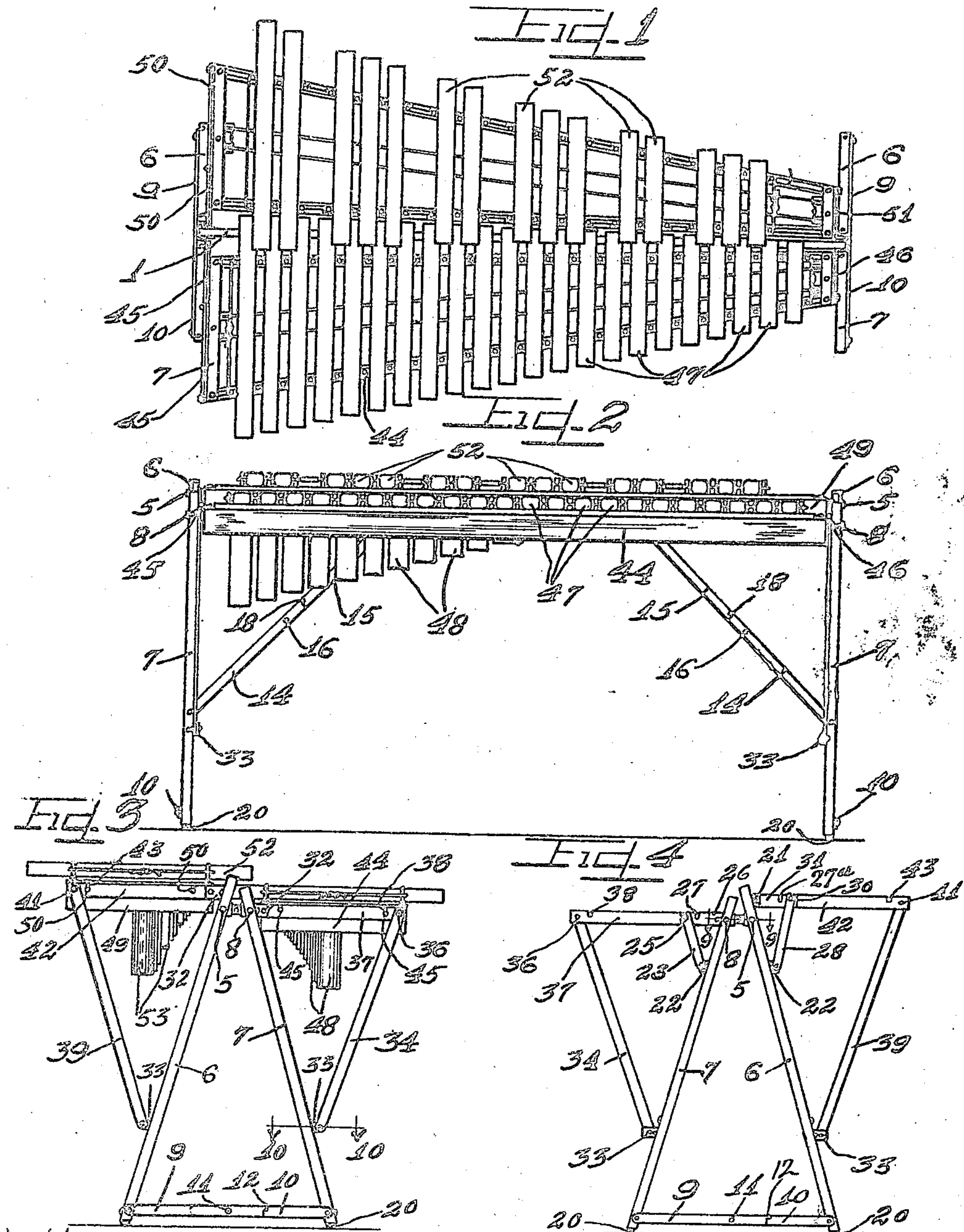


Jan. 2, 1923.

1,440,471

J. B. KOHLER.
XYLOPHONE STAND.
FILED JULY 23, 1921.

2 SHEETS-SHEET 1



WITNESSES

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2 SHEETS-SHEET 2.

Fig. 5

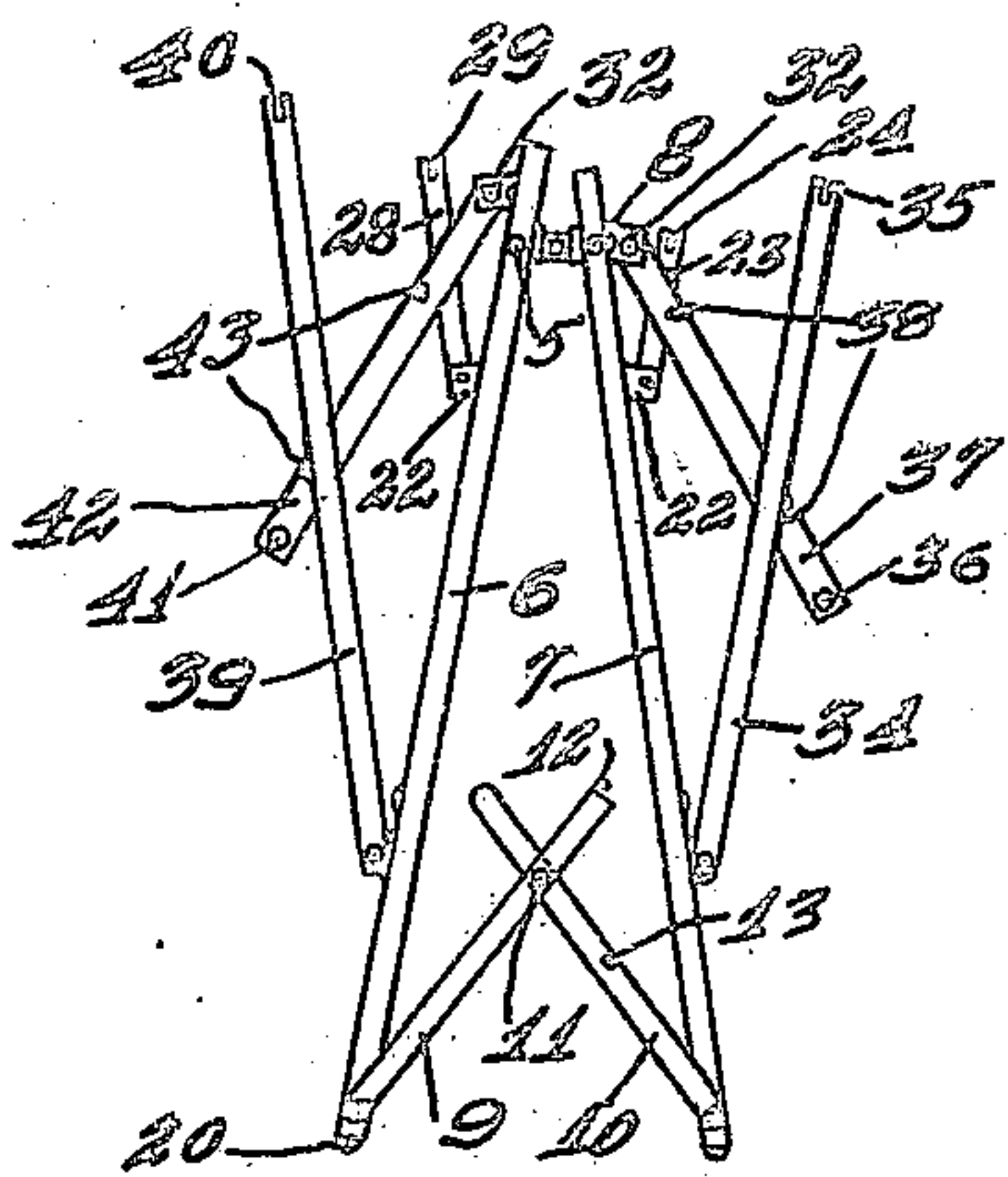


Fig. 6

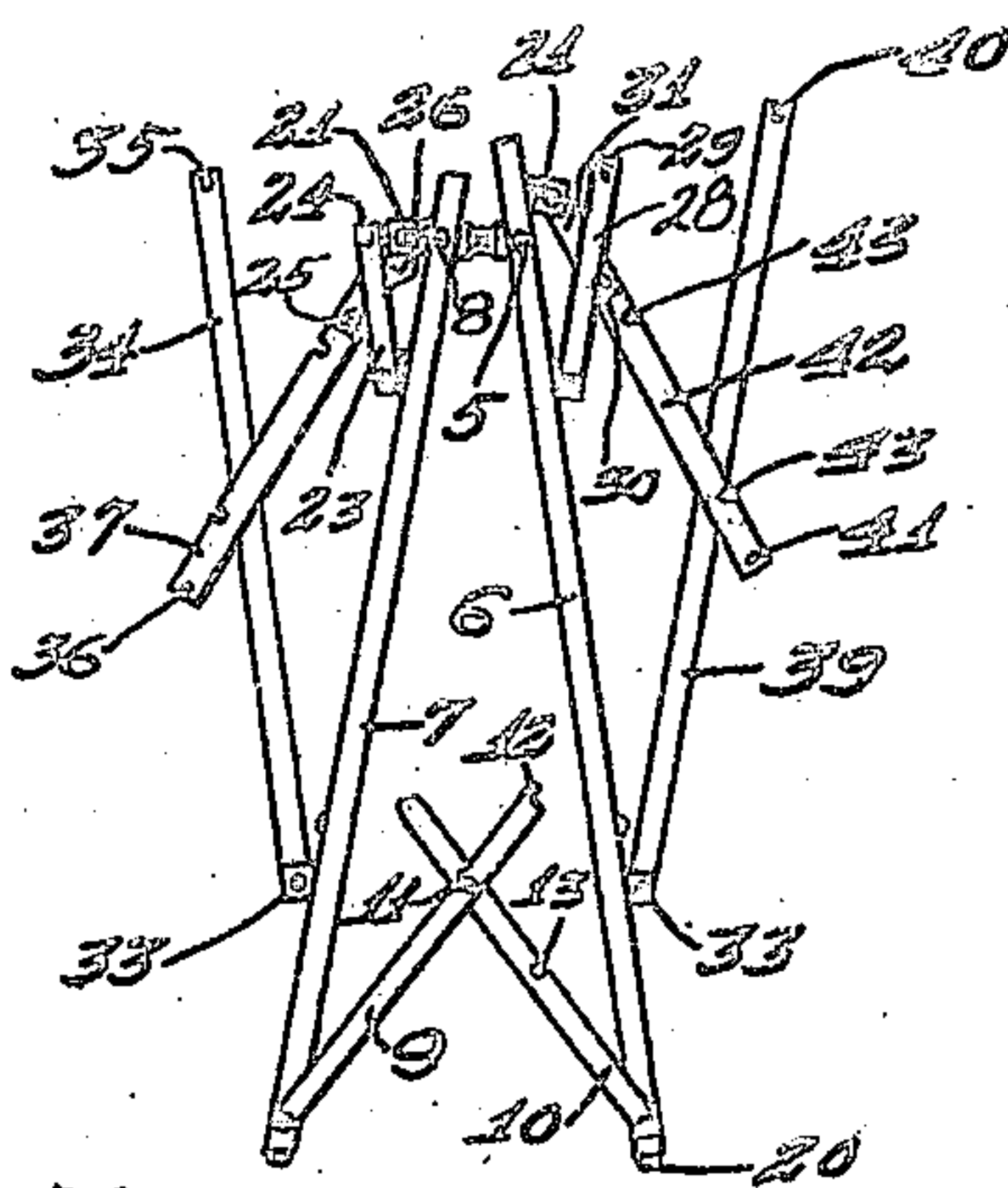


Fig. 7

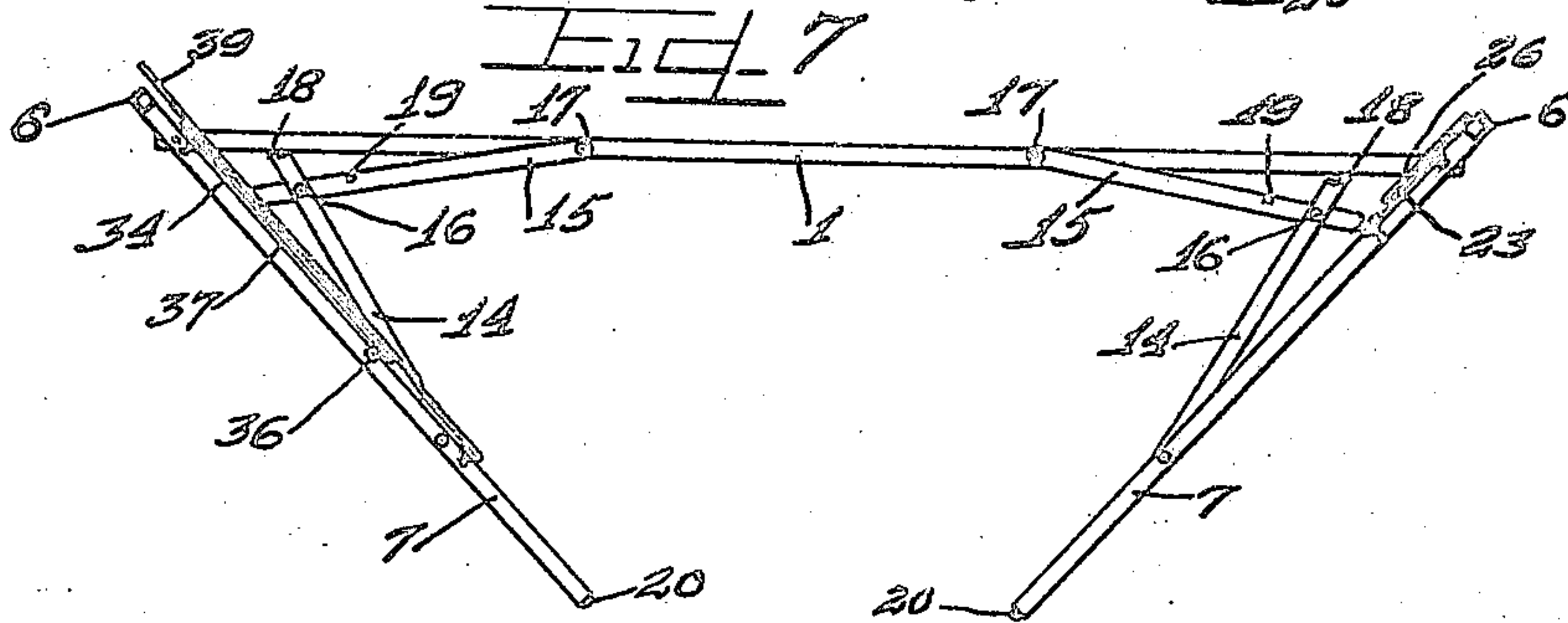


Fig. 8

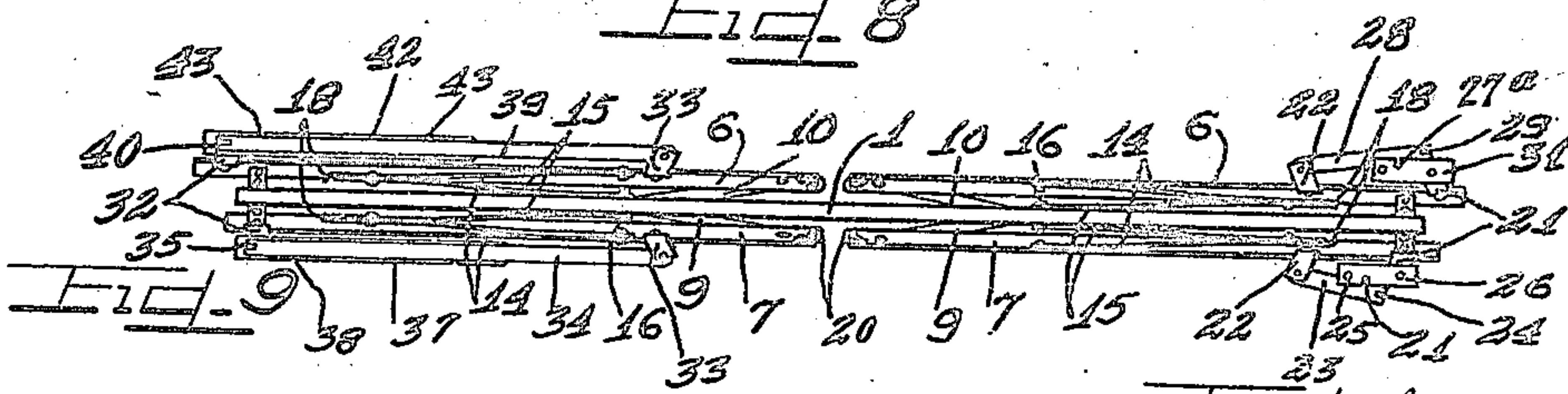


Fig. 9

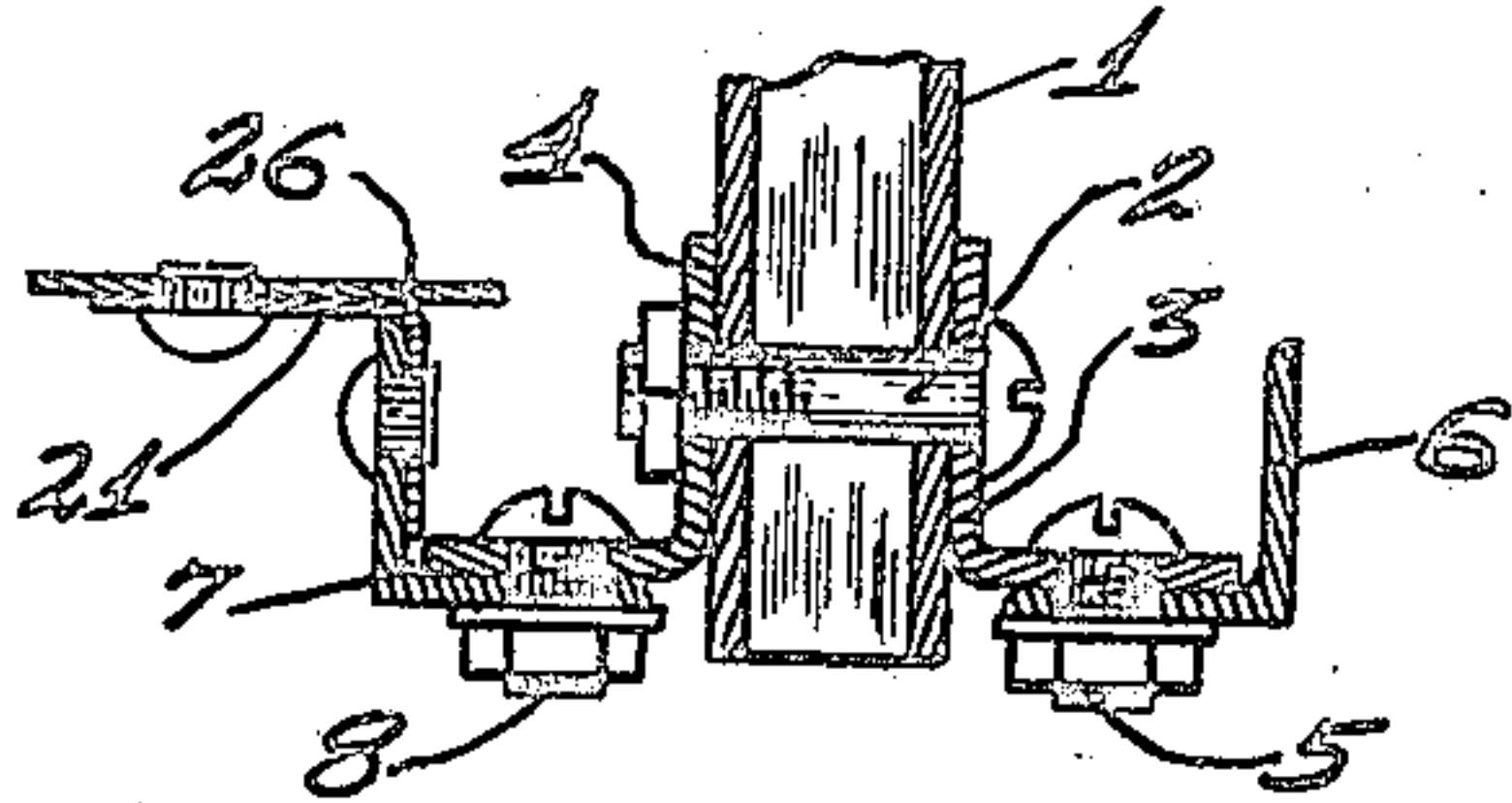
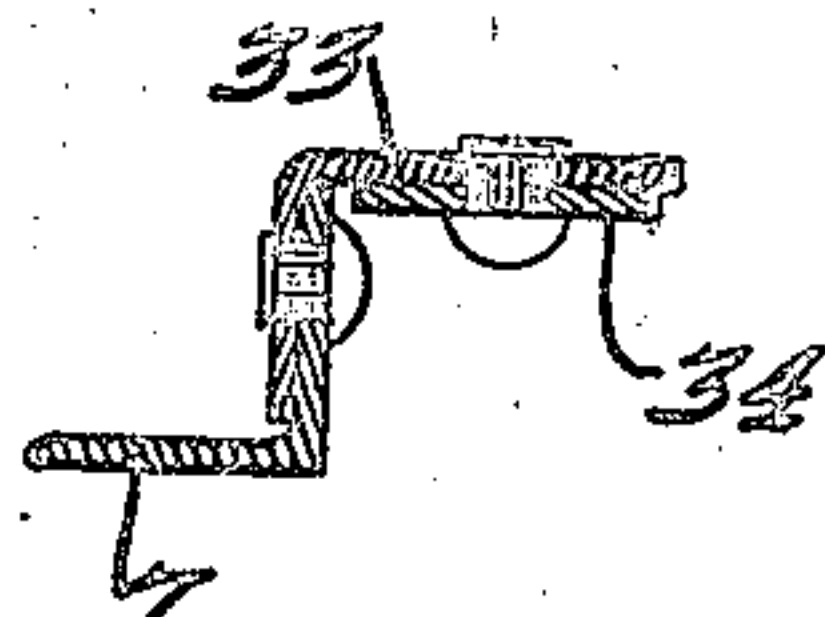


Fig. 10



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN B. KOHLER, OF CHICAGO, ILLINOIS.

XYLOPHONE STAND.

Application filed July 23, 1921. Serial No. 486,929.

To all whom it may concern:

Be it known that I, JOHN B. KOHLER, a citizen of the United States, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in a Xylophone Stand; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the numerals of reference marked thereon, which form a part of this specification.

This invention relates to an improved type of a collapsible xylophone stand adapted to be set up in a comparatively short time to support a xylophone, said stand being so constructed that the same may be conveniently folded into a compact form to allow the stand to be placed in a casing in which the xylophone is carried.

It is an object of this invention to provide a collapsible stand for supporting a plurality of xylophones.

Another object of the invention is the construction of a collapsible stand adapted to support a plurality of xylophones at different levels.

It is a further object of this invention to provide a xylophone stand wherein the xylophone supporting brackets and the end frames are adapted to be collapsed and then folded into a position substantially parallel to a connecting bar to provide a compact knock-down stand adapted to occupy a comparatively small amount of space.

It is an important object of this invention to construct a xylophone stand of simple and effective construction whereon a plurality of xylophones are adapted to be removably supported at different levels upon collapsible end frames, said brackets and end frames being adapted to be compactly folded and then swung underneath and parallel to a main connecting member to afford a compactly folded stand occupying a comparatively small amount of space.

Other and further important objects of this invention will be apparent from the disclosures in the specification and drawings.

The invention (in a preferred form) is illustrated in the drawings and hereinafter more fully described.

On the drawings:

Figure 1 is a top plan view of a double

xylophone supported on a collapsible stand embodying the principles of this invention.

Figure 2 is a side elevation thereof.

Figure 3 is an end elevation of the wide end of the device.

Figure 4 is an end elevation of the opposite end of the xylophone stand with the xylophones removed.

Figure 5 is an end elevation of the stand partly collapsed.

Figure 6 is an end view of the opposite end of the stand partly collapsed.

Figure 7 is a side elevation of the stand partly collapsed.

Figure 8 is a view of the stand completely collapsed.

Figure 9 is an enlarged fragmentary detail taken on line 9—9 of Figure 4.

Figure 10 is an enlarged fragmentary detail section taken on line 10—10 of Figure 3.

As shown on the drawings:

The xylophone stand comprises a main tube or bar 1 of a length equal to the length of the stand. Projecting diametrically through each end of the tube 1 is a bolt 2 affording a pivot support for a pair of angle brackets 3 and 4. Pivotally attached to the projecting flange of each angle bracket 3 by means of a screw bolt 5 is the upper portion of a long angle leg 6 forming one of the members of a pivoted end frame. The other leg of each end frame comprises a shorter angle leg 7, the upper portion of which is pivotally attached to the projecting flange of the angle bracket 4 by means of a screw bolt 8. Connecting the lower ends of each pair of frame legs 6 and 7 is a brace comprising two bars 9 and 10 pivotally connected to one another at 11. The outer ends of the brace bars are pivotally attached to the lower ends of the frame legs 6 and 7. Integrally formed on the inner upper corner of each brace bar 9 is a detent or lug 12 which is adapted to engage in a notch 13 provided in a brace bar 10 when the brace is in extended bracing position, as illustrated in Figures 3 and 4.

For the purpose of bracing the end frames in vertical position at right angles to the main connecting tube 1 each frame leg is connected to said tube 1 by a folding longitudinal brace comprising overlapping brace bars 14 and 15 pivotally connected at 16.

The outer or lower ends of the brace bars 14 are pivotally secured to the respective side flanges of the end frame legs 6 and 7. The outer or upper ends of the brace bars 15 for each end of the stand are pivotally engaged on a screw bolt 17. Integrally formed on the inner end of each brace bar 16 is a detent or lug 18 which is adapted to seat in a notch 19 provided in the respective brace bar 15. When the longitudinal braces are in extended positions the end frames are securely braced in upright supporting position, as illustrated in Figure 2. Each of the end frame legs 6 and 7 has secured to the lower end thereof a rubber tip or foot 20.

Rigidly secured to the upper ends of the end frame legs 6 and 7 at what will be called the treble end of the stand are upper and lower angle brackets 21 and 22. Pivotally mounted on the lower angle bracket 22 on the leg 7 is one end of a short brace bar 23, the other end of which is provided with a notch 24 adapted to be removably engaged on a pin 25 mounted near the inner end of a supporting bar 26.

The supporting bar 26 is comparatively short and is pivotally supported to the upper angle bracket 21 on said leg 7. The supporting bar 26 is provided with a notch 27 in the upper edge thereof.

Pivotally mounted on the lower angle bracket 22 on the leg 6 at one end of the stand is one end of a brace bar 28, the other end of which is provided with a notch 29 adapted to be removably engaged on a pin 30 mounted on the outer end of a supporting bar 31. The supporting bar 31 is short and is pivotally supported to the upper angle bracket 21 on said leg 6. The supporting bar 31 has a notch 27^a in the upper edge thereof. When the supporting bars 26 and 31 are braced in horizontal position, as shown in Figure 4, the bar 31 is slightly higher than the bar 26.

At the opposite or bass end of the stand two xylophone supports are mounted for the purpose of supporting the wider or bass ends of a plurality of xylophones. Rigidly secured near the upper and lower ends of each of the legs 6 and 7 are upper and lower angle brackets 32 and 33.

Pivotally mounted on the lower angle bracket 33 on the leg 7 is one end of a long brace bar 34, the other end of which is provided with a notch 35 to permit the brace bar 34 to removably engage a stud or pin 36 secured on the outer end of a supporting bar 37. The supporting bar 37 is pivotally supported on the upper angle bracket 32 of the leg 7 and is provided with two spaced notches 38. When in braced position the supporting bar 37 is at the same level as the supporting bar 26.

Attached pivotally to the angle bracket

33 on the leg 6 is the lower end of a longer brace bar 39, the outer end of which is provided with a notch 40 to removably engage a stud or pin 41 secured on the outer end of a supporting bar 42. The supporting bar 42 is pivotally connected to the upper angle bracket 32 on the leg 6 and is provided with two spaced notches 43. The supporting bar 42 is positioned at a higher level than the supporting bar 37 and in a plane with the shorter supporting bar 31 at the opposite end of the stand.

When the stand is set up the supporting bars 26 and 37 on one side of the stand afford a horizontal support for a primary or main xylophone while the supporting bars 31 and 42 on the opposite side of the stand are adapted to support a secondary or auxiliary xylophone on the stand at a higher level than the primary xylophone.

The primary xylophone comprises a tapered frame 44 having a pair of spaced pins 45 at one end to seat in the notches 38 of the supporting bar 37. A pin 46 is secured to the narrow end of the xylophone frame 44 and is adapted to engage in the notch 27 of the supporting bar 26. Supported transversely upon the xylophone frame 44 are a plurality of tone bars 47 of different lengths and tones comprising the natural tones of several octaves. The tone bars 47 are disposed above resonators 48 supported by the frame 44.

The secondary xylophone embraces a tapered frame 49 having a pair of spaced pins 50 at the wide end thereof to removably engage in the notches 43 of the supporting bar 42. A pin 51 is secured to the narrow end of the xylophone frame 49 and is adapted to be removably engaged in the notch 27^a of the supporting bar 31. Supported transversely upon the xylophone frame 49 are a plurality of tone bars 52 of different lengths and tones comprising the sharps for the tones on the frame 44. The tone bars 52 are positioned above resonators 53 supported on the frame 49.

It will be noted that the stand may be readily set up to afford supports for a plurality of xylophones at different levels for convenience in playing. The improved stand is made of metal and when the same is set up for use it is thoroughly braced to afford a rigid support for xylophones.

To collapse the stand the xylophones are first removed from the supporting brackets after which the brace bars 23, 28, 34 and 39 at each end of the stand are disengaged from the respective pins or studs 25, 30, 36 and 41 on the respective supporting bars 26, 31, 37 and 42. The brace bars and the supporting bars are then swung inwardly into substantially parallel relation to the legs 6 and 7 of the end frames. The leg braces 9-10 are next forced upwardly to disengage the

lugs 12 from the notches 13. The braces 9—10 are thus folded thereby drawing the legs 6 and 7 at each end of the stand toward one another into substantially parallel relation. By breaking or folding the longitudinal frame braces 14—15, said braces thereby draw the folded end frames inwardly under the connecting tube 1 into the position illustrated in Figure 8. It will thus be noted that the stand may be easily folded into a compact knock-down form to permit the same to occupy a comparatively small amount of space so that the same may be packed away within a suitable casing wherein the xylophones are also adapted to be carried.

When the stand is exceptionally long the connecting tube 1 may be constructed of pivotally connected or telescoping sections.

I am aware that numerous details of construction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted otherwise than necessitated by the prior art.

I claim as my invention:

1. A xylophone stand comprising a connecting member, legs pivotally connected to the ends thereof, said legs adapted to be pulled outwardly transversely of the connecting member into inclined position, a collapsible brace pivotally connecting the legs at each end of the stand, collapsible braces

pivotally connecting each of said legs with said connecting member, notched xylophone supports pivotally connected to the upper ends of said legs, and braces pivotally attached to said legs adapted to removably engage said supports to hold the same braced in position to permit xylophones to be supported thereon.

2. An instrument stand comprising a longitudinal member, angle brackets pivotally mounted on each end of said longitudinal member, legs pivotally connected to said angle brackets, folding braces connecting the legs at each end of the stand, folding braces connecting said legs to said longitudinal member, upper and lower angle brackets rigidly secured to each of said legs, notched supporting bars pivotally connected to the upper angle brackets on said legs, studs on said supporting bars, and brace bars pivotally connected to the lower angle brackets on said legs, said brace bars having notches therein adapted to engage said studs to hold the supporting bars braced in extended position for use.

In testimony whereof I have hereunto subscribed my name in the presence of two subscribing witnesses.

JOHN B. KOHLER.

Witnesses:

FRED E. PAESLER,
JAMES M. O'BRIEN.