

B. Bishop.

Violin.

Nº 73569

Patented Jan. 21, 1868.

Fig. 1.

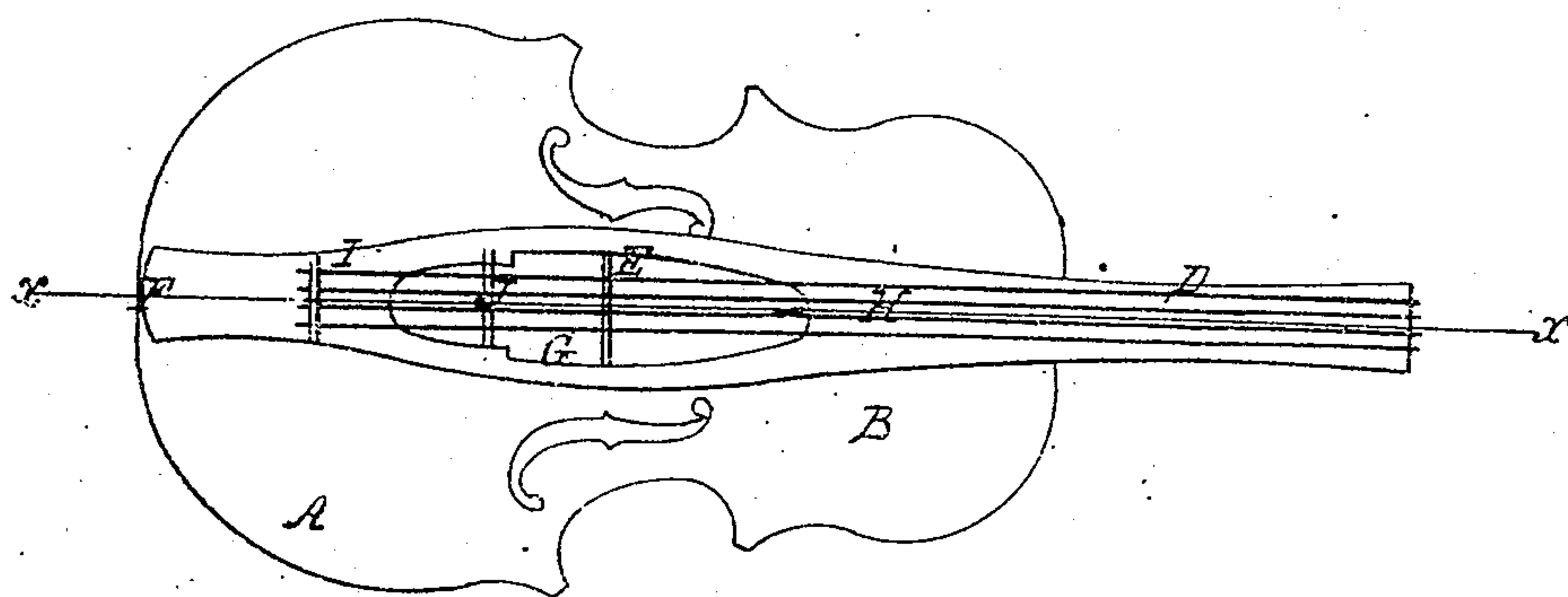


Fig. 3.

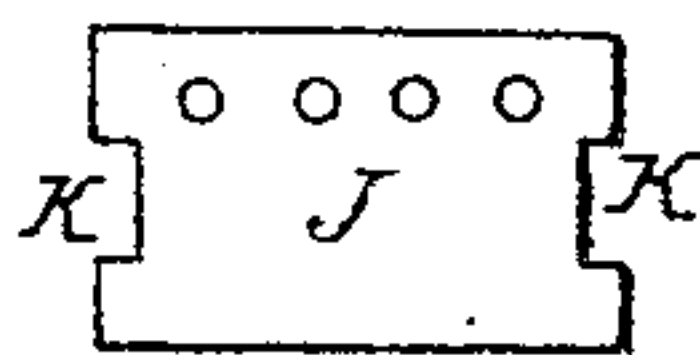
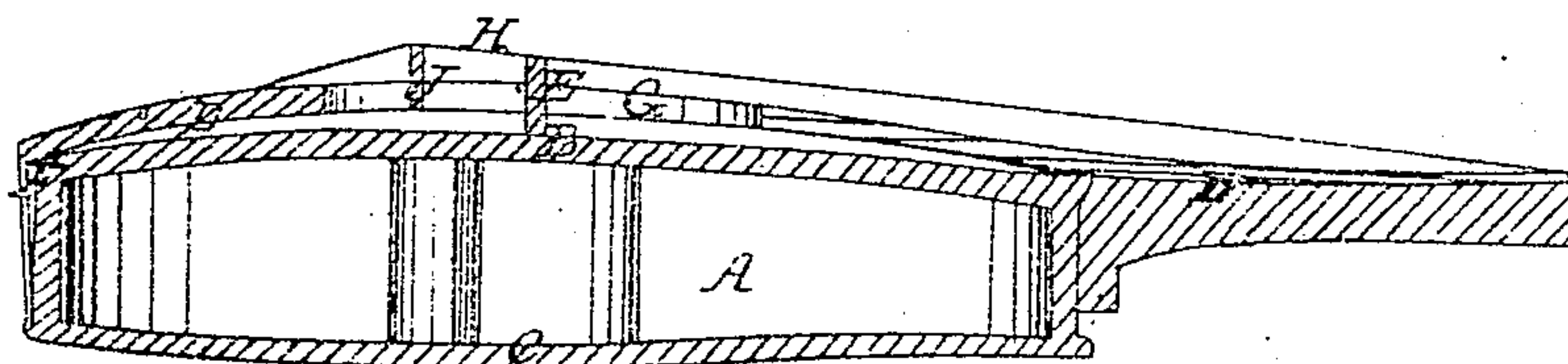


Fig. 2.



Witnesses

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BAINBRIDGE BISHOP, OF NEW RUSSIA, NEW YORK.

Letters Patent No. 73,569, dated January 21, 1868.

IMPROVEMENT IN VIOLINS.

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, BAINBRIDGE BISHOP, of New Russia, in the county of Essex, and State of New York, have invented new and useful Improvements in Violins, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention relates to violins, bass-violos, guitars, and other similar musical instruments, and consists, first, in continuing the finger-board over the sound-board, to the foot of the instrument, and in there fastening one end of the strings, whereby the said finger-board is made to support the whole tension of the strings; second, in combination with the above, the use of a supplementary bridge, resting upon the finger-board, in such a manner that the pressure of the strings upon the sound-board bridge can be controlled without altering the pitch of the strings or the height of the sound-board bridge, thereby giving the strings the pressure on the sound-board bridge requisite to produce the most perfect tone within the power and capability of the instrument; and the sound-board is relieved of all contact from dead-wood, and thus left freer for vibration, and consequently to give out a fuller and more even tone. In the accompanying plate of drawings my improvements in violins, &c., are illustrated—

Figure 1 being a plan or top view of the same.

Figure 2 a section taken in the plane of the line *z z*, fig. 1, and

Figure 3 a detail view of the supplementary bridge.

Similar letters of reference indicate corresponding parts.

A, in the drawings, represents the body to the violin, to which B is the sound-board, C the back-board, and D the finger-board; E, the bridge to the sound-board. The finger-board D is extended over the sound-board, to the foot or tail, F, of the instrument, where, to the thin edge, it is fastened in any suitable manner. This board D, where the bridge E is located, is cut out along its length, upon both sides of the said bridge E, leaving an opening, G, of a width somewhat greater than that embraced by the several strings, H, to the instrument. These strings H, at one end, I, are fastened to the extended portion of the finger-board, while, at their other ends, they are to be hung as ordinarily in violins. J, the supplementary bridge. This bridge J is located between the extended portion of the finger-board and the ordinary bridge E, and is so cut out upon the two ends, K, as to fit over the two edges of the finger-board, between the sides of the opening G. By extending the finger-board over the sound-board, and securing it to the body, as has been above described, it is made to support the whole tension of the strings; and, by the false or supplementary bridge, the pressure of the strings can be controlled, by simply sliding it, without altering the pitch of the strings or the height of the sound-board bridge, thus enabling the requisite pressure to be produced upon the sound-board bridge for the best tone.

I claim as new, and desire to secure by Letters Patent—

1. The supplementary bridge J, to the extended finger-board D, substantially as and for the purpose specified.

2. The combination of the bridge E, supplementary bridge J, and finger-board and tail-piece, made in one piece, substantially as described for the purpose specified.

Witnesses:

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