

No. 641,367.

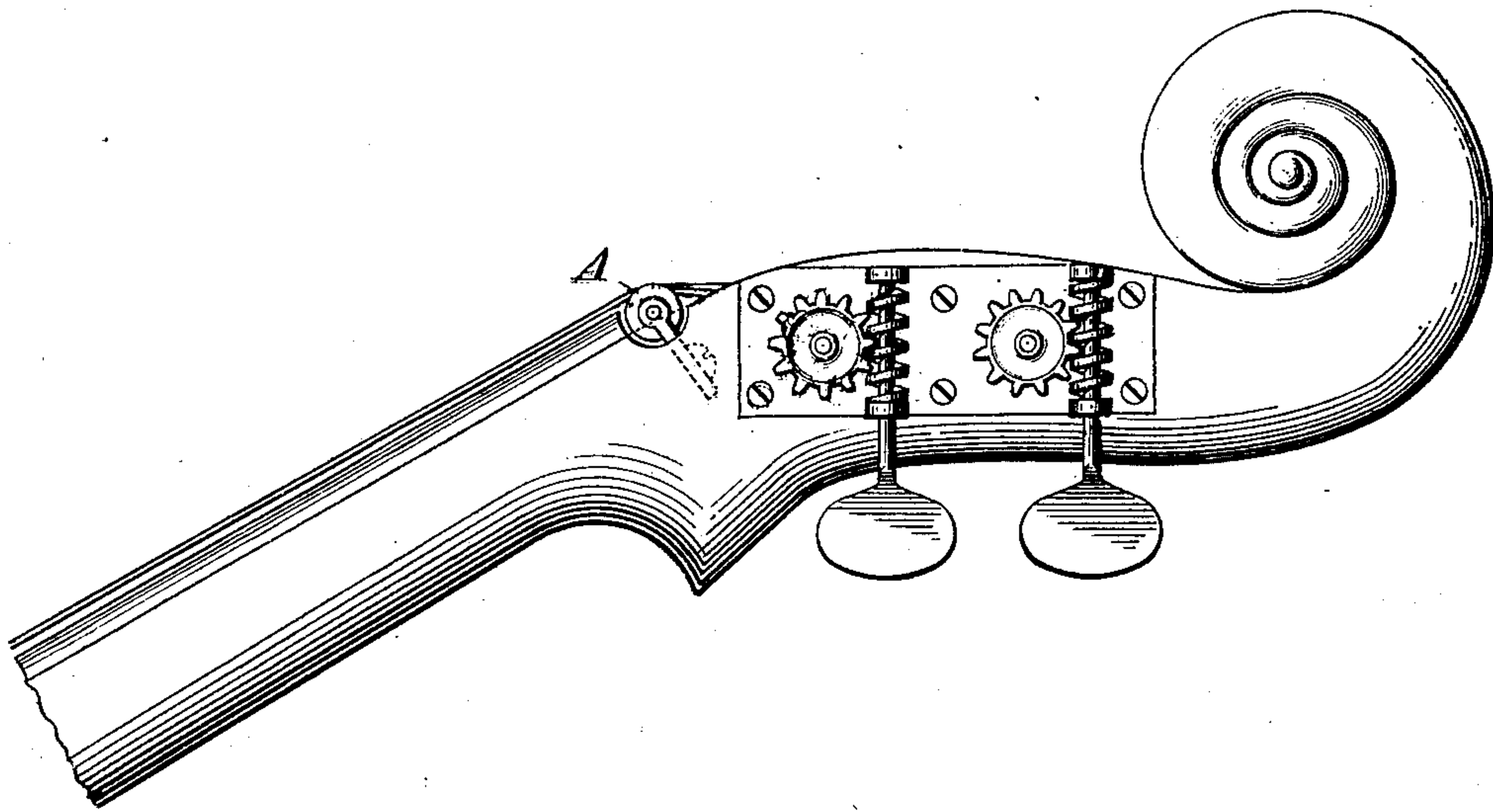
Patented Jan. 16, 1900.

G. BRAUER.

TUNING MECHANISM FOR STRINGED INSTRUMENTS.

(Application filed Aug. 4, 1897.)

(No Model.)



Witnesses

Hugh S. Maxwell

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Inventor.

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UNITED STATES PATENT OFFICE.

GEORGE BRAUER, OF SACRAMENTO, CALIFORNIA.

TUNING MECHANISM FOR STRINGED INSTRUMENTS.

SPECIFICATION forming part of Letters Patent No. 641,367, dated January 16, 1900.

Application filed August 4, 1897. Serial No. 647,119. (No model.)

To all whom it may concern:

Be it known that I, GEORGE BRAUER, a citizen of the United States, residing at the city of Sacramento, county of Sacramento, and State of California, have invented certain new and useful Improvements in the Tuning Mechanism of Stringed Instruments; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being also had to the annexed drawing, which represents the application of this improvement on an instrument of the viola variety.

This improvement concerns the way of limiting the sounding portion of the string and forms, therefore, a substitute for what is commonly called the "saddle" or "upper bridge," and has for its purpose to lessen the friction of the string against the said saddle or bridge in order to facilitate the tuning of the instrument. This object is accomplished by means of a small friction-roller A, which is pivoted to a socket connected with the upper part of the neck, at the inner or lower part of the wrest-plank, and has a V-shaped peripheral groove

over which the string runs, one separate roller being provided for each string.

The purpose of this invention is to form an improvement on those tuning mechanisms that are actuated by means of a screw or worm gear arrangement, as on instruments equipped in this way the friction on the bridge or saddle is an essential hindrance to the smooth working of the mechanism.

I claim—

On a stringed instrument having a screw or worm gear tuning mechanism and a bridge to separate the sounding portion of the strings from that portion contiguous to the tuning mechanism a friction-roller or friction-rollers to serve as a bearing for the strings upon said bridge; one separate roller being provided for each string; substantially as and for the purpose set forth.

GEORGE BRAUER.

Witnesses:

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