

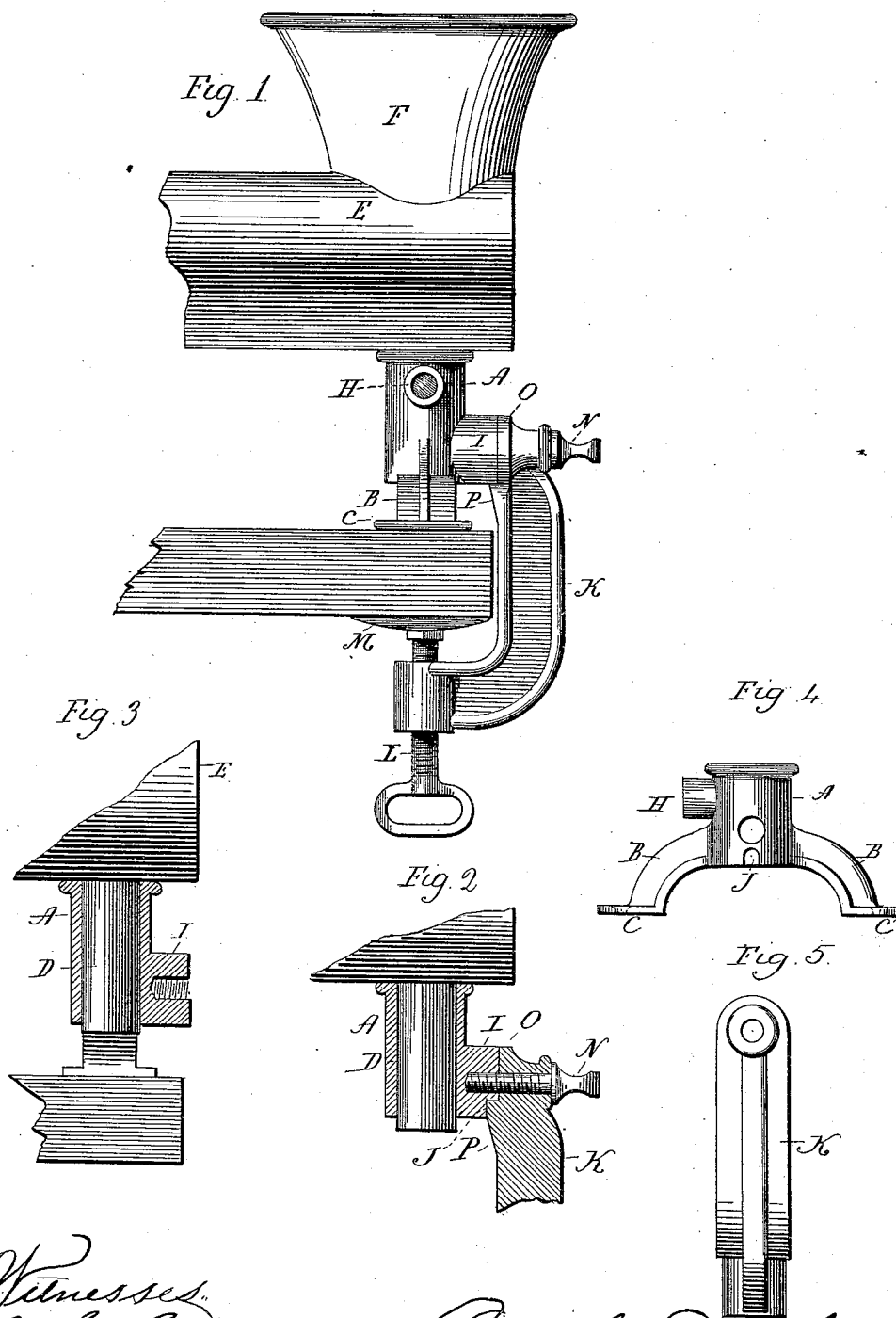
(No Model.)

R. C. ELLRICH.

COMBINED STANDARD AND CLAMP.

No. 475,054.

Patented May 17, 1892.



Witnesses,
J. H. Shumway
T. W. Peck

Robert C. Ellrich
Inventor
G. A. Earle, Attorney

UNITED STATES PATENT OFFICE.

ROBERT C. ELLRICH, OF PLANTSVILLE, CONNECTICUT.

COMBINED STANDARD AND CLAMP.

SPECIFICATION forming part of Letters Patent No. 475,054, dated May 17, 1892.

Application filed October 2, 1891. Serial No. 407,538. (No model.)

To all whom it may concern:

Be it known that I, ROBERT C. ELLRICH, of Plantsville, in the county of Hartford and State of Connecticut, have invented a new
5 Improvement in a Combined Standard and Clamp; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact
10 description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a view in side elevation of a combined standard and clamp applied to the temporary attachment of a rotary meat-cutter to
15 the edge of a table; Fig. 2, a broken view in vertical section, showing the sleeve of the standard and the upper end of the clamp together with the post of the meat-cutter; Fig. 3, a broken view, partly in vertical section and partly in side elevation, showing the use
20 of the standard alone to permanently secure the meat-cutter to a table; Fig. 4, detached front view of the standard; Fig. 5, a similar view of the clamp.

My invention relates to an improvement in combined standards and clamps particularly designed for rotary meat-cutters, but not limited to such use, the object being to produce
30 a simple, strong, and effective device adapted to be converted for permanently or temporarily attaching a meat-cutter or other instrument to a table or bench.

With these ends in view my invention consists in a standard having a vertical sleeve formed with a threaded horizontal boss and two feet offsetting from the lower end of said sleeve and each adapted to be permanently
35 attached to a table or bench, in combination with a clamp having the lower end of its body turned inward and furnished with a vertical clamping-screw and its upper end provided with a horizontal coupling-screw, the faces of the upper end of the clamp and of the boss of the standard being constructed to be interlocked when drawn together by the said coupling-screw.

The standard of my improved device consists of a vertical sleeve A and two feet B B, offsetting from its lower end and sufficiently spread apart to secure a wide bearing, the lower ends of the said feet being provided

with screw-holes C to receive screws for the permanent attachment of the standard to a table, bench, or other similar object. The sleeve of the standard is adapted to receive a cylindrical post D, integral with or attached to the meat-cutter, which may of course be of any construction. The meat-cutter herein shown has a cylindrical horizontal receiver E
55 and a hopper F. The said post is secured within the sleeve by means of a set-screw having bearing in a small hub H, formed integral with and offsetting from the sleeve at a right angle to the length thereof. I do not, however, limit myself to any particular mode of securing the post within the sleeve, although the set-screw described and shown is perhaps as simple and convenient a way as can be devised. The sleeve is provided at its lower end with a horizontal boss I, cylindrical in form and nearly as large as the sleeve in diameter. This boss is provided with a threaded longitudinal bore and has a deep notch J formed in its outer face, which is flat. Preferably the
65 standard described will be cast in one piece. The clamp, which is also cast in one piece of metal and longitudinally ribbed at its edges to make it light and strong, has the lower end of its body K turned inward and furnished with a vertical threaded bore to receive the clamping-screw L, which is furnished at its inner end with a clamping-plate M to increase the area of its engagement with the under face of the bench or table to which it is applied. The upper end of the said body is provided with a horizontal threaded bore to receive the coupling-screw N and with a flat face O and a rib P, the latter being adapted to enter the notch J, formed in the flat face of the boss I
75 of the standard, so as to lock the standard and clamp together when the said faces are brought together by means of the coupling-screw N.

When it is desired to attach the meat-cutter permanently in place, the standard alone is used and permanently fixed to the table or bench by screwing it thereto, the clamp being at this time detached from it by removing the coupling-screw N. When, however, it is desired to secure the cutter in place only temporarily, the clamp and standard are combined by means of the coupling-screw N and used as shown by Fig. 1 of the drawings. In
85 95 100

such use the feet of the standard form wide bearings for the support of the meat-cutter; but they are not screwed to the table or bench. Inasmuch as the standard and clamp are very
5 readily coupled and uncoupled, my improved device is very readily converted for use one way or the other. The standard when used alone has all the advantages of ordinary standards for the permanent attachment of a
10 meat-cutter to a bench or table, and when combined with the clamp it produces an excellent member for engagement with the upper surface of the table or bench on account of the spread of its feet.

15 While I have shown my improved device in connection with a rotary meat-cutter, it will be clear that it is equally applicable to be used with any instrument designed to be permanently or temporarily attached to a table or
20 bench and used in the same way that a meat-cutter is used.

I would have it understood that I do not limit myself to the exact construction shown and described, but hold myself at liberty to
25 make such changes and alterations as fairly

fall within the spirit and scope of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A standard having a vertical sleeve formed with a threaded horizontal boss and two feet offsetting from the lower end of said sleeve and each adapted to be permanently attached to a table or bench, in combination with a
35 clamp having the lower end of its body turned inward and furnished with a vertical clamping-screw and its upper end provided with a horizontal coupling-screw, the faces of the upper end of the clamp and of the boss of the
40 standard being constructed to be interlocked when drawn together by the said coupling-screw, substantially as described.

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

ROBERT C. ELLRICH.

Witnesses:

JOHN M. SHARP,

JOSEPH R. DOOLITTLE.