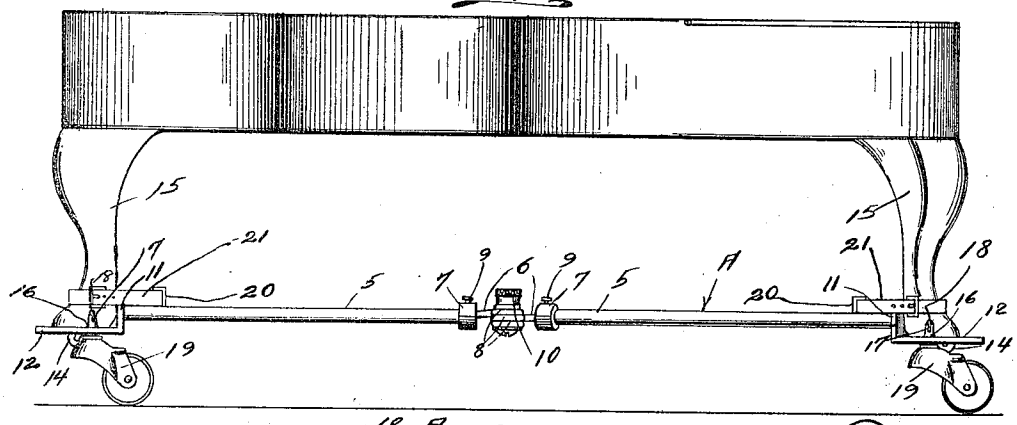
F. E. NELSON.

PIANO TRUCK.

APPLICATION FILED MAY 13, 1918.

1,322,719. Patented Nov. 25, 1919.

Fig. 1



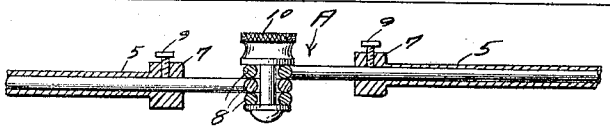
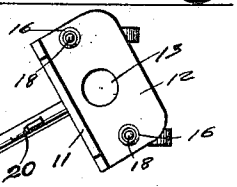


Fig. 3



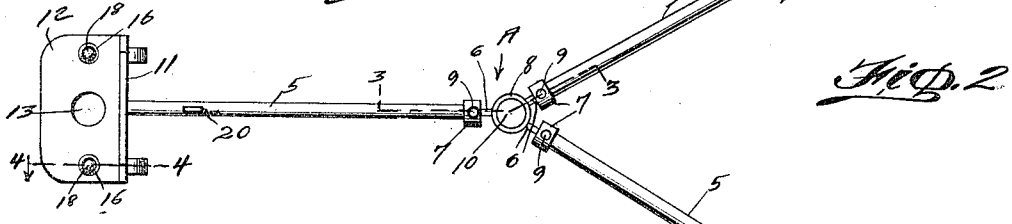


Fig. 2

Fig. 5

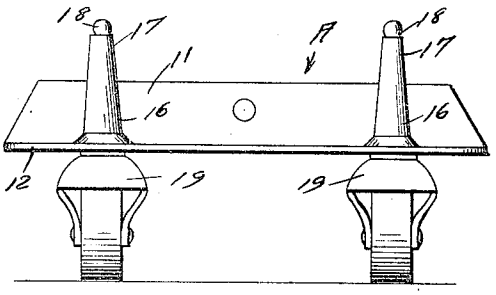
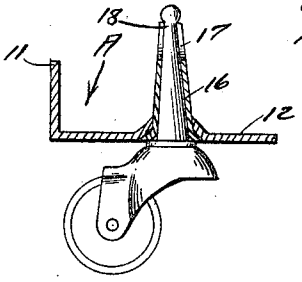


Fig. 4



Witnesses

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UNITED STATES PATENT OFFICE.

FRANK E. NELSON, OF MINNEAPOLIS, MINNESOTA.

PIANO-TRUCK.

1,322,719. Specification of Letters Patent. Patented Nov. 25, 1919.

Application filed May 13, 1918. Serial No. 234,176.

To all whom it may concern:

Be it known that I, FRANK E. NELSON, a citizen of the United States, residing at Minneapolis, in the county of Hennepin, State of Minnesota, have invented certain new and useful Improvements in Piano-Trucks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to an adjustable and foldable truck, and more particularly to the class of piano trucks.

The primary object of the invention is the provision of a truck of this character upon which a piano of the grand type may be secured for the convenient and easy moving thereof from one point to another, without the possibility of any strain upon its casters or the legs, which frequently results in damage or injury thereto when the piano is being moved over a rough floor or deep pile carpet, and especially when a piano is in use upon a stage in a theater or other place of amusement.

Another object of the invention is the provision of a truck of this character which can be readily and easily adjusted for use with different sizes of pianos and which may be readily folded when not in use to occupy the least possible space when stored or transported from one locality to another.

A further object of the invention is the provision of a truck of this character, which will be light in weight, and of low manufacturing cost yet possessing the required strength and rigidity.

Other objects will be in part obvious and in part hereinafter pointed out.

The invention accordingly consists of the features of construction and arrangement of elements hereinafter set forth and illustrated in the accompanying drawing, while the scope of the application of which will be indicated in the following claim.

In the accompanying drawing:—

Figure 1 is an elevation of the truck constructed in accordance with the invention supporting a piano.

Fig. 2 is a top plan view of the truck with the piano removed.

Fig. 3 is a fragmentary detail sectional view taken on the line 3—3 of Fig. 2.

Fig. 4 is a sectional view on the line 4—4 of Fig. 2.

Fig. 5 is an elevation of one of the caster plates of the truck.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A designates generally the piano truck which comprises a series of swingingly connected arms, preferably three in number, each including an outer tubular rod section 5 and an inner solid slidable rod section 6 which telescopes within the inner end of the tubular rod section 5, which inner end of the latter is reinforced through the medium of an external collar 7. The inner end of the slidable rod section 6 is formed with an eye 8 and threaded in the collar 7 is a set screw 9 which works through the tubular section 5 to engage the slidable section 6 for securing the same in adjusted position. It will be evident that the arms can be lengthened and shortened by adjusting the slidable section 6 relative to the tubular section 5 thereof.

The inner eye ends 8 of the slidable section 6 are connected through the medium of a detachable pivot 10 for swingingly connecting the arms to each other so that they may be adjusted as the occasion may require.

On the outer ends of the tubular rod sections 5 are angle plates each having its vertical flange 11 fixed centrally to the outer end of the corresponding rod section 5. The horizontal base portion 12 of each plate is formed with a central opening 13 of a size sufficient to receive the caster 14 in a piano leg 15 which at its lower end is adapted to rest upon the base portion 12 of the angle plate. On opposite sides of the opening 13 in the base portion 12 of the angle plate and rising therefrom are socket sleeves or thimbles 16 which have split contracted upper ends 17 for frictionally gripping the stems 18 of casters 19 which are removably

fitted in said sleeves or thimbles 16 and held swiveled therein. The casters, including the stems 18, are of the ordinary well known construction employed with articles of furniture.

The mounting of the casters 19 in the angle plates movably support the truck structure upon a floor or foundation and these casters 19 properly elevate the piano supported upon the truck above the floor or foundation and enable the convenient movement of the piano from one point to another, it being understood of course that the angle plates receive the three legs of the piano, while the arms serve as braces.

On each rod section 5 is a loop 20 in which is engaged a holding strap 21 of any approved form to retain the piano upon the truck. It is of course to be understood that the casters can be varied or changed as the occasion may require.

As shown in the drawings, the sleeves or thimbles 16 are spaced from each other and lie at opposite sides of the openings 13, these sleeves or thimbles thus forming stops for the reception of the feet of the piano therebetween to prevent the feet from shifting laterally from the base portions 12 of the angle plates, while the straps 21 hold the piano feet between the sleeves or thimbles 16.

What is claimed is:—

A piano truck comprising a plurality of relatively adjustable telescopic arms, plates carried by the ends of the arms for the reception of piano feet thereupon, said plates having openings therein for the reception of piano casters carried by piano feet resting upon the plates, upstanding downwardly opening socket members carried by the plates at opposite sides of their openings, said socket members being spaced for the reception of piano feet therebetween, and means for holding piano feet disposed between the socket members.

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

FRANK E. NELSON.

Witnesses:

G. C. JOHNSON,

H. OFTEDAL.