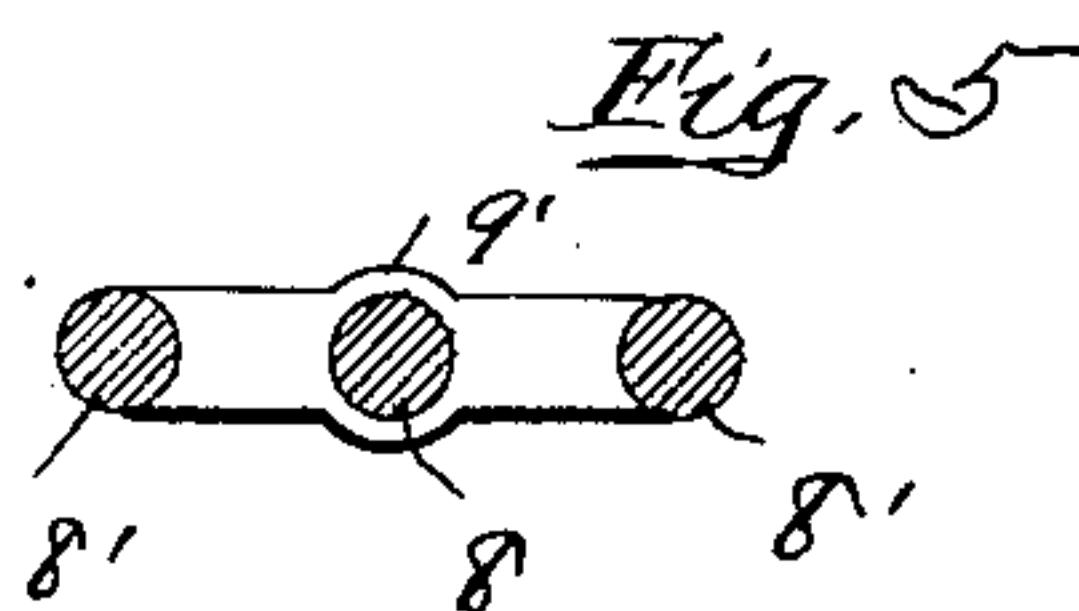
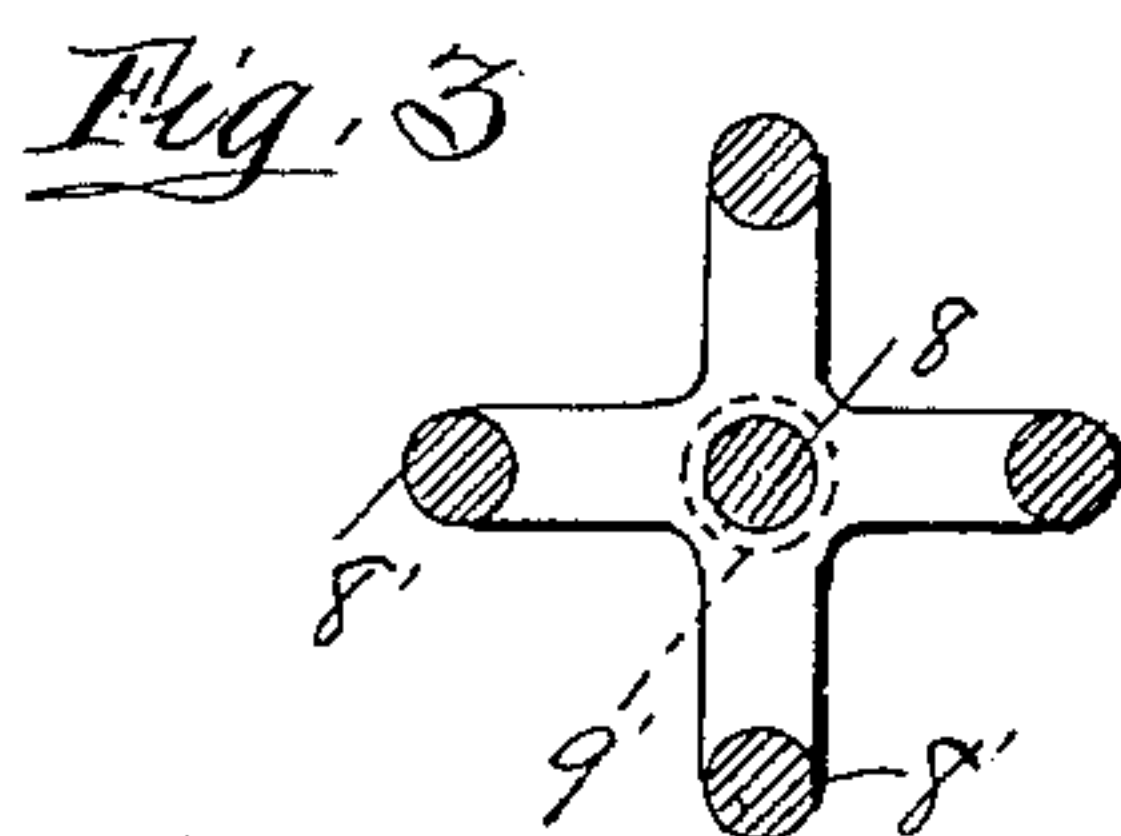
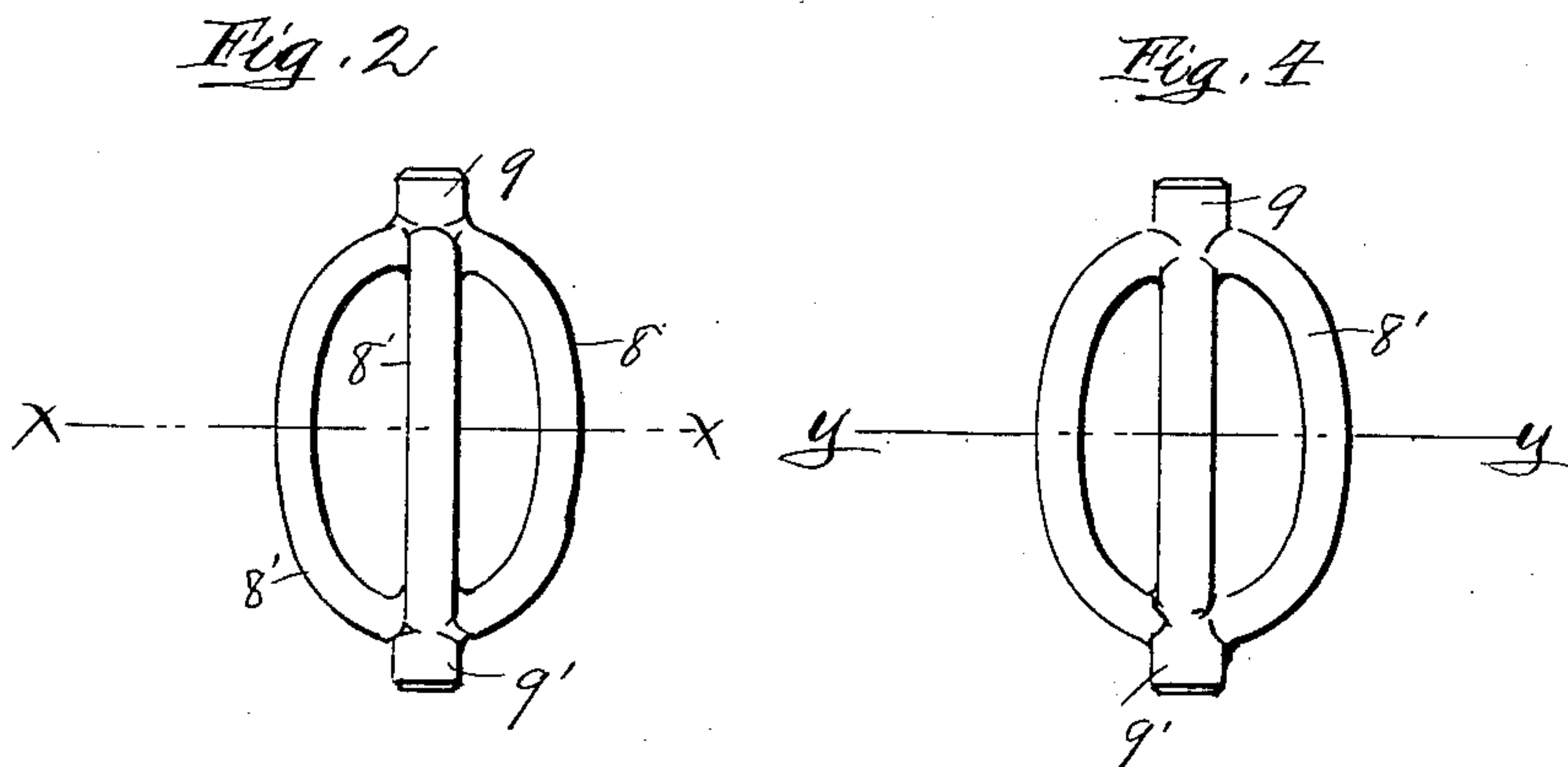
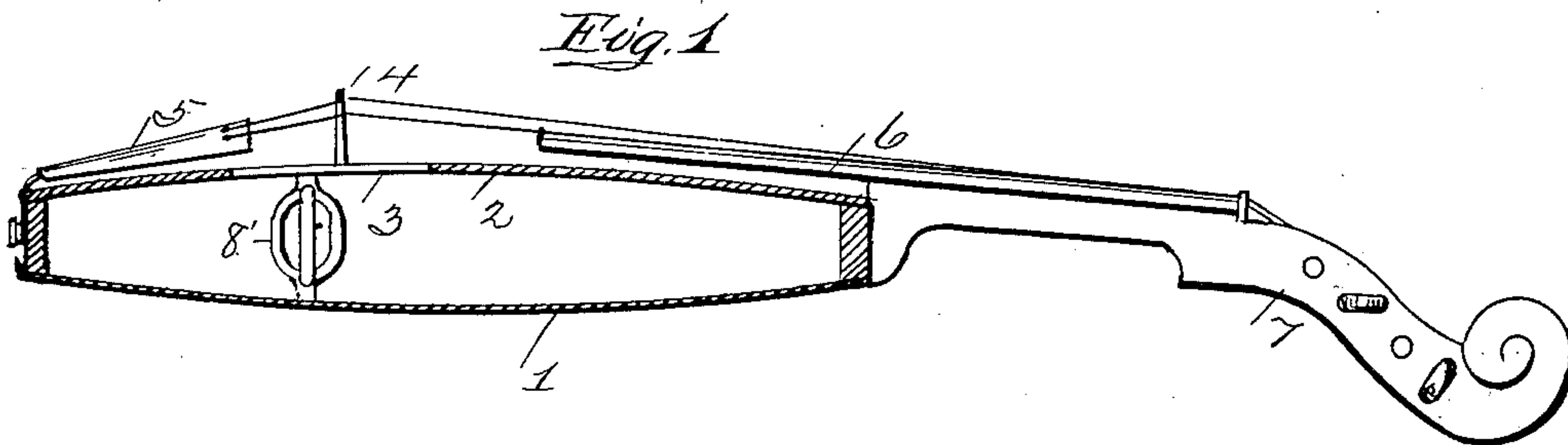


H. UNGER.
SOUND POST FOR VIOLINS.

APPLICATION FILED FEB. 3, 1903.

NO MODEL.



Witnesses:
M. E. Harrison.
H. J. Lewis

Inventor:
Herman Unger.
By O. W. Lewis.
Att'y

UNITED STATES PATENT OFFICE.

HERMAN UNGER, OF HOMESTEAD, PENNSYLVANIA.

SOUND-POST FOR VIOLINS.

SPECIFICATION forming part of Letters Patent No. 735,428, dated August 4, 1903.

Application filed February 3, 1903. Serial No. 141,698. (No model.)

To all whom it may concern:

Be it known that I, HERMAN UNGER, a citizen of the United States, residing at Homestead, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Sound-Posts for Violins, &c., of which improvement the following is a specification.

My invention relates to certain new and useful improvements in sound-posts for violins, &c., of which the following is a full, clear, and exact description.

This invention has for its object to provide a sound-post constructed from a single piece of soft wood having its central portion formed into a multiplicity of members or branches, whereby the vibratory impulses passing through the said post will be greatly aided.

Further, my invention has for its object to provide a sound-post for violins, &c., which will be strong, durable, cheap and comparatively cheap to manufacture, and highly efficient in its purpose.

In the preferable embodiment of my invention reference will be had to the drawings forming a part of this specification, wherein similar numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a side elevation of a violin, showing the body in longitudinal vertical section and my improved sound-post in position. Fig. 2 is an enlarged detail view of the sound-post removed from the instrument. Fig. 3 is a transverse section thereof. Fig. 4 is a similar view to Fig. 2 of a modification of my invention, and Fig. 5 is a transverse section thereof.

Referring to Fig. 1, reference-numeral 1 designates the back of the violin shown therein, 2 the belly, 3 the sound-holes in the belly,

4 the bridge, 5 the tailpiece, 6 the finger-board, and 7 the neck, all of the ordinary construction. Contacting with the belly and back of the instrument is the sound-post embodying my improvements. This post, as shown in Figs. 2, 3, 4, and 5, is formed from a single piece of very soft wood, preferably pine, and comprises a series of members or branches 8 and 8', intermediate the ends 9 and 9' and of less diameter than the said ends, the central vertical member 8 being in alignment with the said ends, while the members 8' are semi-oval and bowed outwardly. Thus it will be understood that the vibratory impulses passing through the post set the several members to vibrating.

It will be understood that I do not limit myself to the exact construction of sound-post embodied herein, but may make various changes wholly within the scope of the invention and without departing from the spirit of the invention.

Having fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent, is—

A sound-post comprising end portions, intermediate members radiating therefrom and of less diameter than said ends, said intermediate members comprising a central vertical member integral with and in alignment with both of said ends, and a plurality of outwardly-bowed members integral with said ends, substantially as described.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

HERMAN UNGER.

In presence of—

M. E. HARRISON,
H. J. LEVIS.