

(No Model.)

J. L. HINNERS.
TRACKER PIN FOR ORGANS.

No. 330,117.

Patented Nov. 10, 1885.

Fig. 1.

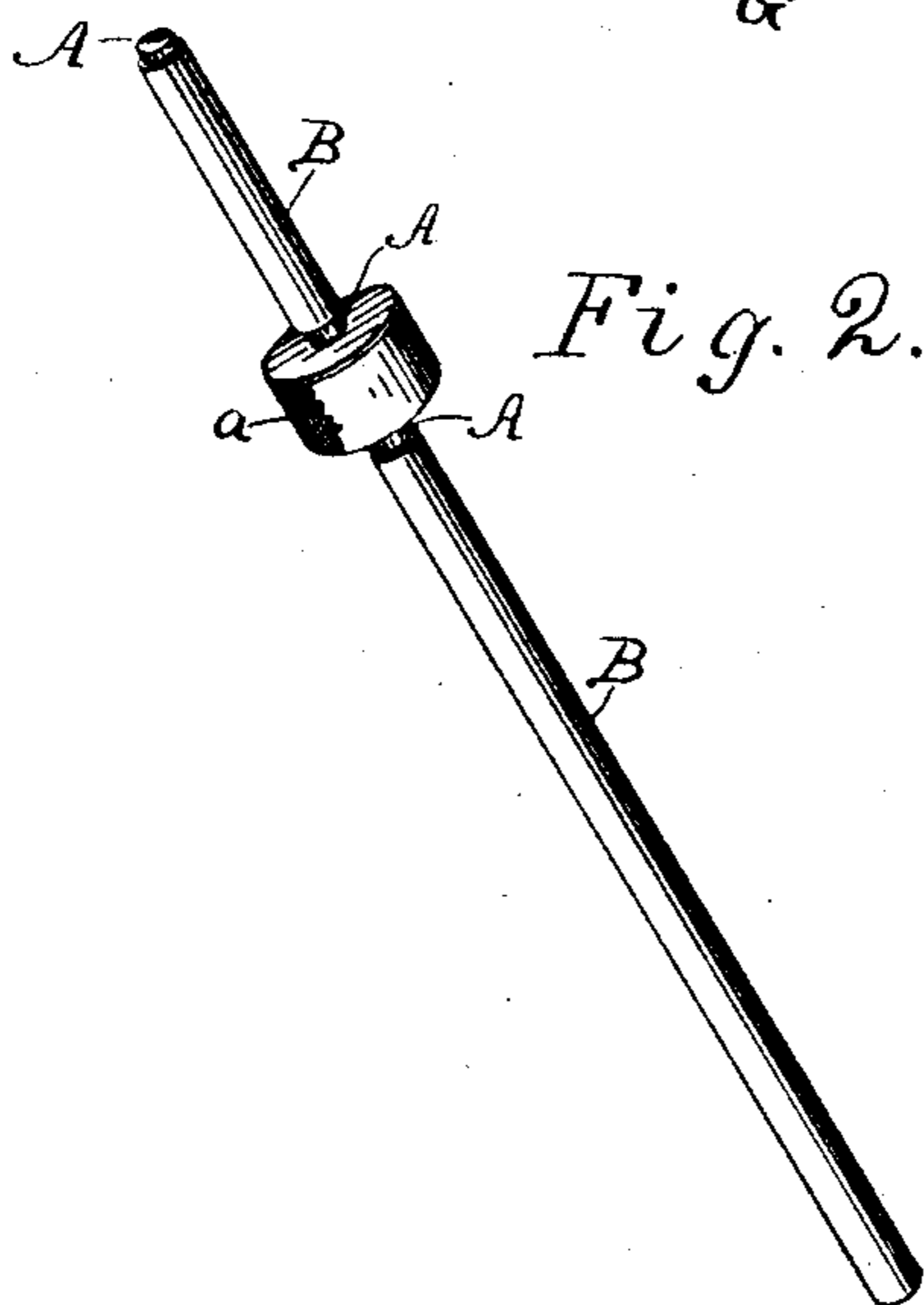
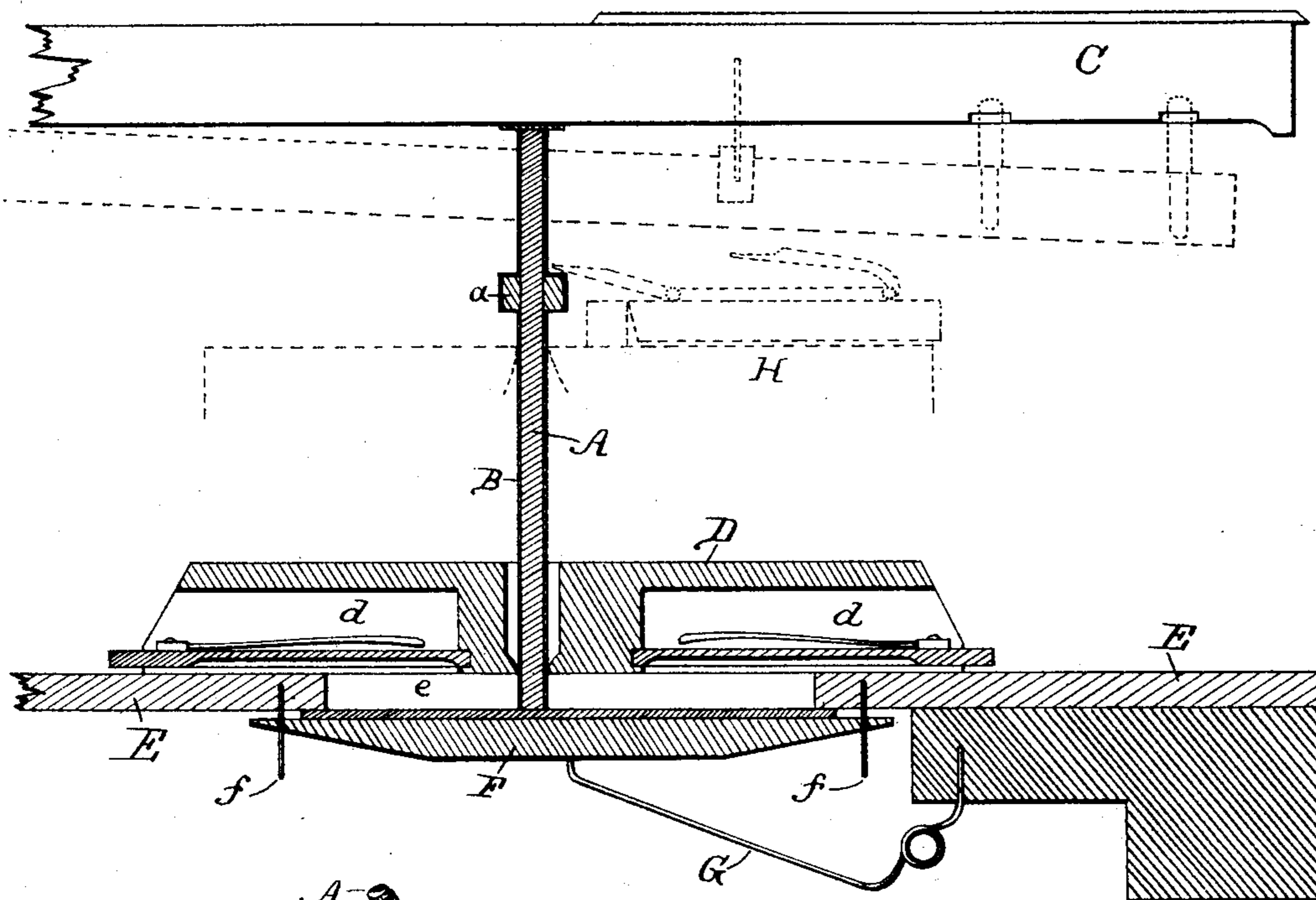


Fig. 2.

WITNESSES

Thos. Houghton.
Wm. Leonard

INVENTOR

John L. Hinners,
By McFarland & Benjamin

Attorneys.

UNITED STATES PATENT OFFICE.

JOHN L. HINNERS, OF PEKIN, ILLINOIS.

TRACKER-PIN FOR ORGANS.

SPECIFICATION forming part of Letters Patent No. 330,117, dated November 10, 1885.

Application filed January 2, 1885. Serial No. 151,813. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. HINNERS, a citizen of the United States, residing at Pekin, in the county of Tazewell and State of Illinois, have invented certain new and useful Improvements in Organ-Actions; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to tracker-pins for reed-organs; and its objects are to overcome the defective operation of the ordinary wooden pins, due to atmospheric changes, to reduce the abrasion of such pins by friction, and to protect them against being gnawed and splintered by vermin.

It is well known to organists and organ-builders that wooden tracker-pins often swell so much in damp weather as to stick in their courses; that they often shrink in dry air, so as to cause rattling and escape of wind in the apertures through which they pass; that they wear away by friction, so as to produce unsteady working of the valves operated by them, and that they are often so gnawed and splintered by mice, and even other vermin, as to practically destroy them, and to obstruct the valve-apertures into which the litter drops. To overcome these several objections, I reduce the circumference of the wooden pin and incase it in a metallic tube, thus producing a combination of wood and metal in the formation of a complete and single pin, and guarding at once with practical efficiency against each and all of the defects I have enumerated.

I may for some purposes make my tracker-pin in the form of a simple metal tube without filling, or filled only at and toward the extremities, or I may use as filling some suitable material other than wood; but the tracker-pin shown and described herewith embodies the construction that I have found best adapted to the practical purposes of organ-building.

In the accompanying drawings, wherein like letters refer to like parts, Figure 1 is a vertical section of my tracker-pin applied to the adjacent parts of an organ-action, and Fig. 2 a perspective of the pin with shoulder.

A is a round wooden pin fitting closely within a metal tube, B, and slightly projecting from the tube at the upper end, so that each pin may be filed as required to level the row of finger-keys in finishing an organ.

C represents one of the finger-keys; D, the reed-board through which the pin works; E, the sounding-board, having valve-slots *e* to pass the air-currents to the reed-cells *d*; F, the valve sliding on guide-pins *f*; and G the spring which closes the valve when pressure on the tracker-pin is removed. Should an octave-coupler be introduced into the organ, the dotted lines H indicate the relative place and outlines thereof, and *a* represents the shoulder formed upon the wooden core of the pin, by which the coupler actuates the pin when thrown into position by the usual stop and mechanism for that purpose. When such a shoulder is formed upon the pin, the tube or jacket B must be made in two parts, one to fit the wooden core above and one below the shoulder, and I should also put a metal casing or ferrule around the circumference of the shoulder to protect it from being gnawed by vermin.

Having thus described my invention, what I claim to be new and useful, and desire to secure by Letters Patent, is the following:

In a tracker-pin for reed-organs, the combination of the ordinary wooden pin with a metal jacket fitting closely upon the same, said jacket being flush with the pin at the lower end, and slightly shorter than said pin at the upper end, in the manner and for the purposes herein described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN L. HINNERS.

Witnesses:

FREMONT KING,
C. A. KUHLE.