

MUSIC STAND.

APPLICATION FILED OCT. 25, 1909.

992,908.

Patented May 23, 1911.

2 SHEETS--SHEET 1.



attest:
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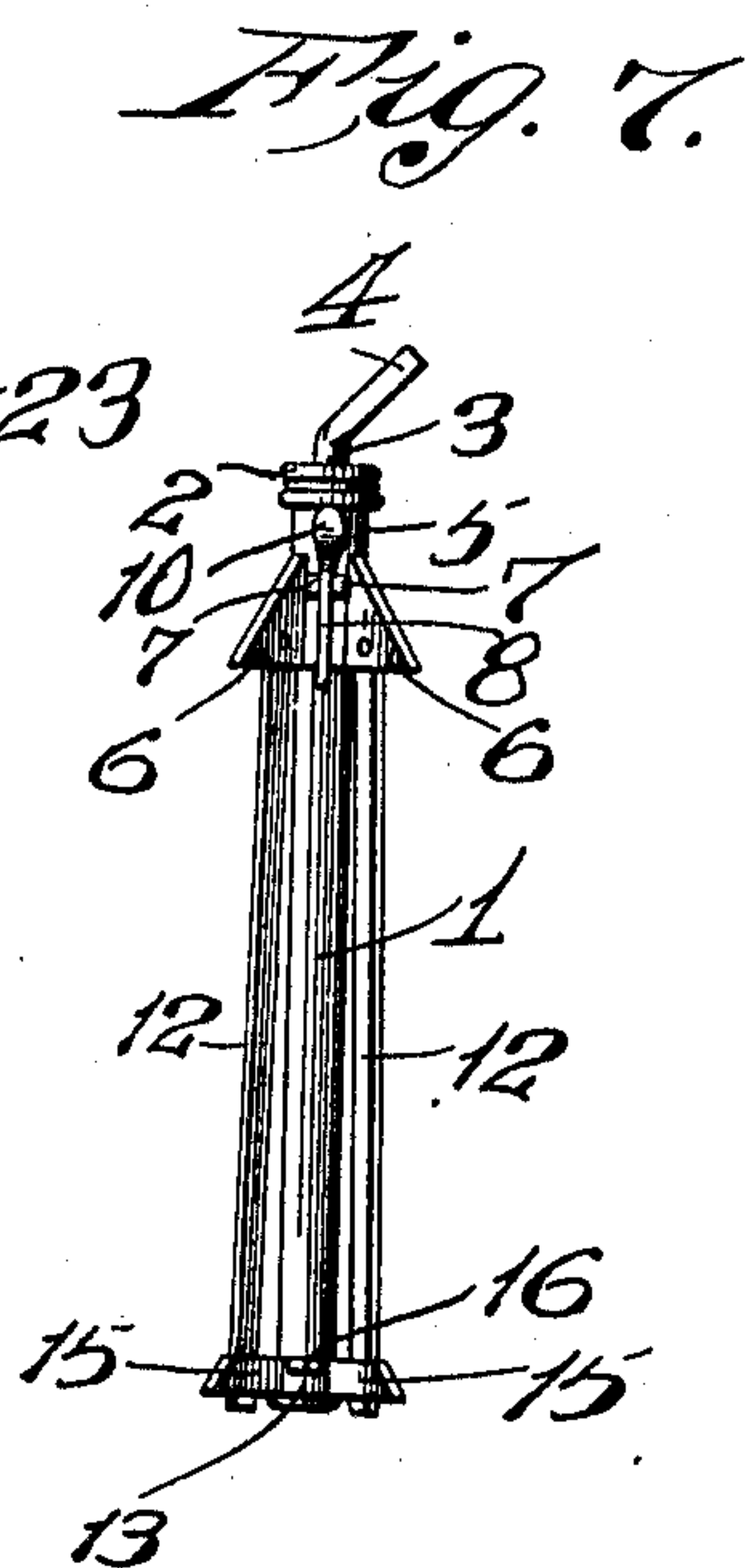
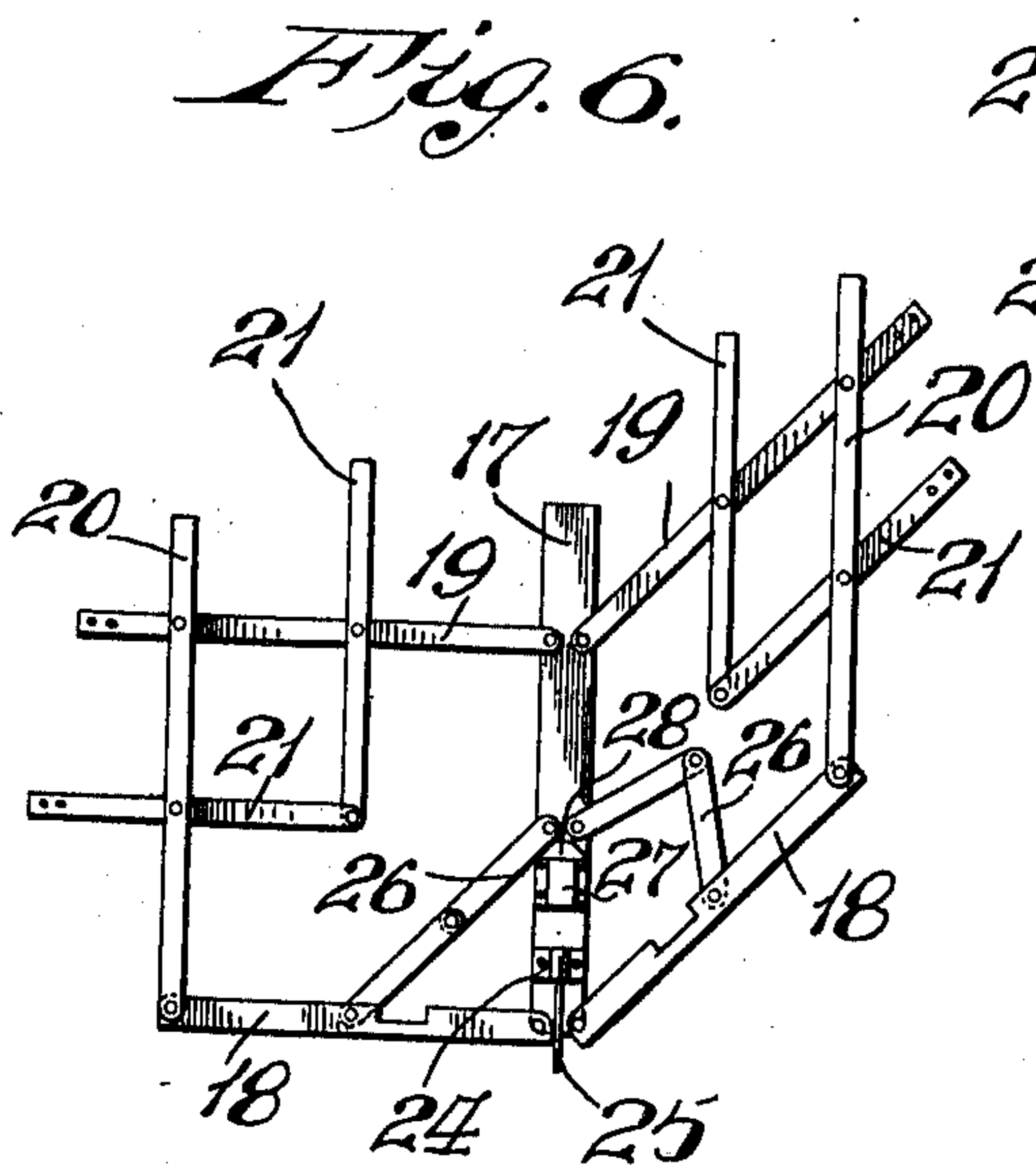
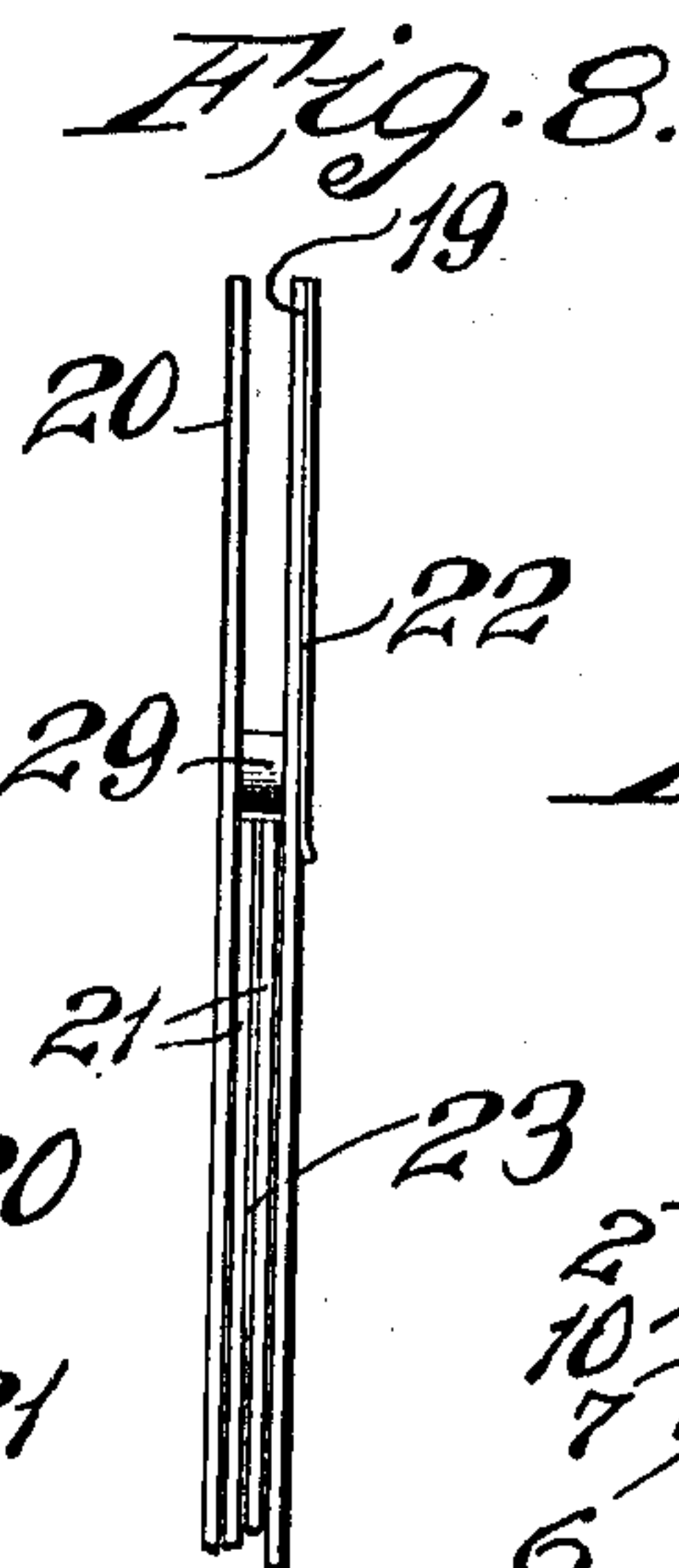
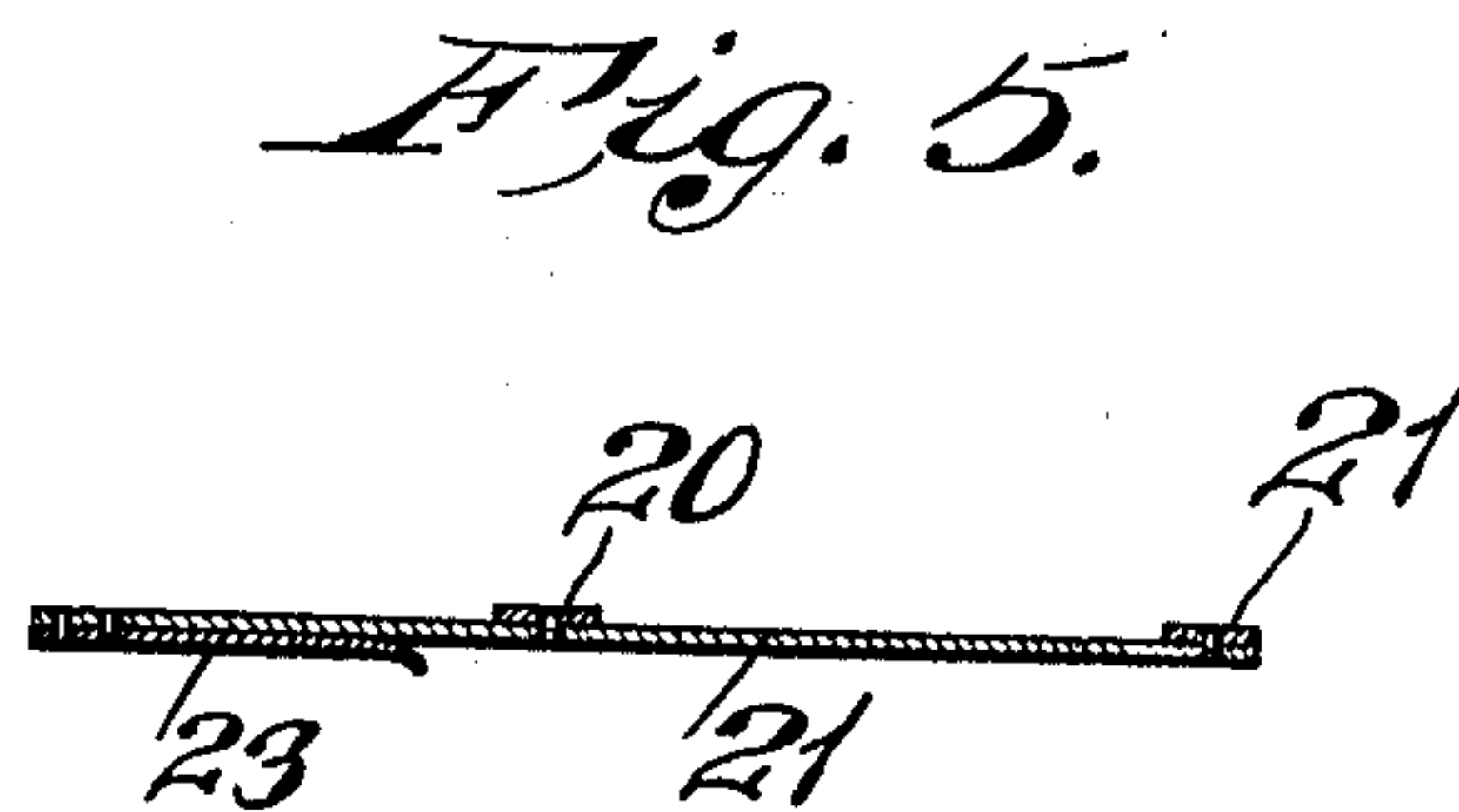
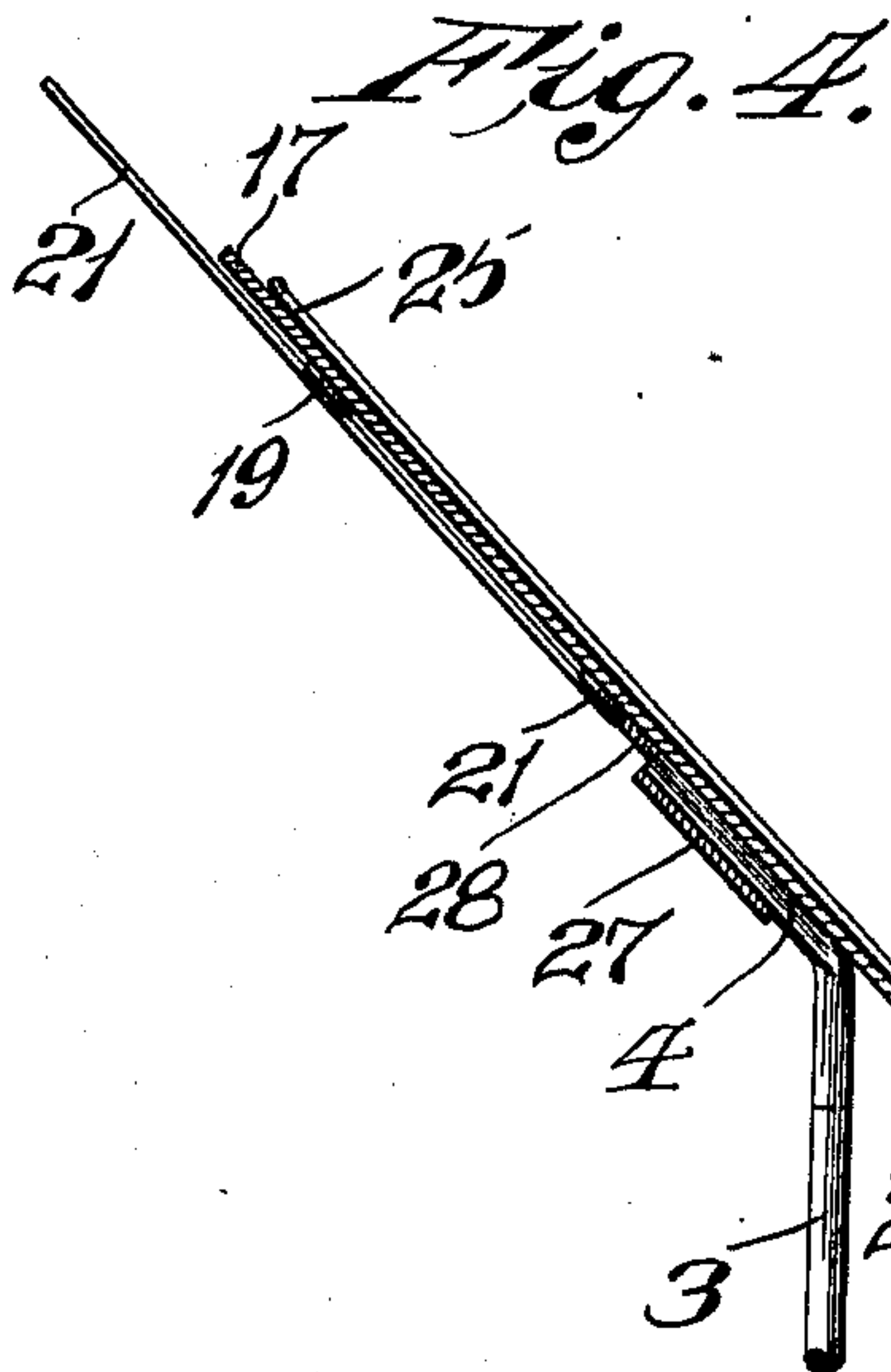
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

HARRY U. RUMMEL, OF ST. CHARLES, MISSOURI.

MUSIC-STAND.

992,908.

Specification of Letters Patent.

Patented May 23, 1911.

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To all whom it may concern:

Be it known that I, HARRY U. RUMMEL, a citizen of the United States, and resident of St. Charles, St. Charles county, Missouri, have invented certain new and useful Improvements in Music-Stands, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in folding music stands, the object of my invention being to construct a music stand having a detachable, folding music-holder and a folding-base, which, in their folded positions occupy a minimum of space.

A further object of my invention is to construct a tripedal base, the connections between the legs and base proper being such as to automatically expand and contract the legs when the same are being folded or unfolded and to provide means for locking the legs in the expanded or unfolded position.

A further object of my invention is to construct a folding music holder having a plurality of fixed clips arranged in such positions on the holder as to receive and hold sheets of music of various widths.

For the above purposes my invention consists in certain novel features of construction and arrangement of parts as will be hereinafter more fully described, pointed out in the claims and illustrated in the accompanying drawings: in which,

Figure 1 is a front elevation of the complete stand; Fig. 2 is an enlarged, detail, sectional elevation taken on the line 2—2 of Fig. 1; Fig. 3 is an enlarged, detail, sectional plan taken on the line 3—3 of Fig. 1; Fig. 4 is a vertical, sectional elevation through the music holder on a line at approximately its longitudinal center showing a portion of the means for connecting the holder to the base; Fig. 5 is a sectional elevation of a portion of the music holder showing the arrangement of one of the music holding clips; Fig. 6 is a rear elevation of the music holder, one side of which is shown in a partially folded position; Fig. 7 is a view of the complete base section in a folded position; and, Fig. 8 is an edge view showing the spacing blocks which permit

certain parts of the music holder to overlie, in parallel positions relative to each other.

Referring by numerals to the accompanying drawings: 1 designates the tubular standard. 2 designates a tubular telescoping-extension of the standard 1 and 3 designates a second tubular extension telescopically connected with the extension 2, and is provided with an integral flattened end 4 which is bent at an angle approximately forty five degrees relative to the body of the extension 3.

Each of the parts 3 and 2 are slotted adjacent their lowermost extremities and the material of their body portions, between the slots, is expanded and arranged to frictionally engage and hold said parts in any desired altitudinal adjustment, the part 3 within the extension 2 and the extension 2 within the standard 1.

Arranged to slide upon the standard 1 is a sleeve 5 and formed integral therewith are a number of hollow, triangular-shaped extensions 6, and, formed integral with the sleeve 5 is a pair of perforated ears 7. Pivotally supported between and by said ears is a locking device 8, the lowermost end of which is provided with a hook 9 and the opposite end 10 is flattened so that it may be readily manipulated.

Interposed between the inner face of the flat end 10 and sleeve 5 is an extensile coil spring 11. Pivotally mounted in each hollow extension 6, a slight distance above the lower margins thereof, is a leg 12.

Embracing the lower extremity of the standard 1 is a sleeve 13 which is secured to the standard by means of the rivet 14 which is extended through said sleeve and through the walls of the tubular standard 1. Formed integral with the sleeve 13 are radially arranged perforated arms 15, corresponding in number with the hollow extensions 6, each of which alines with one of said hollow extensions and the outer wall of the perforation in each arm being arranged to parallel the outer walls of the hollow extensions 6; each arm is arranged to embrace one of the legs 12, and, carried by the sleeve 13 is an integral extension 16 arranged in such position as to be engaged by the hooked end of the lever 8.

The music holder proper comprises a central, vertical member 17, to the rear face of which is pivotally secured, adjacent its bottom, a pair of angular base sections 18 having their inner ends spaced a slight distance apart. Adjacent the top of the member 17 and pivotally secured to its rear face is a pair of arms 19. Pivotally secured to and connecting the base sections 18 and arms 19, adjacent their outer free ends, is a pair of connecting-links 20 and pivotally supported by each of the arms 19 and connecting-links 20 is a pair of folding music-supporting members 21. Secured to the arms 19, adjacent their outer ends, is a pair of spring music holding clips 22, and, carried by the members 21, which are secured to the connecting-links 20 and adjacent their outer ends, is a pair of music holding clips 23. Secured to the central, vertical member 17 and on the rear face thereof is a strap 24 which embraces the end of a spring wire 25 which extends downwardly and is then bent to overlie the front face of the central, vertical member 17 and terminates at a point near the top of the member 17. Secured to the rear face of the central, vertical member 17, adjacent its longitudinal center, and to the upright portion of each base section 18, adjacent their longitudinal centers, is a pair of folding struts 26, and secured to the rear face of the central, vertical member 17, immediately below the pivotal points of the struts 26, is a housing 27; and formed integral with said housing is a flange 28, the end margins of which incline at an angle of approximately forty five degrees and are arranged to limit the movement of the folding struts 26 in one direction, said struts being arranged to lock the folding members of the music holder in their expanded positions.

29 designates spacing blocks which are interposed between the arms 19 and the connecting-links 20 and carried by the pivot which connects them and are provided to space apart the members 19 and 20, to permit the members 21 to assume positions parallel with the members 19 and 20 and between them.

It is to be observed that the music holding clips 23 occupy positions farther removed from the longitudinal center of the music holder than the clips 22 to provide for the holding of sheets of music of greater width.

In setting up my improved folding music stand for use, the sleeve 5 is moved from a position adjacent the upper end of the standard 1 to a position against the sleeve 13, and during its movement it is obvious that by reason of the positions of the perforations in the arms 15, the legs 12 will be gradually expanded and when the sleeve 5 is brought to a position engaging the sleeve 13 and arms 15, the legs 12 are brought to

positions paralleling the hollow extensions 6 and the outer walls of the perforated arms 15, and when in such position the hooked end 9 of the lever 8 will engage the extension 16, thus the legs are locked in an expanded position. The housing 27 is then placed upon the head 4 of the tubular extension 3 and held thereon frictionally. A sheet of music is then placed upon the stand, between the spring wire 25 and the central, vertical member 17, with its lower margins resting upon the base sections 18 and its side margins engaged by either the pair 22 or pair 23 of the spring clips and the entire stand is altitudinally adjusted by raising or lowering either the tubular extension 2 or tubular extension 3 or both without the necessity of manipulating set screws or other extraneous holding devices and the same are held frictionally in any desired position by reason of the peculiar construction of their lower extremities.

When it is desired to fold the stand, the music holder is folded by "breaking" the struts 26 and all of the members are then folded to assume parallel positions relative to each other, there being cut-away portions in the vertical flanges of the base sections 18 to permit the complete folding of the music holder relative to the housing 27, thereby occupying a minimum of space when folded, the holder is then removed from the head 4 and the members 2 and 3 are completely folded by reason of their telescopic arrangement. The flattened end of the lever 8 is then depressed thereby disengaging its hooked end from the extension 16 which permits a movement of the sleeve over the standard 1, and, when said sleeve occupies a position adjacent the upper end of the standard 1, the legs 12 occupy a position approximately parallel to the standard 1. In this manner the complete stand, consisting of the base section and music holding section, is folded and occupies together a minimum of space.

I claim:

1. In a music stand, a holder comprising a central vertical member, a pair of folding base sections, a pair of folding arms, links connecting the arms and base sections, folding members carried by the arms and links, and folding struts connecting the central vertical member and said base sections all of which are arranged and combined in such manner as to assume parallel positions relative to each other when folded.

2. In a folding music stand, a music holder comprising a central vertical member, a pair of angular base sections pivotally secured to the central member, a pair of arms pivotally secured to the central member, links connecting the arms and base sections, folding members pivotally secured to the arms and links, spring clips carried

by said arms and folding members, folding
struts connecting the central member and
the base sections, all of which parts are ar-
ranged and combined in such manner as to
5 assume parallel positions when folded, a
standard and means for detachably con-
necting the music holder with said standard.

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

HARRY U. RUMMEL.

Witnesses:

E. E. LONGAN,

E. L. WALLACE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
