the spindle *d* could be employed for this purpose.

A crank or its equivalent can be placed on the spindle *n* to raise or actuate a figure or portions of a figure or figures by means of a
60 rod or rods connected thereto.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—
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1. A mechanical toy having, in combination, the following elements, namely: a shaft carrying thereon both a fly-wheel and a cam-piece adapted to impart an intermittent action to a plate or platform, a plate resting on such piece
70 and vibrated by it, and a dancing figure upheld by means of a spring and operated by the cam-piece acting on said plate, all substantially as set forth.

2. The combination, in a mechanical toy, of
75 a shaft carrying a fly-wheel, a triangular piece or its described equivalent on said shaft, a hinged platform vibrated by such piece, an adjustable spring-support, and a dancing figure suspended on such spring above said plat-
80 form, all substantially as set forth.

GEORGE FREDERICK LUTTICKE.

Witnesses:

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A. ALBUTT.