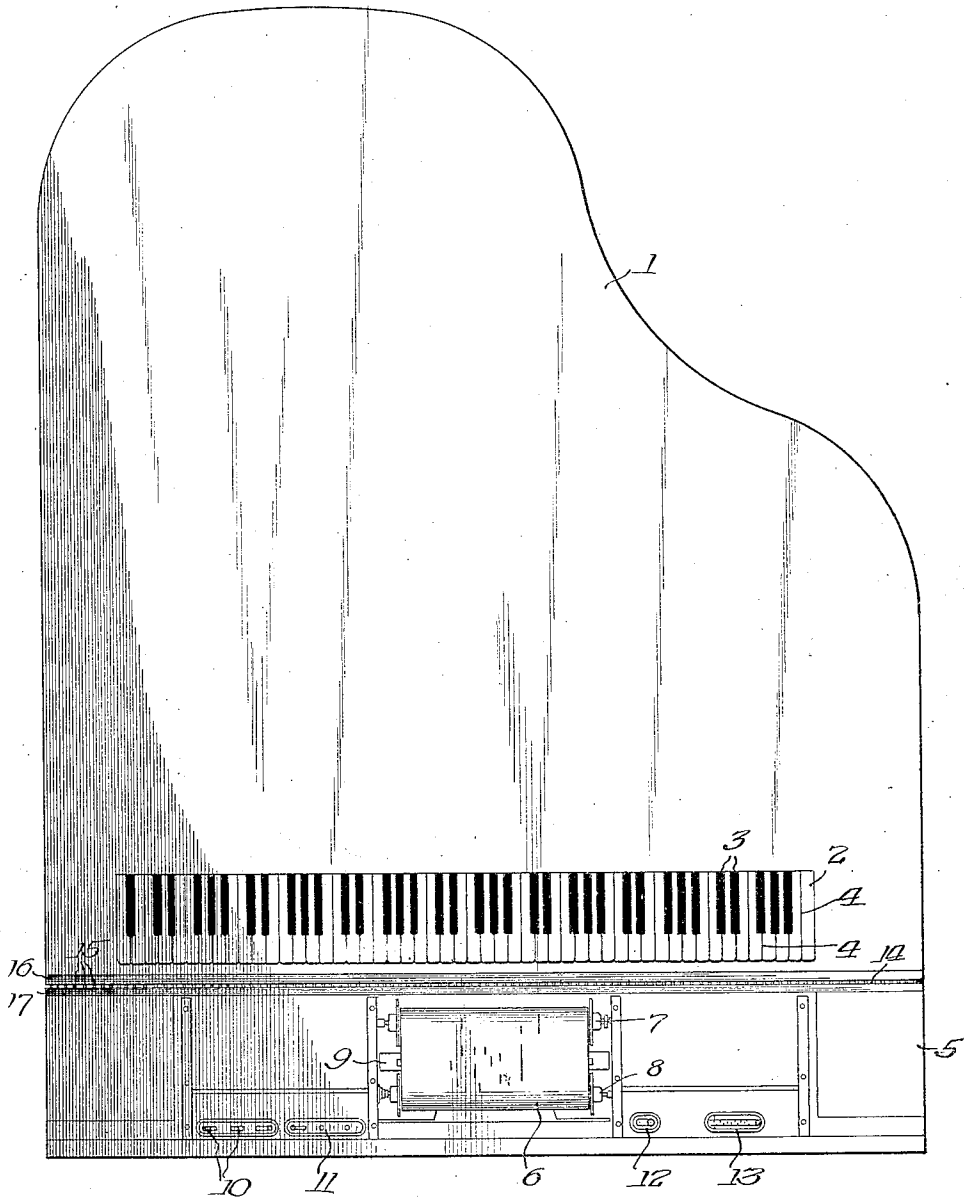
March 29, 1927. 1,622,445

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DEVICE FOR INDICATING POSITION OF PIANOS ON FLOORS OR OTHER SURFACES

Filed Feb. 3, 1923



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Patented Mar. 29, 1927. 1,622,445

UNITED STATES PATENT OFFICE.

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DEVICE FOR INDICATING POSITION OF PIANOS ON FLOORS OR OTHER SURFACES.

Application filed February 3, 1923. Serial No. 616,666.

My invention relates to device for indicating on a floor or other surface the space which will be occupied by an article to be placed on the floor of a room or compartment, or other space.

The object of the invention is to provide a simple, practical and advantageous device of the class specified.

Another object of the invention is to provide a device of the class specified having structural arrangements for indicating articles with movable parts.

Another object of the invention is to provide a device of the class specified which will indicate a reproducing piano.

In the accompanying drawings Fig. 1 is a device of the class specified which I call a floor pattern for indicating the space which would be occupied by a reproducing piano on a floor of a room, or compartment, or other space.

Referring to the drawings, I show a floor pattern adapted to indicate the full space which would be occupied by a reproducing piano on the floor of a room or on some other surface. Certain features of the pattern are available, however, in floor patterns for different purposes, so that I do not wish to have it understood that the invention is confined to a floor pattern for reproducing pianos.

In the drawings I show a body portion 1 which has the shape of a grand piano and has means such as 2—2 and 3—3 for indicating the white and black keys of the piano keyboard. The body portion 1 is preferably made of flexible material, such as brown paper for example, and the keys 2—2 and 3—3 are also preferably made of flexible material, such as white paper with the key lines 4—4 between the white keys marked in black ink, and the black keys 3—3 also marked in black ink. This body portion 1 with the keys 2—2 and 3—3 being made of paper may be readily folded so as to be carried or transported and then spread out upon the floor. The pattern is a full sized representation of a grand piano with the keys in the proper place, being what might be called an orthographic projection of such pattern so that when the pattern is in position on the floor it will comprise a full sized flat representation of the piano with the keys in proper place, and will show just what space will be occupied by the piano when brought into the room and placed on the floor. A floor pattern embodying these features of construction is illustrated, described and claimed in my application, Serial No. 458,028, filed April 2, 1921, devices for indicating space occupied by articles resting on floor surfaces.

Referring further to the drawings, I show a supplemental or additional portion 5 connected to the front end of the body portion 1. This supplemental portion 5 is also preferably made of flexible material such as paper, and is provided with means for showing the various instrumentalities of a reproducing piano, that is, the instrumentalities which are normally pushed back under the piano entirely out of sight, but which may be pulled forward in order to put a music roll in position or change same, and also in order to set or manipulate the various operating devices. The means shown preferably comprise drawings or other pictorial representations of a music roll 6 mounted on spools 7 and 8, and traveling over tracker 9, together with various sets of controlling instrumentalities 10, 11, 12 and 13. These pictorial representations are also preferably of flexible material, such as paper, so that this supplemental part 5 may also be folded as desired.

The supplemental part 5 is preferably connected with the body part 1 by means of a flexible hinge 14, such as a strip of heavy substantial cloth or thread connections 15 between strips 16 and 17 of cloth or other fabric secured or bound to the adjacent edges of the members 1 and 5. By this arrangement the portion 5 may be folded so as to permit it to be swung underneath the adjacent portion of the body 1, and also to be swung out as shown in the drawings, so that it will lie in the same plane as the body 1 and thereby permit it to rest upon the floor with the body 1, as shown in Fig. 1. Thus a reproducing piano with the slidable reproducing mechanisms drawn out may be indicated by the pattern resting on the floor. Also the piano itself without the reproducing features may be indicated by simply folding the part 5 underneath the part 1, so that only the latter is visible.

Thus the device will show the full floor space that will be required for a reproducing piano with the reproducing mechanisms drawn out and will also show the space that

will be occupied by the piano with those mechanisms pushed in.

It will be understood, as stated at the outset, that the principles of construction and operation involved in the device may be employed in devices for other purposes, and also that changes and modifications in the device shown may be made without departing from the spirit of the invention.

What I claim is:

1. A device of the class specified comprising a body part consisting of a flat full sized representation of the outline plan of a piano and a supplemental part consisting of a flat full sized similar representation of the reproducing mechanism of such piano, said supplemental part being hingedly connected with said body part so as to occupy the position in front of the body part corresponding to the position occupied by the reproducing mechanism when in front of the piano.

2. A device of the class specified, comprising a body part consisting of a flat full sized representation of the outline plan of a grand piano and a supplemental part consisting of a flat full sized similar representation of the reproducing mechanisms of such piano, said supplemental part having a hinge connection with the body part.

3. A device of the class specified, comprising a body part consisting of a full sized representation of the outline plan of a grand piano and provided with means for showing the keyboard and a supplemental part consisting of a full sized similar flat representation of the reproducing mechanisms of a reproducing piano, said supplemental part having a hinged connection with the body part to permit the supplemental part to be folded underneath the body part or to be spread out to lie adjacent to the same and in the same plane therewith.

In witness whereof, I hereunto subscribe my name this 19th day of January, A. D. 1923.

BENJAMIN HIRAM JEFFERSON.