

No. 763,910.

PATENTED JUNE 28, 1904.

P. KRUMSCHEID.
PIANOFORTE ACTION.
APPLICATION FILED DEC. 1, 1903.

NO MODEL.

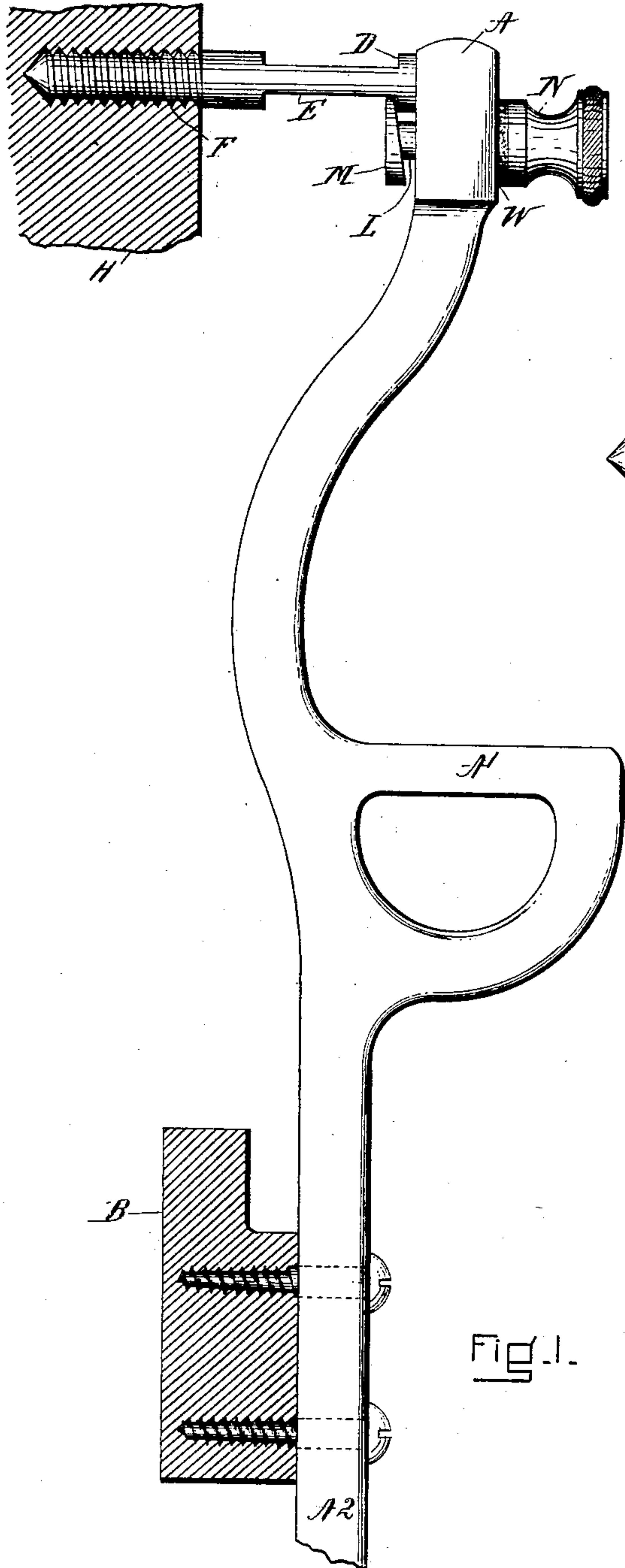


Fig. 1.

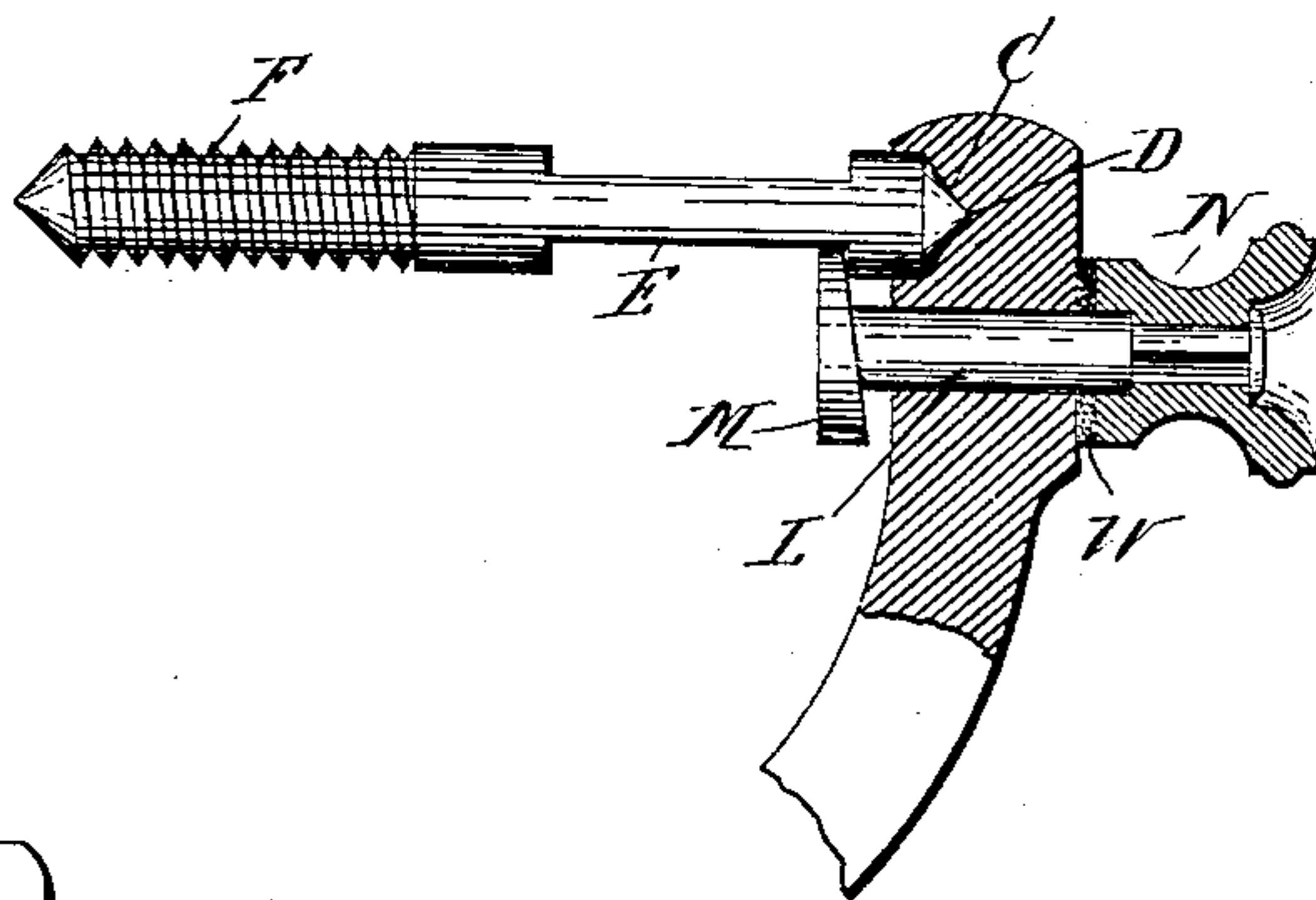


Fig. 2.

WITNESSES:

Frank G. Parker
John Buckler.

INVENTOR.

Peter Krumscheid

UNITED STATES PATENT OFFICE.

PETER KRUMSCHEID, OF BOSTON, MASSACHUSETTS.

PIANOFORTE-ACTION.

SPECIFICATION forming part of Letters Patent No. 763,910, dated June 28, 1904.

Application filed December 1, 1903. Serial No. 183,405. (No model.)

To all whom it may concern:

Be it known that I, PETER KRUMSCHEID, a citizen of the United States, and a resident of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Pianoforte - Actions, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to the parts of a pianoforte that support the "action," for convenience these parts being termed the "brackets;" and it consists in the peculiar manner in which the upper ends of the brackets are constructed and also in the forming of the screw-bolts that connect the upper ends of the bracket to the pin-block.

The object is to make a simple and cheap device by which the action may be readily attached and detached. This object I attain by means of the construction shown in the accompanying drawings, in which—

Figure 1 is an elevation of one of the brackets, the lower part being omitted. Fig. 2 is a vertical section showing the upper end of the bracket and a part of the screw-bolt that connects to the pin-block.

In the drawings, A A' A² represent the bracket, to the middle part of which the hammer-rail B is attached. The lower end of the bracket (not shown) is attached to the frame of the pianoforte in the usual manner.

I will now describe the parts that I consider new and of my invention.

The upper end of the bracket has a recess at C, which receives the coned end D of the screw-bolt E F. The bolt is flattened, as indicated at E, for the double purpose of forming a convenient grip for the wrench by which the bolt is screwed into the pin-block H and also to form shoulders for engagement with the crown-cam head M of the turn-bolt L. The outer end of the turn-bolt L is made square and is riveted into the finger-knob N, as shown in Fig. 2. A washer W of some yielding material is used for facilitating the use of the crown-cam M in drawing the upper end of the bracket firmly against the coned head D of the screw-bolt, and thus prevent any looseness or tendency to rattle.

I claim—

A pianoforte - action - holding device comprising; a screw - bolt flattened and having a shoulder as described; a crown-cam and means for turning said cam; a bracket adapted to engage with said screw-bolt and having attached the said means for operating said crown-cam; substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 30th day of November, A. D. 1903.

PETER KRUMSCHEID.

Witnesses:

FRANK G. PARKER,
JOHN BUCKLER.