

910,632.

Patented Jan. 26, 1909.

Fig. 1.

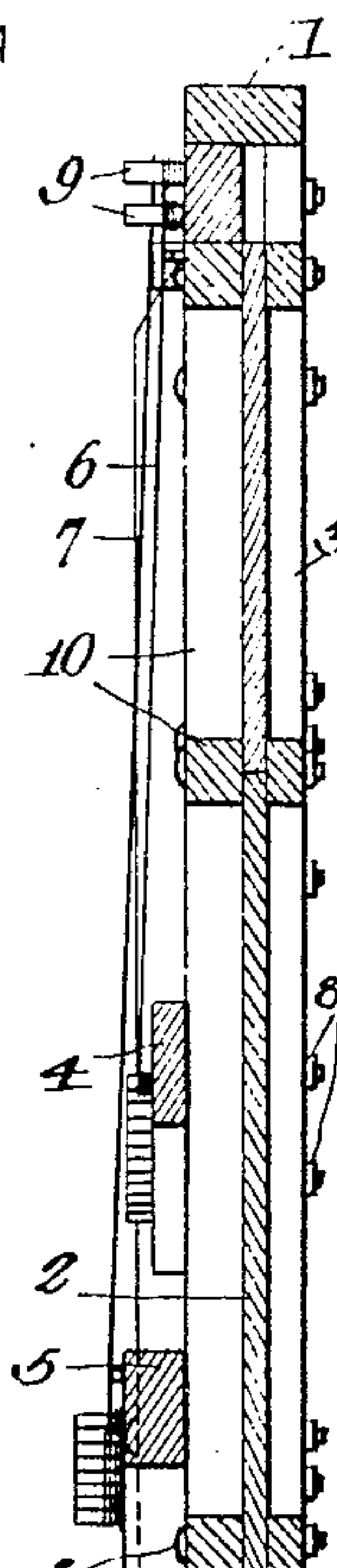
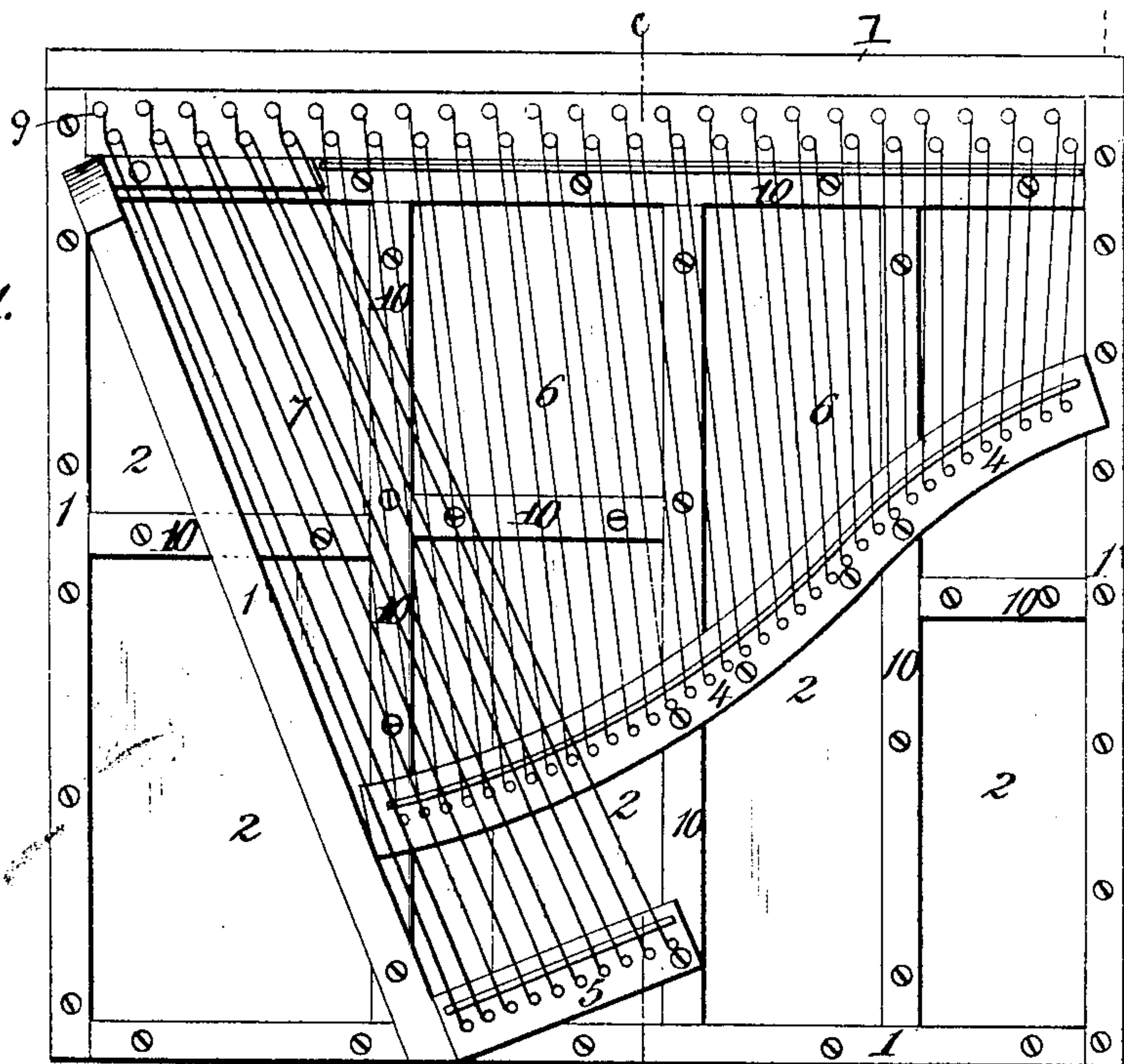


Fig. 4.

Fig. 2.

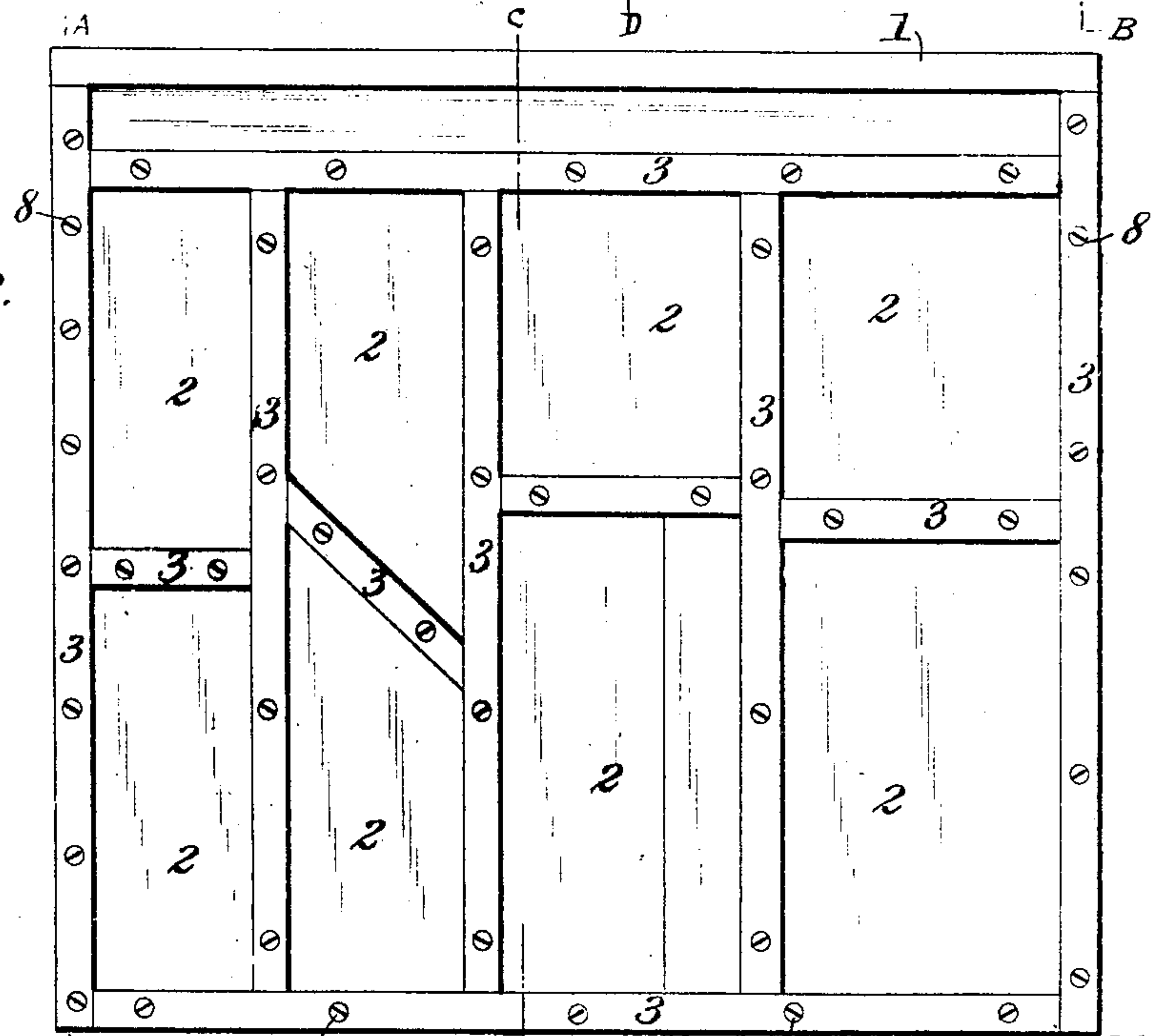
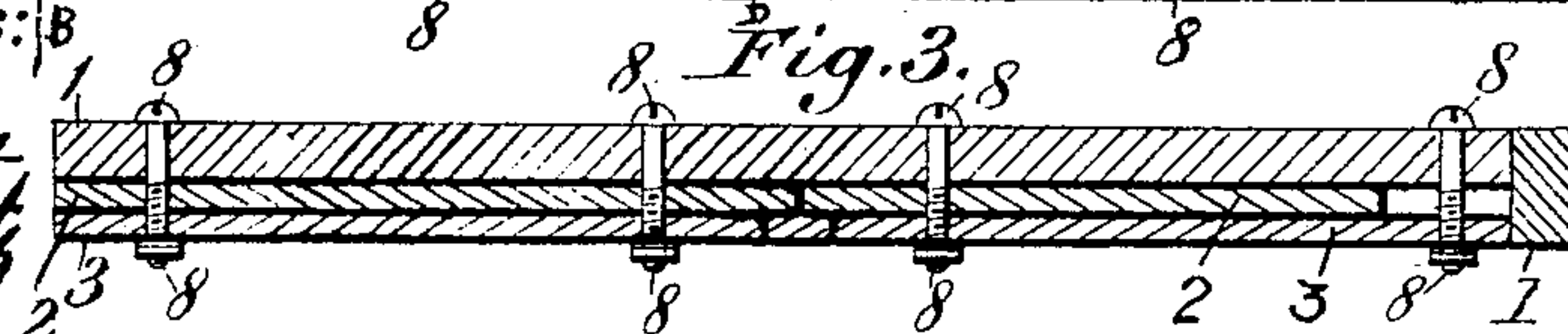


Fig. 3.



Witnesses:
 A. F. ...
 Edward ...

Inventor:
 Charles W. Zinco

UNITED STATES PATENT OFFICE.

CHARLES WM. ZINCO, OF ALBANY, NEW YORK.

PIANO.

No. 910,632.

Specification of Letters Patent.

Patented Jan. 26, 1909.

Application filed March 29, 1907. Serial No. 365,406.

To all whom it may concern:

Be it known that I, CHARLES WM. ZINCO, a citizen of the United States, residing at Albany, in the county of Albany and State of New York, have invented new and useful Improvements in Pianos, reference being had therein to the accompanying drawings.

The objects of my inventions are: 1st, to communicate the strings' vibrations to the sounding board without the aid of bridges glued to said sounding board as the way of construction had been before, which caused numerous troubles by breaking and ungluing of said bridges. 2nd, to make it possible to use the sounding board as one large piece, or to divide it in any desired number of smaller sounding boards in any size, shape, and thickness, suitable to the kind and style of instrument to be used for.

Figure 1 is a front view of the frame together with the strings and sounding board. Fig. 2 is a rear view. Fig. 3 is a section on the line A—B. Fig. 4 is a section on the line C—D.

The frame is composed of bars 1 and 10 with hitch pin plates 4 and 5. Holes are

drilled in or through said bars 1 and 10 to properly attach a number of sounding boards 2 to said bars 1 and 10. Strips 3 hold sounding boards 2 firmly to bars 1 and 10. On the upper one of the bars 10 and on the plates 4 and 5 are ribs, serving as bridges to determine the vibrating lengths of the strings. The treble strings 6 are fastened to hitch pin plate 4 and bass strings 7 to hitch pin plate 5. The opposite ends of the strings are fastened to tuning pins 9. The frames can be constructed in so many different varieties of shapes and sizes that they can be used for nearly every kind of string instruments.

What I claim is:

The combination with a piano frame having hitch plates of strips 3 and a number of sounding boards 2 properly attached by screws or bolts 8 to the different members of the frame and the hitch pin plates and to strips 3.

CHARLES WM. ZINCO.

Witnesses:

A. FROMMER,
E. GOETZ.