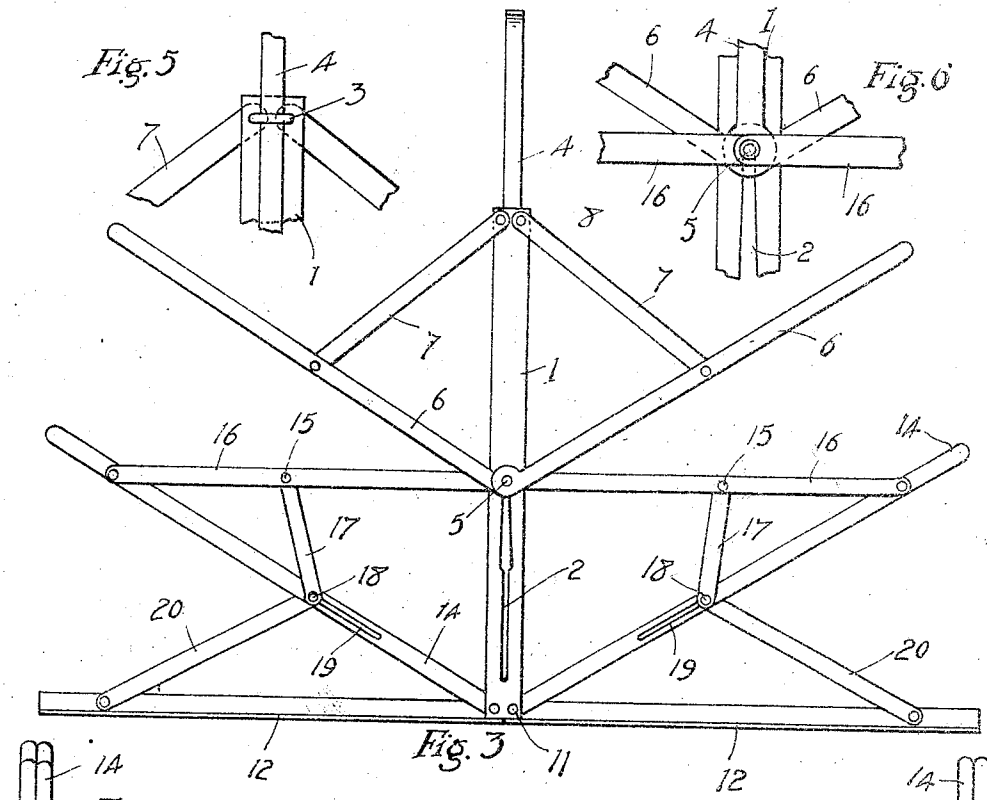
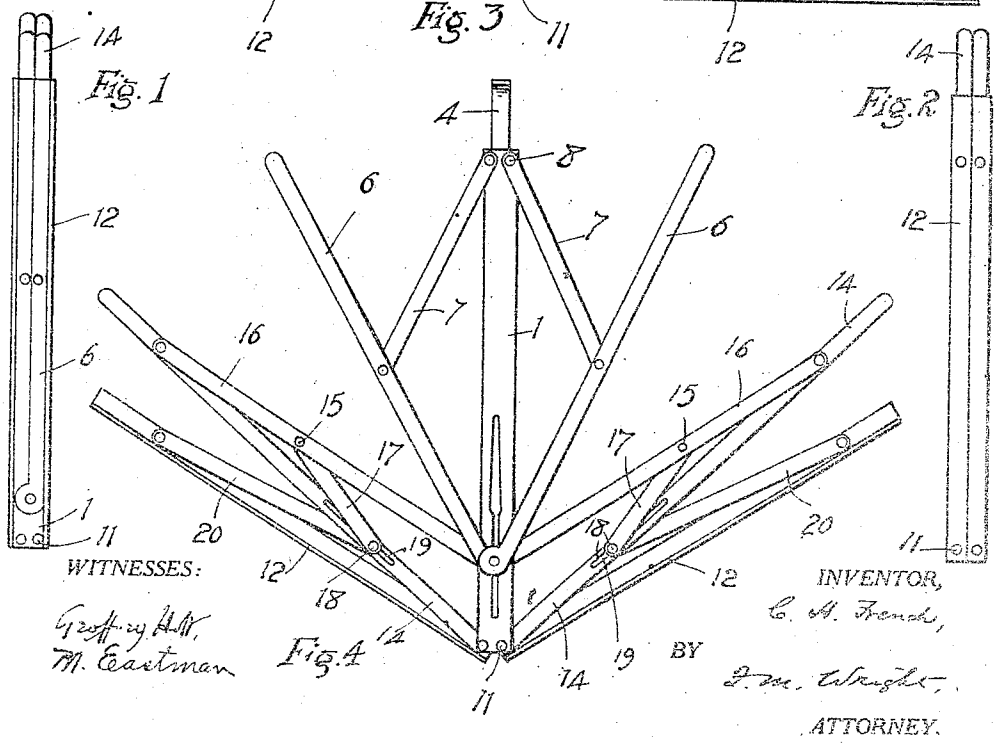
No. 875,421. PATENTED DEC. 31, 1907.

C. H. FRENCH.

SHEET HOLDER FOR MUSIC STANDS AND THE LIKE.

APPLICATION FILED APR. 25, 1907.





WITNESSES:

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UNITED STATES PATENT OFFICE.

CLINTON H. FRENCH, OF SAN FRANCISCO, CALIFORNIA.

SHEET-HOLDER FOR MUSIC-STANDS AND THE LIKE.

No. 875,421. Specification of Letters Patent. Patented Dec. 31, 1907.

Application filed April 25, 1907. Serial No. 370,198.

To all whom it may concern:

Be it known that I, CLINTON H. FRENCH, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented new and useful Improvements in Sheet-Holders for Music-Stands and the Like, of which the following is a specification.

The object of the present invention is to provide a collapsible sheet holder for music stands and the like, which shall be simple in construction and operation, and neat and attractive in appearance, occupy but small space when collapsed, and provide a comparatively large extent of supporting surface.

In the accompanying drawing, Figure 1 is a front view of the sheet holder collapsed; Fig. 2 is a rear view of the same; Fig. 3 is a front view on a reduced scale of the holder extended; Fig. 4 is a similar view showing it partly extended; Fig. 5 is a rear broken view of the same; Fig. 6 is a broken rear view of the ends of the upper arms.

Referring to the drawing, 1 indicates the central stem of the holder, having formed in its lower portion a slot 2, and provided at the top on the back, with a guide or loop 3. The upper end of said slot 2 tapers upwards, for the purpose of attachment to a tapering key on a music stand, as is common. Guided in the loop 3 is a sliding rod 4, to the lower end of which is attached a pin 5, which slides in the slot 2, and on which are pivoted, in front of the central stem, arms 6, pivotally connected to links 7, which are themselves pivotally connected, as shown at 8, to the upper end of the stem. Upon moving the sliding rod 4 downwards, so that the pin 5 slides downwards in the slot 2, the arms 6 and the links 7 are collapsed, and fold up in front of said central stem.

Pivoted on the lower end of the stem as shown at 11, are angular base plates 12, and likewise pivoted on said pivots 11 are arms 14, which arms are pivotally connected, as shown at 15, with links 16 also connected to the pivot pin 5. It results that, upon depressing the sliding rod 4, the arms 14 and the links 16 are collapsed behind the central stem. Pivotally connected with said links 16 are toggle arms 17, connected to pins 18 which move in slots 19 in the arms 14, said pins 18 being also connected by toggle arms 20 with the base plates 12. By reason of this construction, when the pin 5 descends in the slot 2, the pins 18 are forced downwards or inwards in the slots 19, the effect being to draw the base plates inwards, so that, in the terminal position of the pin 5, said base plates are collapsed behind and around the other parts of the device.

From the above description of the construction the mode of operation will be readily understood. To open the sheet holder it is only necessary to draw upwards the slide rod 4. This moves the pin 5 in the slot 2, and causes the parts to spread and assume the position shown in Fig. 3. In like manner all of the parts are collapsed by pushing down the slide rod. For the purpose of conveniently depressing said rod, its end is bent forward to form a finger piece 22.

It will be readily seen that the operation of the device is very simple; that when extended the arms assume such positions as to give a large extent of supporting surface, evenly distributed; that there are no weak parts where strength is required, and that the device occupies but a small space when collapsed.

I claim:—

1. A sheet holder comprising base plates, a central stem, a pin movably engaging said stem, upper arms pivoted upon said pin, links pivoted to said arms and to the upper end of said stem, lower arms pivoted at the lower end of the stem, and links connected to said arms and to said pin, substantially as described.

2. A sheet holder comprising a central stem, a pin movably engaging said stem, upper arms pivoted upon said pin, links pivoted to said arms and to the upper end of said stem, lower arms pivoted at the lower end of the stem, links connected to said arms and to said pin, base plates pivoted upon the lower end of the stem, and means actuated by the spreading of a pair of said arms for simultaneously spreading said plates, substantially as described.

3. A sheet holder comprising a central stem, a rod slidable thereon, a pin attached at the lower end of the rod and guided by the stem, upper arms pivoted upon said pin, links pivoted to said arms and to the upper end of said stem, lower arms pivoted at the lower end of the stem, links connected to said arms and to said pin, and base plates pivoted upon the lower end of the stem substantially as described.

4. A sheet holder comprising a central

stem, a pin movably engaging said stem, an upper pair of arms pivoted upon said pin, a pair of links pivoted to said arms and to the upper end of the stem, a lower pair of slotted arms pivoted to the lower end of the stem, a pair of links connecting the slotted arms with said pin, base plates pivoted at the lower end of stem, and toggle arms connected to the base plates and to the last mentioned links, the pivots of said toggle arms moving in the slots of said slotted arms, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

CLINTON H. FRENCH.

Witnesses:
C. L. HOWE,
D. B. RICHARDS.