

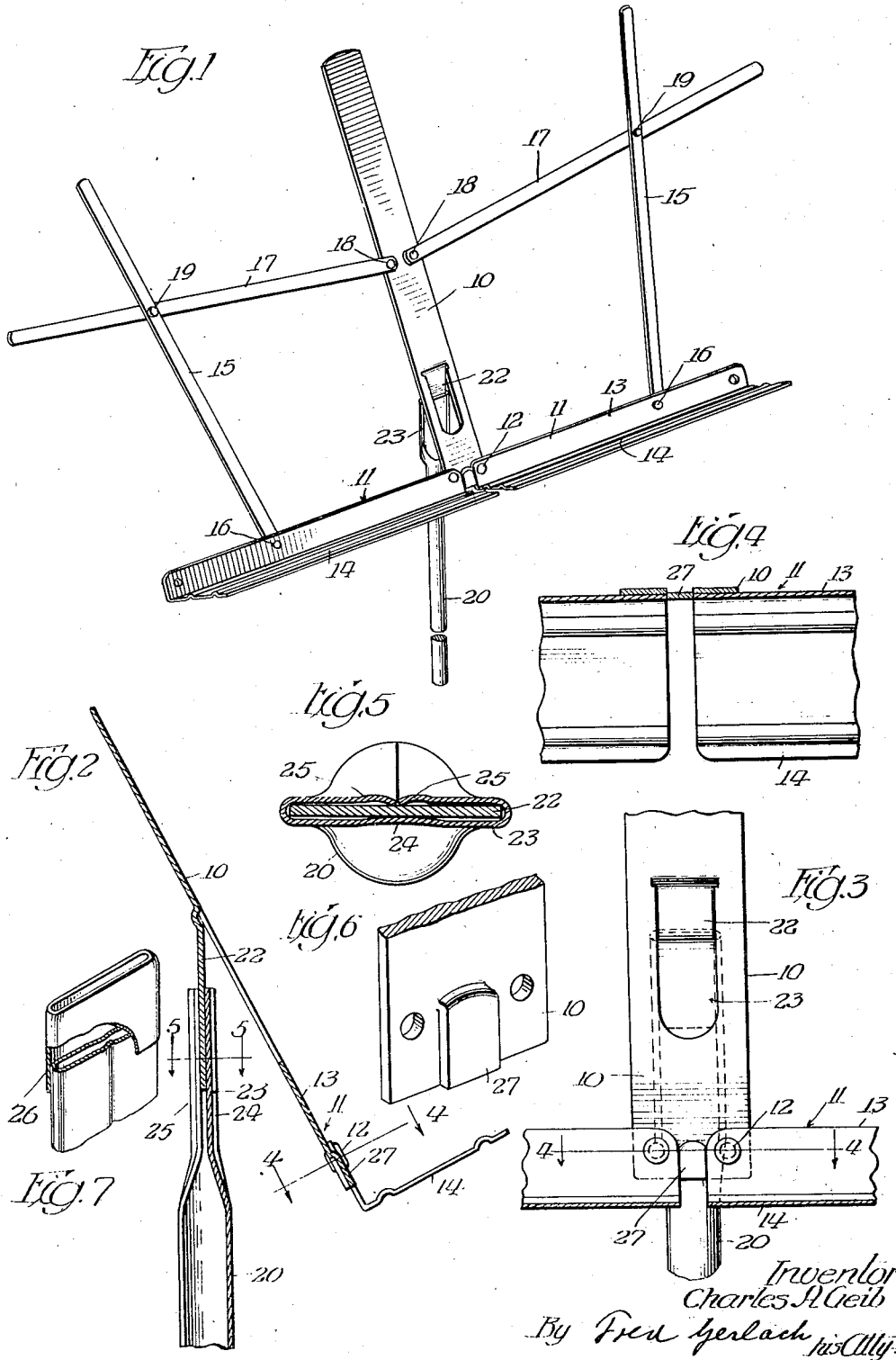
Dec. 14, 1943.

C. A. GEIB

2,336,679

MUSIC STAND

Filed July 25, 1941



UNITED STATES PATENT OFFICE

2,336,679

MUSIC STAND

Charles A. Geib, Chicago, Ill., assignor to The
Norwood Company, Chicago, Ill., a corporation
of Illinois

Application July 25, 1941, Serial No. 404,042

3 Claims. (Cl. 45—121)

The invention relates to music holders.

One object of the invention is to provide a music-holder frame which includes a simple form of detachable connection between the frame and the standard of the tripod.

Another object of the invention is to provide a music-holder which is simple in construction and can be produced at a low cost.

Other objects of the invention will appear from the detailed description.

The invention consists in the several novel features which are hereinafter set forth and are more particularly defined by claims at the conclusion herein.

In the drawing: Fig. 1 is a perspective of a music-holder embodying the invention. Fig. 2 is a central vertical section. Fig. 3 is a partial front elevation, the bottom members of the holder frame being shown in section. Fig. 4 is a section taken on line 4—4 of Fig. 3. Fig. 5 is a section taken on line 5—5 of Fig. 2. Fig. 6 is a perspective of the lower portion of the central-bar. Fig. 7 is a perspective of a modified form of the invention.

The invention is exemplified in a music-holder which comprises a sheet or music-holder frame and a standard which is provided with the usual foldable tripod at its lower end. The frame comprises a central upstanding bar 10; a pair of bottom-bars 11 pivoted respectively at 12 to the central bar 10, each bottom-bar having a vertical back-flange 13 and a grooved bottom-flange 14 on which the lower edge of the music-sheets are adapted to rest, side-bars 15 pivoted at 16 to the back-flanges 13 of bottom-bars 11, and laterally extending bars 17 pivoted at 18 to the central bar 10 and at 19 to the side-bars 15, respectively. The pivotal connections between these members permit the bottom, side and laterally extending bars to be folded into substantially parallel relation with the central-bar 10 for convenience in carrying them or in packing. All of these bars are formed of metal strips or sheet metal.

The frame is supported by the standard 20, which is usually supported by a folding tripod. The music-holder frame is detachably connected to the upper end of the standard 20 so that it may be removed therefrom for convenience in carrying or packing. This detachable connection is provided between the central-bar 10 and the standard 20 and comprises a rearwardly outstruck tongue 22 which is stamped from the flat central-bar 10 and bent rearwardly into a vertical position so its free end extends downwardly.

The frame is usually inclined upwardly and backwardly so that the music will be retained on the bottom-bars and rest against the central, side and laterally extending bars of the frame.

The standard 20 is preferably formed of sheet metal bent into cylindrical form and flattened at its upper end, as at 23, to form a socket for slidably receiving the tongue 22. This flattened portion 23 has a vertical central inwardly convex rib 24. The meeting edges of the sheet forming the standard 20 are curved inwardly from one side of upper end of the standard, as at 25. These edges 25 and the rib 24 provide integral portions for resiliently gripping the tongue 22 between them so that the tongue and the frame supported from the tongue will be frictionally and securely supported in the socket in the flattened portion 23 of the standard 20. This resiliency permits the tongue 22 to be inserted and withdrawn from the flattened portion 23 and securely holds the tongue 22 in the socket.

In the modification illustrated in Fig. 7, a ferrule or cap 26, which has an opening in its top through which the tongue 22 is free to pass, is secured to the upper portion of the flattened portion 23 of the standard, and conforms to the ends and flat portions of the sides but leaves the intumed edges 25 and convex ribs 24 free to flex.

At its lower end, central-bar 10 is provided with a forwardly outstruck tongue 27 which fits between the inner edges of the flanges 13 of bottom-bars 11 to limit their downward pivotal movement when they are in aligned relation for supporting the music-sheets. This tongue 27 serves as a stop for the bottom-bars 11 and eliminates the necessity of providing the usual jointed bars or links between the central-bar 10 and the side-bars 15 for limiting the downward movement of the bottom-bars. When the latter are formed of thin sheet metal, the inner edges of the flanges 13 will not reliably engage each other because they are likely to overlap when forced downwardly. The central-bar 10 is usually made of thicker stock than the bottom-bars, so that the back-flanges cannot be bent over them.

The invention exemplifies a music-holder which is simple in construction and can be formed of bars of sheet metal at a low cost and provides a simple and secure detachable connection between the standard and the central-bar of the music-holder. It also exemplifies a simple expedient for limiting the swinging of

the bottom-bars to hold them in their operative position.

The invention is not to be understood as restricted to the details set forth, since these may be modified within the scope of the appended claims, without departing from the spirit and scope of the invention.

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

1. A music-holder comprising a tubular standard flattened at its upper end and formed of a strip of metal and a frame comprising a central-bar of metal having a rearwardly outstruck tongue slidable into the upper end of the standard for detachably connecting the frame to the standard, the meeting edges of the strip forming the tube being bent to resiliently engage the tongue.

2. A music-holder comprising a tubular standard flattened at its upper end and formed of a strip of metal and a frame comprising a sub-

stantially flat central-bar of metal having a rearwardly outstruck substantially flat tongue slidable into and fitting in the upper end of the standard, the meeting edges of the strip forming the flattened portion of the standard being disposed at one side of and bent, and the opposite side of the flattened tubular portion having a convex portion for resiliently engaging the tongue.

10 3. A music-holder comprising a tubular standard flattened at its upper end and formed of a strip of metal, a frame comprising a central-bar of metal having a rearwardly outstruck tongue slidable into and fitting in the upper end of the
15 standard for detachably connecting the frame to the standard, the flattened tubular portion of the standard being provided with integral resilient means for engaging the tongue, and a flattened ferrule around the flattened upper end
20 of the standard.

CHARLES A. GEIB.