J. G. ARCARO AND T. C. FURR.

ASSORTING DEVICE.

APPLICATION FILED JULY 16, 1921.

1,419,485. Patented June 13, 1922.

FIG. 1.

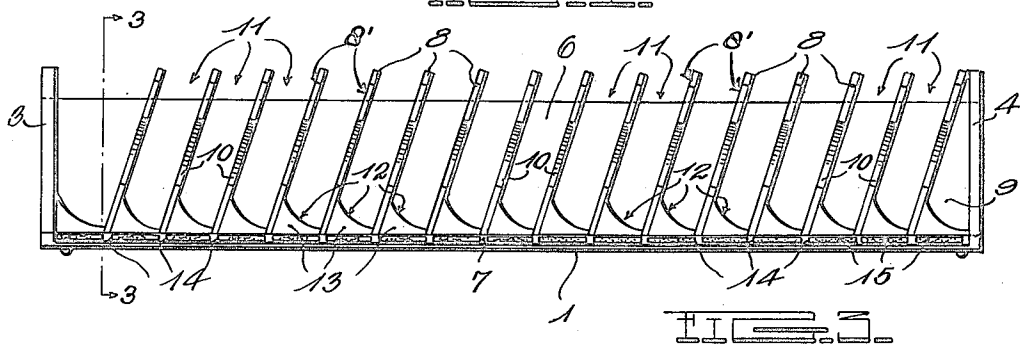


FIG. 3.

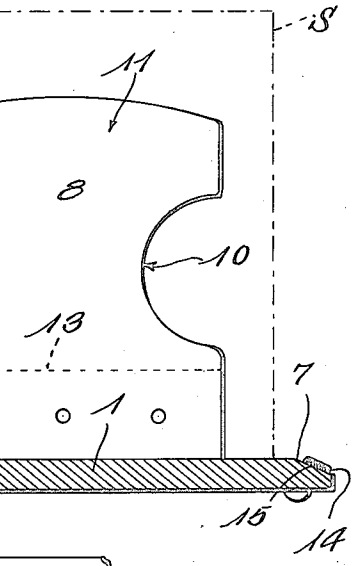


FIG. 2.

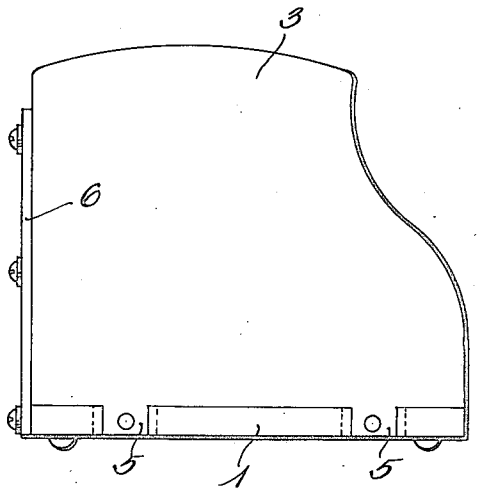


FIG. 4.

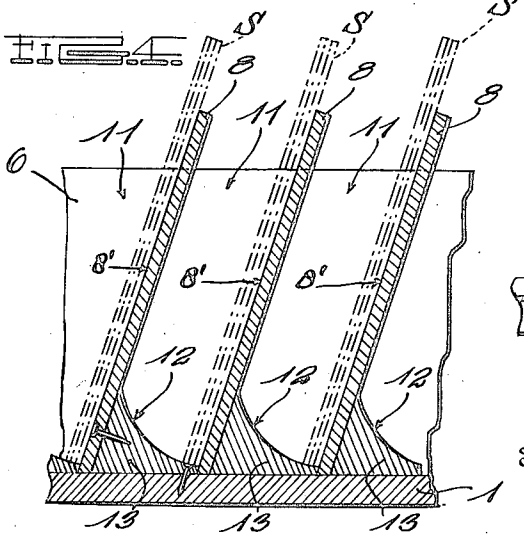


FIG. 5.

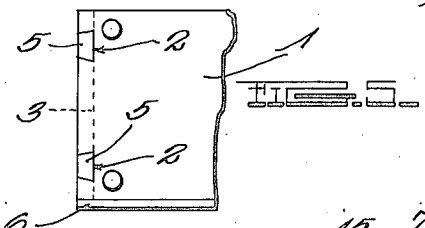
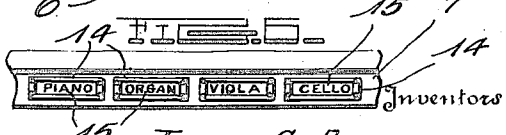


FIG. 6.



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ASSORTING DEVICE.

1,419,485. Specification of Letters Patent. Patented June 13, 1922.

Application filed July 16, 1921. Serial No. 485,336.

To all whom it may concern:

Be it known that we, JAMES G. ARCARO and TURNER C. FURR, citizens of the United States, residing, respectively, in Washington, in the District of Columbia, and Rosslyn, in the county of Arlington and State of Virginia, have invented certain new and useful Improvements in Assorting Devices, of which the following is a specification.

This invention relates to a device capable of being used for assorting various kinds of papers and the like, but it is especially designed for use by orchestra directors for assorting orchestrations into folios for the various players and for assorting or separating the folios of the various parts back into the orchestrations.

Heretofore, orchestra directors in order to assort orchestrations into folios for the various players according to a selected program have had to lay the parts of the orchestrations in separate piles flat upon tables or the like, and in order to separate the folios and assort the parts back into the orchestrations, they have had to follow the same procedure. Such a procedure is very undesirable, especially in the case of a large orchestra, as considerable table space is necessary to carry it out, and in addition to this, it takes an unnecessary amount of time. The present invention avoids such an undesirable method, since it consists of a compact rack-like device designed to be placed upon a table or the like across one side or end of the same, the device being provided with compartments into which the various parts of the orchestrations may be placed and stacked according to the order of the selected program and formed into folios for the various players.

The compartments of the device are formed by partitions which are arranged obliquely so as to cause the sheets of music as they are inserted into the compartments to instantly slide or pass to one side of the compartments, thus causing the parts of the orchestrations to be stacked in the same order in all the compartments. This quick movement of the sheets to one side of the compartments is facilitated by providing the bottoms of the compartments with inclined ways, which serve the additional function of preventing the curling of the lower ends of the sheets, which, of course, is a very desirable feature of the device.

The invention resides in the novel features of construction, and the combination and arrangement of parts, hereinafter fully described and claimed, and shown in the accompanying drawing.

In the drawing:—

Fig. 1 is a front elevation of a device constructed in accordance with the invention;

Fig. 2 is an elevation of the device;

Fig. 3 is a transverse sectional view of the device taken on the plane indicated by the line 3—3 of Fig. 1;

Fig. 4 is an enlarged vertical longitudinal sectional view of the device;

Fig. 5 is an elevation of a portion of the bottom of the device; and

Fig. 6 is a front view of a portion of the forward edge of the base of the device.

In the drawing similar reference characters are used to designate corresponding parts throughout the several views.

Referring more particularly to the drawing, the numeral 1 represents the base of the device. This is shown as consisting of a flat rectangular board having each of its ends provided with dovetail notches 2. The numerals 3 and 4 represent end boards, which rest in upright positions upon the end portions of the base 1, and which are provided with dovetail tongues 5 fitted into the notches 2. Screwed or otherwise suitably secured to the rear edges of the base 1 and the end boards 3 and 4 is a back board 6. The front edge of the base 1 is beveled as indicated at 7 for a purpose which is hereinafter described.

Fixedly mounted upon the base 1 and also preferably screwed or otherwise suitably secured to the back plate 6 is a plurality of spaced parallel transverse partition plates 8. These plates 8 are arranged obliquely and they all slant toward one end of the base, one of the end-most plates contacting with the end board 4 and forming with the latter a pocket 9. The front edges of the plates 8 are provided with semi-circular notches 10, and the base 1 extends beyond the front edges of the plates 8.

The plates 8 divide the space between the end boards 3 and 4 into a plurality of oblique compartments 11, the bottoms of which are formed by curved inclined ways 12,

which slant toward the other end of the base 1, that is, the end of the base 1 opposite from the end toward which the plates 8 slant. The ways 12 are preferably in the form of blocks 13, which are substantially triangular shaped in cross section, and are preferably nailed and glued or otherwise suitably secured to the base 1 and to the plates 8.

Fixed upon the beveled edge 7 of the base 1 are suitable guards, frames or keepers 14 for cards 15 marked with the names of the instruments of the orchestra to constitute individual indicators for the compartments 11, an indicator being disposed adjacent each compartment.

In using the device it should be placed upon a horizontal support, such as across one side or end of a table or the like with the front of the device next to the user. The user may then while standing or seated assort or separate the orchestrations according to the order of the selected program into the various parts by placing them into the indicated compartments and thus without leaving his position form the folios for the variout players of the orchestra. In a like manner the folies may be assorted or separated back into the orchestrations.

The sheets of music may be quickly placed in the compartments without exercising much care except to place them right side out and up and into the right compartments, since the sheets as they are placed in the compartments move, slide and tilt over toward and against the uppermost faces 8′ of the oblique plates 8 and slide down the inclined ways 12. The inclined ways thus facilitate the quick positioning and stacking of the sheets in one side of the compartments against the uppermost faces 8′ of the plates 8, but they also serve the very important function of preventing the lower ends of the sheets from curling.

The pocket 9 may be used for storage purposes, for instance, for storing pencils, paper, etc.

The approximate size of the sheets of music with respect to the size of the plates 8 may be seen from Figs. 3 and 4, in which the letter S denotes the sheets. From Fig. 3 it will also be seen that the notches 10 permit the sheets S to be grasped by the user of the device without interference by the plates 8.

From the foregoing description taken in connection with the accompanying drawing it will be seen that the objects of the invention have been effectively carried out in a simple and inexpensive manner, but since numerous changes in form, proportion and in the minor details of construction may be made without departing from the spirit and principle of the invention, it is to be understood that such may be done within the meaning and scope of the following claims.

What is claimed is:—

1. A device of the class described comprising a base, oblique partitions supported upon said base and forming oblique compartments, and inclined bottoms for said compartments, the inclined bottoms of said compartments and said partitions slating toward opposite directions, whereby to cause sheets as they are inserted into said compartments to slide toward and stack against the uppermost faces of said partitions and to prevent the lower ends of the sheets from curling.

2. A device of the class described comprising a horizontal base, a plurality of spaced oblique transverse partition plates supported upon said base, all of said plates being slanted toward one end of said base and forming a plurality of oblique compartments, and inclined ways supported upon said base between said plates and forming the bottoms of said compartments, all of said ways being slanted toward the other end of the base, whereby to cause sheets as they are inserted into said compartments to slide toward and stack against the uppermost faces of said plates and to prevent the lower ends of the sheets from curling.

3. A device of the class described comprising a horizontal base, a plurality of spaced oblique transverse partition plates fixed upon said base, all of said plates being slanted toward one end of said base and forming a plurality of oblique compartments, and curved inclined ways fixed upon said base between said plates and forming the bottoms of said compartments, all of said ways being slanted toward the other end of said base, whereby to cause sheets as they are inserted into said compartments to slide toward and stack against the uppermost faces of said plates and to prevent the lower ends of the sheets from curling.

In testimony whereof we affix our signatures.

JAMES G. ARCARO.
TURNER C. FURR.