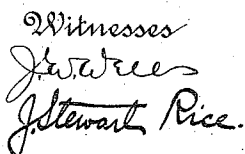


985,294.

2 SHEETS—SHEET 1.



Ernest W. Senecal.

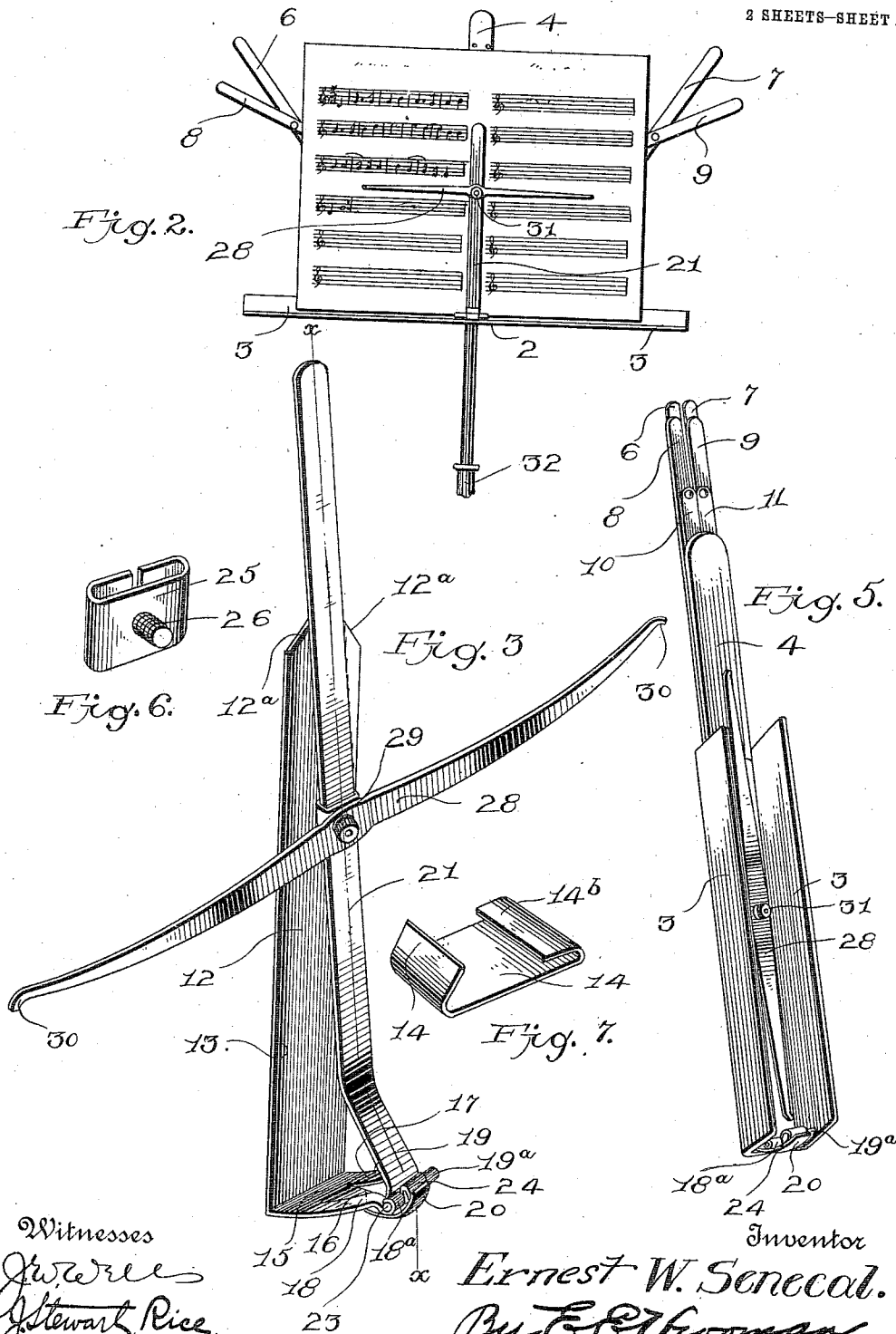
By E. E. Vrooman,
his Attorney.

E. W. SENECAI.
HOLDING ATTACHMENT FOR RACKS.
APPLICATION FILED NOV. 24, 1909.

985,294.

Patented Feb. 28, 1911

2 SHEETS-SHEET 2.



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UNITED STATES PATENT OFFICE.

ERNEST W. SENECA, OF RUTLAND, VERMONT.

HOLDING ATTACHMENT FOR RACKS.

985,294.

Specification of Letters Patent. Patented Feb. 28, 1911.

Application filed November 24, 1909. Serial No. 529,754.

To all whom it may concern:

Be it known that I, ERNEST W. SENECA, a citizen of the United States, residing at Rutland, in the county of Rutland and State of Vermont, have invented certain new and useful Improvements in Holding Attachments for Racks, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in holding attachments for music and other racks, and has for its object to provide means which can be readily attached to a rack and which will firmly hold sheets of music, etc., on the rack without in any way interfering with the reading of the music, etc., or handling the same.

My holding attachment will not be in the way nor in any manner detract from the appearance of the rack nor interfere with its manipulation.

Other objects and advantages of my invention will appear in the course of the following specification.

In the accompanying drawings: Figure 1 is a perspective view of a music rack with my holding attachment applied thereto, together with a portion of the supporting means for the rack. Fig. 2 is a front elevation of the music rack with a sheet of music thereon illustrating the manner in which the holding attachment maintains the same in position. Fig. 3 is a perspective view of the holding attachment. Fig. 4 is a longitudinal sectional view on the line $x-x$ of Fig. 3. Fig. 5 is a perspective view of the music rack and holding attachment in a folded position. Fig. 6 is a perspective view of the adjustable slide mounted on the auxiliary arm of the holding attachment. Fig. 7 is a perspective view of the adjustable slide employed to secure the holding attachment to the music rack.

Referring to the drawings, which illustrate the preferred embodiment of my invention, 1 designates a rearwardly-inclined music rack of the folding type, the bottom or supporting ledge 2 of which comprises a pair of oppositely-extending bottom members each designated 3. The members 3, 3 are correspondingly shaped and are substantially right angular in cross section and have their inner or opposite ends pivotally connected to the back of the lower end of the upwardly-extending central support or arm

4 of the rack 1. The bottom members 3, 3 are each provided in their upper edges with a cut-out portion 5 to facilitate the folding of the rack. To the inner or front side of each of the bottom members 3, 3 near their outer ends, are pivotally connected the lower ends of two oppositely or outwardly-inclined arms or bars 6 and 7, which extend upwardly in the same plane as the central arm 4. To the rear of and about the center of the arm 4 are pivotally connected the lower ends of two oppositely, or outwardly, upwardly inclined arms or bars 8 and 9, which, a short distance from their outer ends, are pivotally connected to the front sides of the bars 6 and 7. To the back and near the top of the central arm 4 are pivotally connected the upper ends of a pair of oppositely and downwardly-inclined toggles 10 and 11, which are pivotally connected to the arms 8 and 9 just in front of their point of connection with the arms 6 and 7.

Adapted to be releasably secured to the central arm 4 of the rack, 1, is the fixed or stationary arm 12 of a holding attachment 13. The fixed arm is, preferably, of a width corresponding to that of the central arm of the music rack, and is provided at its upper end with oppositely-beveled sides 12^a. The fixed arm is secured in position by means of an adjustable slide 14 which is best illustrated in Fig. 7. The slide is constructed of a piece of sheet metal having its ends 14^a and 14^b bent around and over to embrace the central arm 4 and the stationary arm 12 of the holding attachment with sufficient friction to remain in the position to which it is moved. In order to facilitate the ready placing of the slide on the central arm 4, one end thereof, as 14^a, is inwardly and upwardly inclined at an angle to the body of the slide. The lower end portion 15 of the fixed arm of the holding attachment is bent at right angles to conform to the inside of the supporting ledge 2. The end portion 15 is cut into longitudinally, as at 16 and 17, near each edge, thereby forming two narrow outside strips or fingers 18 and 19 and a central finger or tongue 20 of greater width. The ends of the two outside fingers 18 and 19 are turned up and over upon themselves to form oppositely-disposed eyes 18^a and 19^a. The tongue 20 is bent or curved outwardly and then upwardly at its end and is approximately bow-shaped in longi-

tudinal section, as best shown in Fig. 4, and has sufficient elasticity to serve as a spring, as hereinafter explained.

Pivottally mounted on the fixed or stationary arm 12, and, preferably, of greater length and less width, is a movable or auxiliary arm 21 which is bowed in slightly near its lower end, as illustrated. The auxiliary arm 21, near its lower end, is bent to form a loop 22, which registers with the eyes 18^a and 19^a and through these registering members passes a pivot pin 23. The extreme end of the auxiliary arm is bent down abruptly to form a depending lug or projection 24, which co-acts with the spring tongue 20, which is located beneath and back of the lug, to maintain the auxiliary arm in a raised position. The tongue 20 also prevents the auxiliary arm from falling below a horizontal position by contacting with the back thereof when it is in the position shown in Fig. 1. Slidably mounted on the auxiliary or movable arm 21 is an adjustable slide 25 best shown in Fig. 6. The slide 25 is, preferably, formed of a piece of sheet metal, the ends of which are bent around to embrace the auxiliary arm with sufficient friction to hold the slide in the position to which it is moved. Suitably secured to the back of the slide and projecting therefrom is a threaded cylindrical projection 26. Pivottally mounted on the threaded cylindrical projection 26 by means of a central perforation 27 through which it projects is a cross arm 28. The cross arm 28 is substantially bow-shaped with the ends of the bow extending toward the rack 1 and comprises an enlarged central portion 29 from which it is tapered in opposite directions to its ends, which are turned backward, as at 30, 30, in order that only small and smooth portions of the cross arm will rest against the sheet

of music, etc. The cross arm is held in adjusted positions by means of a thumb-nut 31.

As illustrated, the rack 1 carrying the holding attachment is supported by a suitable stand 32. When it is desired to fold the rack together with the holding attachment all that it is necessary to do is to loosen the thumb-nut 31 and turn the cross arm 28 until it is parallel with the auxiliary arm 21 in which position it can be secured by the thumb-nut 31, and then the rack can be folded to assume the position shown in Fig. 5 with the holding attachment 13 lying against the central arm 4 and between the bottom members 3, 3 comprising the ledge 2.

What I claim is:

A music holder comprising the ledge with a support pivottally mounted thereon, a stationary arm connected to said support and having its lower end bent to conform to the shape of said ledge, said end being extended outwardly from said ledge and having an incut therein to provide oppositely disposed fingers which are bent to provide eyes, said incut also providing a central longitudinal tongue which is bowed upwardly, an auxiliary arm having its inner end bowed downwardly and adapted to contact with said upwardly bowed tongue, said auxiliary arm also having a loop formed contiguous with its bowed portion which is pivoted to said eyes, and a cross arm slidably mounted on the auxiliary arm and having its opposite ends bent outwardly.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

ERNEST W. SENECAI.

Witnesses:

CHAS. L. HOWE,
JAKE HEYMAN.