A. E. WOOLNOUGH.

TOY.

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Fig. 1.

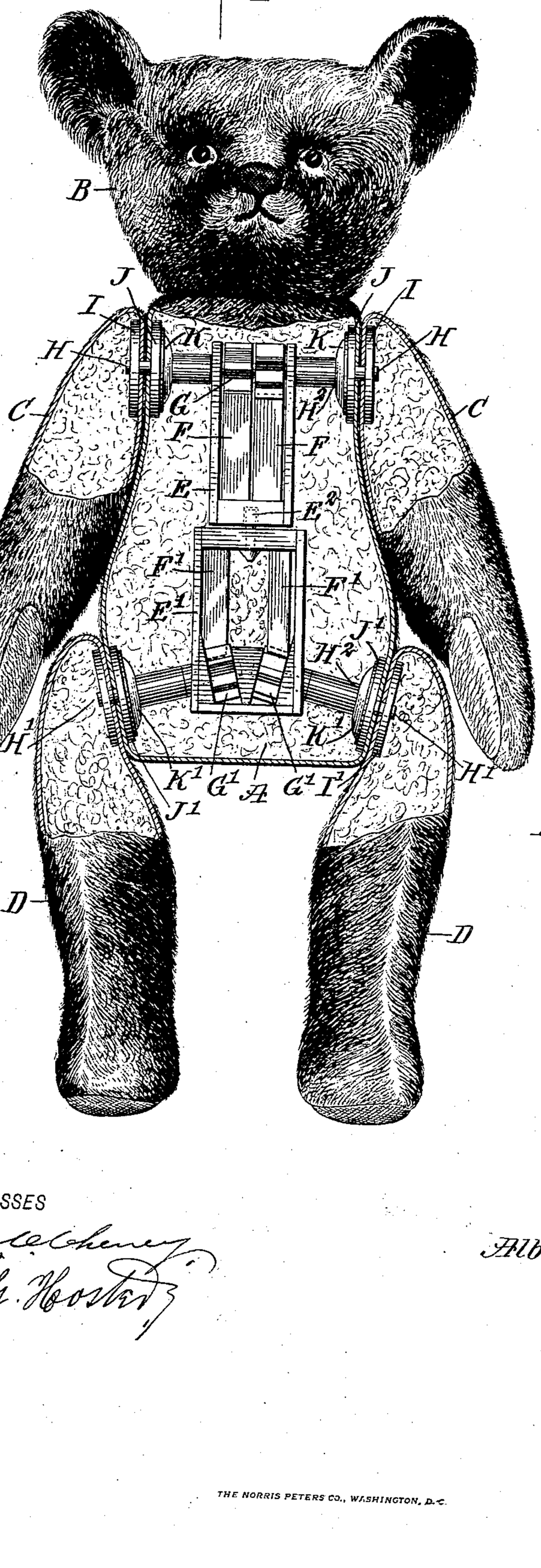
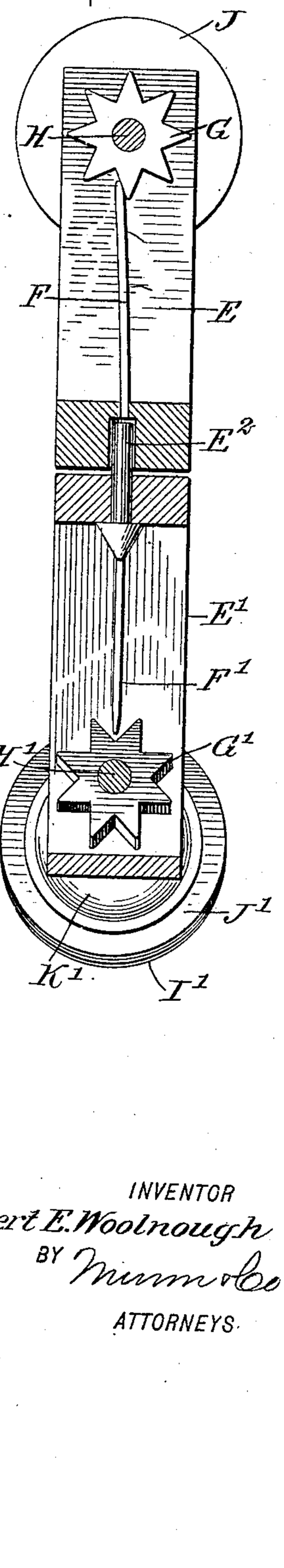


Fig. 2.



WITNESSES

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TOY.

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To all whom it may concern:

Be it known that I, ALBERT EARNEST WOOLNOUGH, a citizen of the United States, and a resident of the city of New York, Richmond Hill, borough of Queens, in the county of Queens and State of New York, have invented a new and Improved Toy, of which the following is a full, clear, and exact description.

The invention relates to bears, dolls and similar figure toys, having movable members such as legs or arms, and its object is to provide a new and improved toy, arranged to allow of turning any one of the movable members independent of the others, and to hold the movable members firmly in any adjusted position, and to produce sounds within the body of the toy on turning any one of the movable members.

The invention consists of novel features and parts and combinations of the same, which will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in both views.

Figure 1 is a front elevation of the improvement as applied to a bear, part of the body being shown broken out, and Fig. 2 is an enlarged cross section of the sounding and friction devices.

The improved toy as illustrated in Fig. 1 is in the form of a bear having a stuffed body A, a head B, fore legs C, C and hind legs D, D. Within the body A is arranged a frame made in two parts E and E′, connected with each other by a swivel E^2, the axis of which extends in the direction of the length of the body A, so that the frame parts E and E′ can readily move with the corresponding forward or rearward portion of the body A, in case such portions are slightly twisted one relative to the other when the toy is used and handled. In the frame parts E and E′ are secured springs F and F′, made of flat pieces of wood and engaging with their free ends star wheels G, G′ secured on shafts H, H′ journaled in the frame parts E and E′, respectively, the shafts H, H extending with their outer ends through the sides of the body A into the fore legs C, C, while the shafts H′ extend through the sides of the body A into the hind legs D, D.

On the shafts H, H and within the fore legs C are secured friction disks I, operating in conjunction with friction disks J mounted loosely on the shafts H and arranged within the body A adjacent to the sides thereof and directly opposite the friction disks I. Similar friction disks I′ are secured on the shafts H′ within the hind legs D, and friction disks J′ loose on the shafts H′ are arranged within the body A opposite the friction disks I′. Springs K, K′ press the friction disks J and J′ in an outward direction against the disks I and I′, so as to hold the legs C and D in any desired position in which they may be turned by the user of the toy. The springs K and K′ are preferably formed of metallic concave disks held loosely on the shafts H, H′ and abutting against shoulders H^2 thereon, as indicated in Fig. 1. Now when any one of the legs C or D is turned, the corresponding shaft H or H′ turns with it, and in doing so, the corresponding star wheel G or G′ is rotated, whereby the springs F and F′ in snapping from one tooth of a star wheel to another produce sounds within the body A but clearly audible on the outside.

Now by the arrangement described, the friction device for each leg properly holds the leg in any position it is moved to by the user, and when the leg is turned the corresponding sounding device is actuated, that is, each leg is mounted to turn independent of the others, and each leg controls a sounding device.

By having the springs F, F′ standing normally in a radial position relative to the star wheels G, G′ (see Fig. 2), the legs C, C and D, D can be readily turned in either direction, and the star wheels G, G′ when turned in either direction actuate the springs F, F′ to produce sounds within the body A, as before mentioned.

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

1. A figure toy, comprising a body, a plurality of movable members mounted to turn on the said body, and sounding devices within the said body and one for each movable member and connected thereto to be actuated by the same independent of the other members and sounding devices.

2. A figure toy, comprising a body, a movable member, a friction device for connecting the said movable member with the said body, and a sounding device within the said body and connected to the said movable member to be actuated thereby.

3. A figure toy, comprising a body, a movable body member, a friction device for connecting the movable member with the said body, a frame within the said body, a star wheel journaled in the said frame and connected with the friction member on the said movable body member, and a spring secured on the said frame and having its free end engaging the said star wheel.

4. A figure toy in the form of a bear, comprising a body, legs for the said body, a frame within the said body and made in two parts having a swivel connection, star wheels journaled in the said frame independent one of the other, springs held on the frame and engaging the said star wheels, friction disks secured on the outer ends of the star wheel shafts and attached to the said legs, and friction disks loose on the said star wheel shafts and arranged in the said body opposite the friction disks in the legs.

5. A figure toy in the form of a bear, comprising a body, legs for the said body, a frame within the said body and made in two parts having a swivel connection, star wheels journaled in the said frame independent one of the other, springs held on the frame and engaging the said star wheels, friction disks secured on the outer ends of the star wheel shafts and attached to the said legs, friction disks loose on the said star wheel shafts and arranged in the said body opposite the friction disks in the legs, and means for pressing the said body friction disks outward.

6. A figure toy, comprising a body having movable members, a frame in the body, shafts mounted in the frame and extending into the members, spring pressed friction disks on each shaft, one in the body and the other in the member, and sounding devices carried by the frame and connected with the movable members to be actuated thereby.

7. A figure toy, comprising a body having a movable member, a shaft mounted in the body and extending into the movable member, a disk on the shaft in the movable member, a second disk on the shaft in the body, and a spring on the shaft and pressing the last named disk in the direction of the first disk.

8. A figure toy, comprising a body, movable members for the body, a frame in the body, sounding devices carried by the frame, one for each member, and means for connecting the members with the body and with the sounding devices whereby the members when turned will operate a sounding device.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALBERT EARNEST WOOLNOUGH.

Witnesses:

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F. W. DAWSON.