

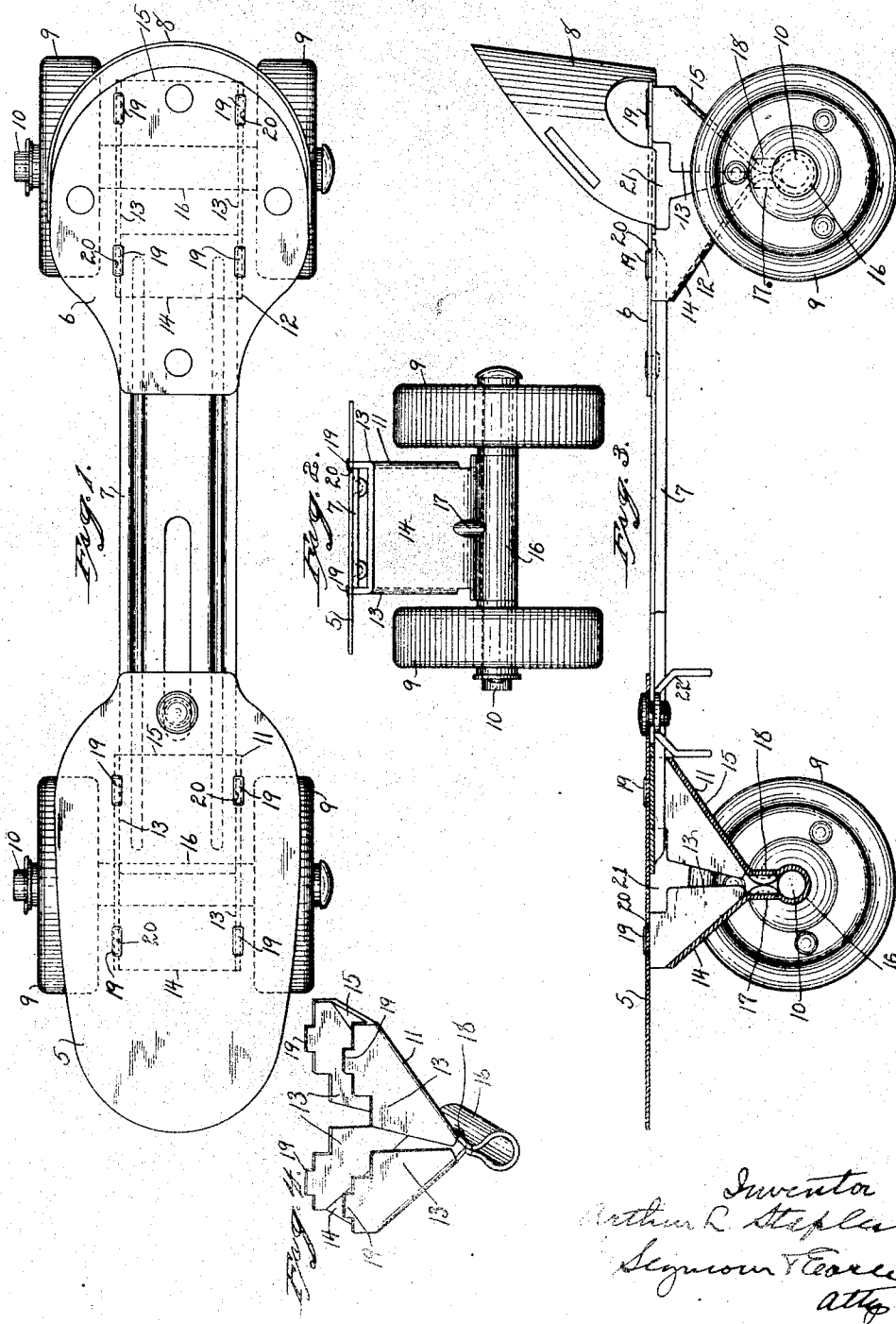
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ROLLER SKATE

Filed June 13, 1925



UNITED STATES PATENT OFFICE.

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ROLLER SKATE.

Application filed June 13, 1925. Serial No. 36,794.

I do hereby declare the following, when taken in connection with the accompanying drawings and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this application, and represent, in—

Fig. 1 a plan view of a roller-skate constructed in accordance with my invention.

Fig. 2 a view thereof in front elevation.

Fig. 3 a view thereof, partly in side elevation and partly in vertical, longitudinal section.

Fig. 4 a detached, perspective view of one of the box-like, sheet-metal hangers.

My invention relates to an improvement in that class of roller-skates in which the component parts of their frames are made of sheet-metal, the object being to produce, at a low cost for manufacture, a skate of the character described, and constructed with particular reference to fewness of parts, convenience and ruggedness in use.

With these ends in view, my invention consists in a roller-skate characterized by having box-like, sheet-metal hangers formed with integral, axle-housings interposed between their sloping front and rear walls.

And by having other details of construction as will be hereinafter described and pointed out in the claims.

For the illustration of my invention, I have shown a skate having a sheet-metal toe-plate 5, a sheet-metal heel-plate 6, a sheet-metal girder 7 by which the said plates are extensibly connected, a heelguard 8, wheels 9, either of metal or of wood, and wheel-axes 10, all of the parts enumerated being of any approved standard construction and not participating in my present invention. Such a skate-structure I provide with front and rear, sheet-metal, box-like hangers to which the general reference numerals 11 and 12 are applied. These correspond to each

other in construction, and a description of the front hanger will apply equally to the rear hanger, which is not shown in detail.

The said front hanger 11 is struck up from a single piece of sheet-metal and comprises longitudinal, vertical, parallel side-walls 13, and sloping front and rear walls 14 and 15 which at their lower ends merge into a transversely-arranged, sleeve-like axle-housing 16, respectively formed, as shown, with centrally-arranged, vertical stiffening-ribs 17 and 18, placed so as to resist any tendency of the housing to be bent to the front or rear by the heavy thrusts imposed upon this feature of the skate. The said hangers 11 and 12 receive the wheel-axes 10, which are preferably gripped rigidly in them, the wheels 9 turning upon the projecting ends of the axles. The upper edges of the side-walls 13 of the housings are formed with upstanding rivet-lugs 19 entering corresponding, suitably-located rivet-holes 20 in the heel and toe-plates 5 and 6. As shown, the upper edges of the said side-walls are cut away between the rivet-lugs 19, so as to form aligned, rectangular strap-passages 21.

A clamping device 22 of familiar construction is employed for adjustably connecting the girder 7 with the toe-plate 5.

I claim:

In a roller-skate, a one-piece, sheet-metal hanger comprising longitudinal, vertical side-walls joined by integral, sloping front and rear walls, an integral, transverse axle-housing at the juncture of the said front and rear walls, and vertical stiffening-ribs formed at and extending across the respective junctures of the front and rear walls with the said housing.

In testimony whereof, I have signed this specification.

ARTHUR L. STAPLES.