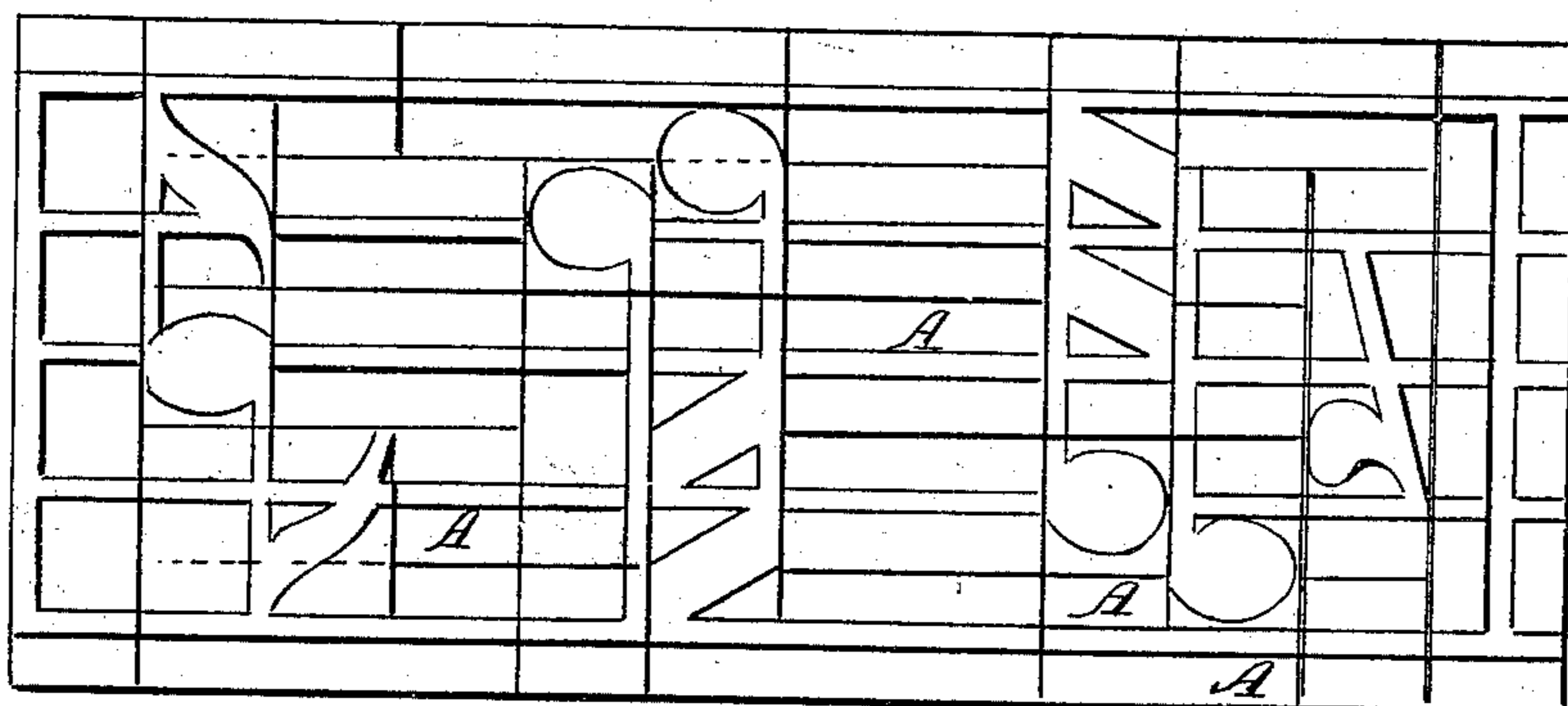


*E. L. Balch,*  
*Type.*

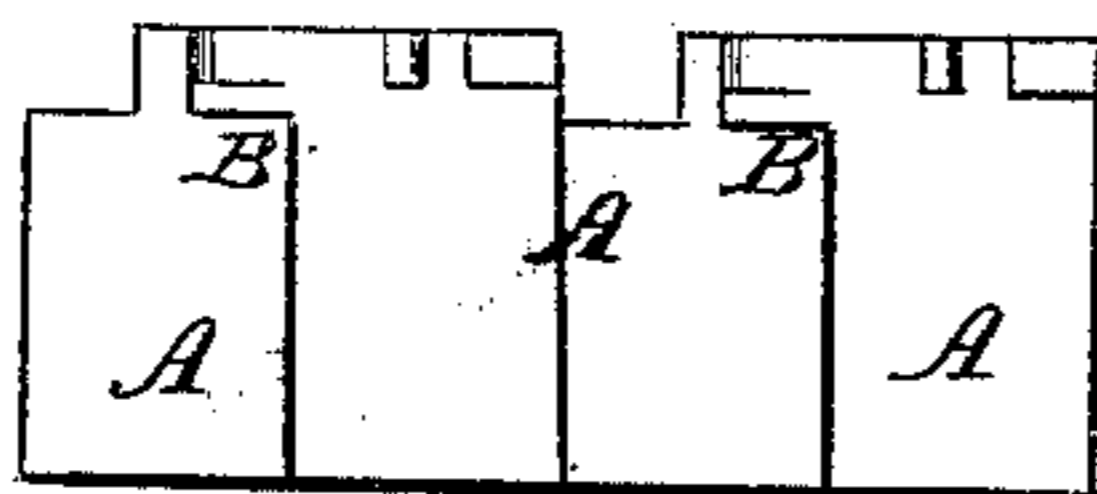
*No. 72,855.*

*Patented June 16, 1868.*

*Fig. 1.*



*Fig. 2.*



*Witnesses,*  
*Theo. Inoche,*  
*J. A. Service*

*Inventor,*  
*E. L. Balch*  
*Per Munn & Co.*  
*Attorneys*

# United States Patent Office.

EDWARD L. BALCH, OF BOSTON, MASSACHUSETTS.

*Letters Patent No. 78,855, dated June 16, 1868; antedated June 4, 1868.*

## IMPROVEMENT IN MUSIC-TYPE.

*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, EDWARD L. BALCH, of Boston, in the county of Suffolk, and State of Massachusetts, have invented a new and improved Music-Type, and that the following description, taken in connection with the accompanying drawings, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvements, by which my invention may be distinguished from all others of a similar class, together with such parts as I claim, and desire to have secured to me by Letters Patent.

The present invention relates to a type for printing music-charts for use in schools, seminaries, &c., the object of the invention being to print such charts with ligneous type, as with movable metallic types, and as the distance at which the charts are required to be seen and read is great, thick and heavy lines for the musical staff, as well as the stems of the notes, are required, which fact has necessitated a peculiar construction of the type, to be now described, whereby they could be joined and connected together, so as to produce a chart or print of the perfectness and evenness of lines and notes desired.

In the accompanying plate of drawings my improved wooden type is illustrated—

Figure 1 being a plan view of a series of types constructed according to the present invention, which type are place or set together, so as to more fully show the present invention; and

Figure 2 an end view of four types placed alongside of each other, in which view the jointing of the types together is shown.

A, in the drawings, represents a series of wood types made according to the present invention, the musical characters of which correspond with those now in common use; and in order that the types A may be joined together, so as to produce continuous and unbroken lines for the musical staff, and at the same time secure the interposition of the notes, as desired, I form such ones of the types as may be found necessary to secure their perfect setting up, with right-angular shaped shoulders, B, as shown more particularly in fig. 2, to allow them to so overlap each other as to produce the print or impression desired.

In these wooden types, right-angular or square-shaped shoulders are necessary, and they must be of same thickness, or otherwise, in taking an impression, the wood would be apt to be clipped or broken off, from the pressure then upon them.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

The wooden type for printing musical charts, provided with right-angular shoulders B, overlapping each other, whereby continuous and unbroken lines for the musical staff and notes are formed, as herein shown and described.

Witnesses:

JOHN HAYES,  
WM. L. BALCH.

EDWARD L. BALCH.