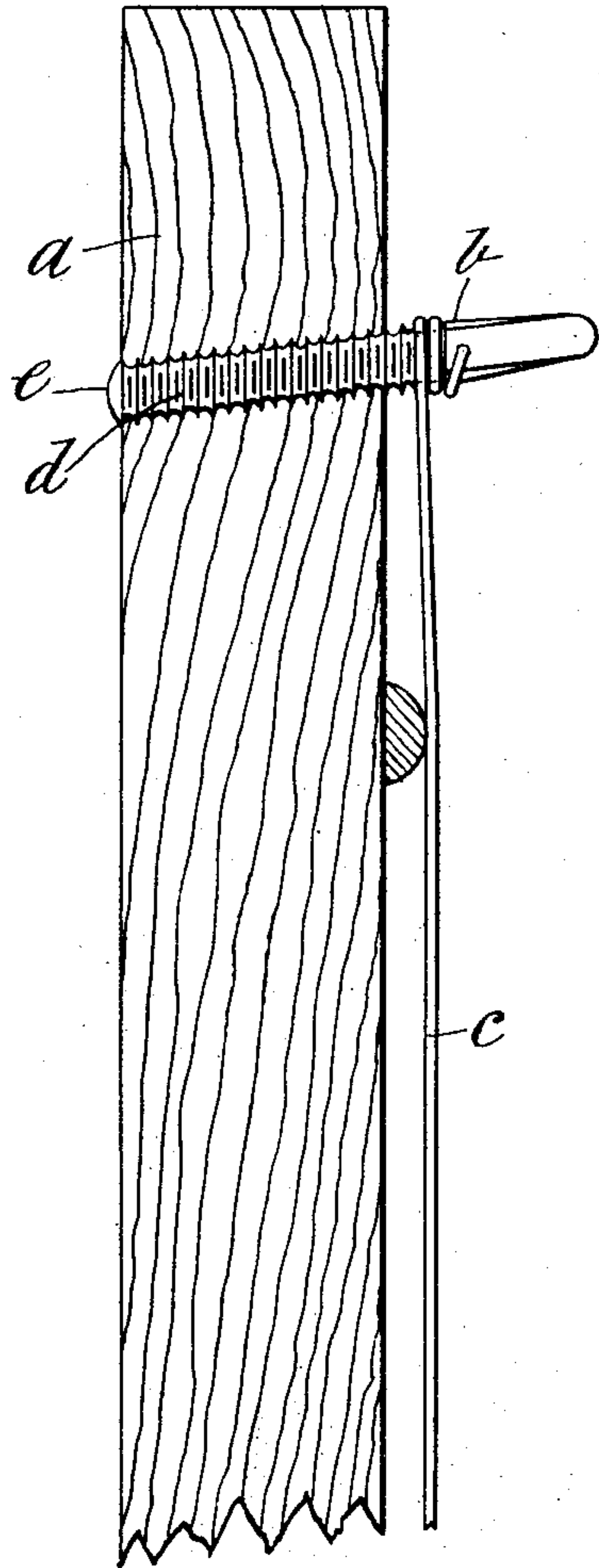


No. 751,479.

PATENTED FEB. 9, 1904.

T. DODDRELL.
WREST PIN FOR PIANOFORTES.
APPLICATION FILED APR. 27, 1903.

NO MODEL.



Witnesses.
R. W. Mason,
Alfred Nutting.

Inventor.
Thomas Doddrell,
per John Pitt. Bayly,
attorney.

UNITED STATES PATENT OFFICE.

THOMAS DODDRELL, OF SLOUGH, ENGLAND.

WREST-PIN FOR PIANOFORTES.

SPECIFICATION forming part of Letters Patent No. 751,479, dated February 9, 1904.

Application filed April 27, 1903. Serial No. 154,526. (No model.)

To all whom it may concern:

Be it known that I, THOMAS DODDRELL, a subject of the King of Great Britain, residing at Bradgate, Slough, in the county of Buckingham, England, have invented a new and useful Improved Wrest-Pin for Pianofortes and other Musical Instruments, of which the following is a specification.

My invention relates to an improved wrest-pin for pianofortes and other musical instruments. I attain these objects by the mechanism illustrated in the accompanying drawing, in which the drawing is a vertical section of the plank *a* with an elevation of the tuning-pin *b* screwed into the plank with the string *c* attached thereto.

My invention is constructed with a tuning-pin *b* about two inches in length with a left-hand thread *d*. The pin *b* has a screw-thread *d* at least as coarse as the diameter of the wire and extending over the portion covered by the wire as well as that portion in the wrest-plank, the thread to extend from the point *e* to the eye of the pin, the pin *b* to be screwed into the plank *a* to within about an eighth of an inch of the eye of the pin. The wire or

string *c* is then to be threaded in the ordinary way and the pin turned to the right, so that the coils of the string fall into the grooves of the screw until the required pitch is obtained, when the string will be the same distance from the plank as when first threaded, or, if preferred, an ordinary right-handed thread may be used and the pin turned in the reverse direction.

What I claim as my invention, and desire to secure by Letters Patent, is—

The wrest-pin for pianofortes and other musical instruments having a screw-thread at least as coarse as the diameter of the wire and extending over the portion covered by the wire as well as that portion in the wrest-plank, substantially as described for the purpose specified.

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

THOMAS DODDRELL.

Witnesses:

R. WETTAROTT,
ALFRED NUTTING.