

A. R. Nettleton.
Book Support

Nº 96,026.

Patented Oct. 19, 1869.

Fig: 1.

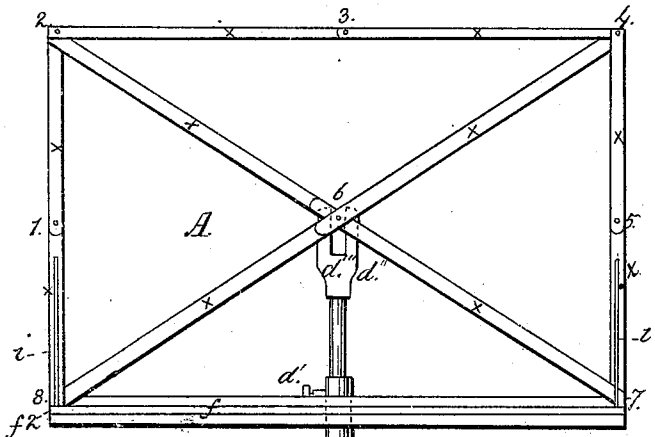


Fig: 2.

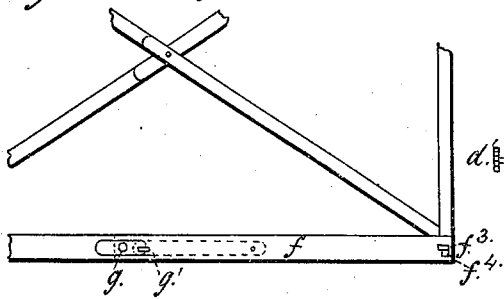


Fig: 3.

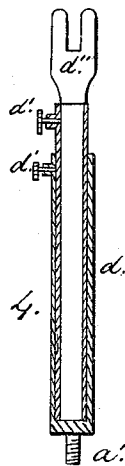
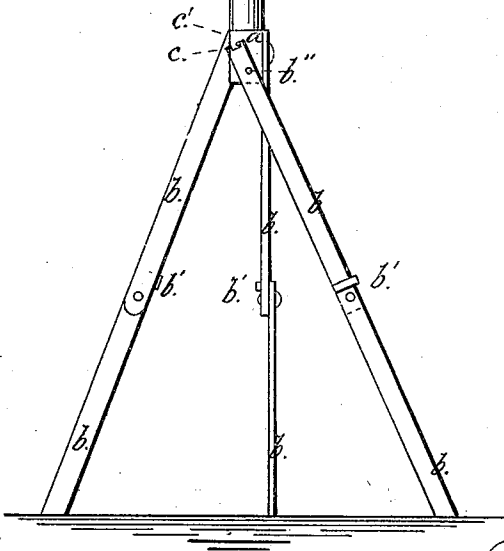


Fig: 4.



Fig: 5. $A \neq$



Witnesses.

H. Lorthrop
Newton Woodruff.

Inventor

A R Newton

United States Patent Office.

A. R. NETTLETON, OF UNIONVILLE, CONNECTICUT.

Letters Patent No. 96,026, dated October 19, 1869.

IMPROVED MUSIC-STAND.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, A. R. NETTLETON, of Unionville, county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in Music-Stands; and to enable others skilled in the art to make the same, I will proceed to describe its construction and operation, referring to the drawings, in which the same letters indicate like parts in each of the figures.

The nature of this invention consists in so jointing the parts together that they may be expanded, to occupy and answer the purpose and convenience of the common music-stands for use, and so that it can be quickly and easily folded or compressed into about the space of one foot in length and three or four inches square or diameter, thereby rendering it compact for transportation, simple and cheap of construction, and convenient for use.

In the accompanying drawings—

Figure 1 is a side and front elevation.

Figure 2 is a portion of the sheet-holder.

Figure 3 is an end section of the sheet-holder, showing one of the fingers by which the sheet is held, and its mode of construction.

Figure 4 is a section view of the standard.

Figure 5 represents the sheet-holder folded closely together.

a is a three-sided hub, having in its upper end a screw-threaded socket, to receive a screw, *a'*, formed on the lower end of the standard.

The legs *b* are each made in one or two parts, flat or concave shape, and when made in two parts, are jointed near the centre, so that they may close together when turned in one direction, and when opened in the opposite direction, as when in use, will be rigid, by means of the lips *b'* near the upper end of the lower portion of the legs.

The upper ends of these legs so formed are jointed to the side of the hub *a*, by means of screws or pins *b''*.

These legs are provided with depressions *c*, one side of which bears against the pin *c'* in the hub *a*, and just above the fastening-pin or screw *b''* of the legs, when closed together in a straight line with the standard, and the other also bears against the pin *c'*, when the legs are expanded as shown, (see fig. 1,) thus rendering the legs rigid while in their proper position for use.

The standard *d* is wholly or mostly made of tubing, one part fitting closely inside of the other, so that one or both parts (more or less in number) may be adjusted and secured in any desired position, by means of set-screws *d'*.

The upper end of this standard is provided with a

clutch, *d''*, by means of which the sheet-holder is held in its proper place and position.

A is a sheet-holder, made of sheet-metal.

f is a boxing, the bottom and back of which are of about equal width, having a lip, *f'*, turned up in front.

This boxing is also jointed at *g*, and is held in a rigid straight position, by means of a spring-catch, *g'*.

The frame of this holder is made of several pieces *x*, of sheet-metal, and pivoted together at 1, 2, 3, 4, 5, 6, 7, and 8, and the whole frame secured by one corner to one end *f''* of the boxing *f*, while a button, *f''*, passes through a slot, *f''*, and turned, which fastens the framework in position for use.

i are swinging or movable spring-fingers, secured at each end of the boxing *f*, so that when the sheet of music is placed between the frame and the fingers, it will be firmly held in position.

As a modification of the above, by forming a slit near the inner end of one of the diagonal pieces *x*, which extend across from one corner of the frame to the other corner, and securing the outer ends to the frame, and also by forming a slit in the inner end of one of the other pieces *x*, which extend diagonally from one corner to the other, across the first, and the outer ends secured to the frame, while all four of the inner ends are held in position in the centre, by means of a pin or rivet, and the two slitted pieces allowed to play upon said pin or rivet.

Thus the frame may be freely opened and closed, without the use of a button, or detaching any one part thereof from another.

Also, that the centre-joint of the top bar may be dispensed with, and a single bar, in one piece, may be hinged at the two upper corners, which will fully answer every purpose to allow the frame to be freely opened for use, and easily closed into the boxing *f*.

Thus it will be seen, that when it is desirable to lay aside the stand, by turning down the fingers into the boxing, and releasing the button *f''* from its slit-opening *f''*, the frame will then hang by one corner to one end *f''* of the boxing *f*, when the whole frame can be easily and quickly closed up into the boxing, and one portion of the box closed over the other into a compact form, and by loosening the set-screws *d'* in the stock *d*, one part will be compressed, one into the other.

Then, by turning the standard or the screw *a'* out of the hub-socket *a*, another compact portion of the stand will be formed.

Then, by closing the legs together, and turning the lower portion of each leg around over the upper

portion, successively, of each leg, a third compact portion of the stand will be produced.

Then, by placing the three portions together, the whole will be brought into a small, compact compass.

I believe I have thus shown the nature, construction, and operation of this invention, so as to enable others skilled in the art to make and use the same therefrom.

What I claim, and desire to secure by Letters Patent, is—

The combination of the sheet-holder A, standard *d*, hub *a*, and legs *b*, substantially as set forth.

A. R. NETTLETON. [L. s.]

Witnesses:

H. NORTHROP,
NEWTON WOODRUFF.