

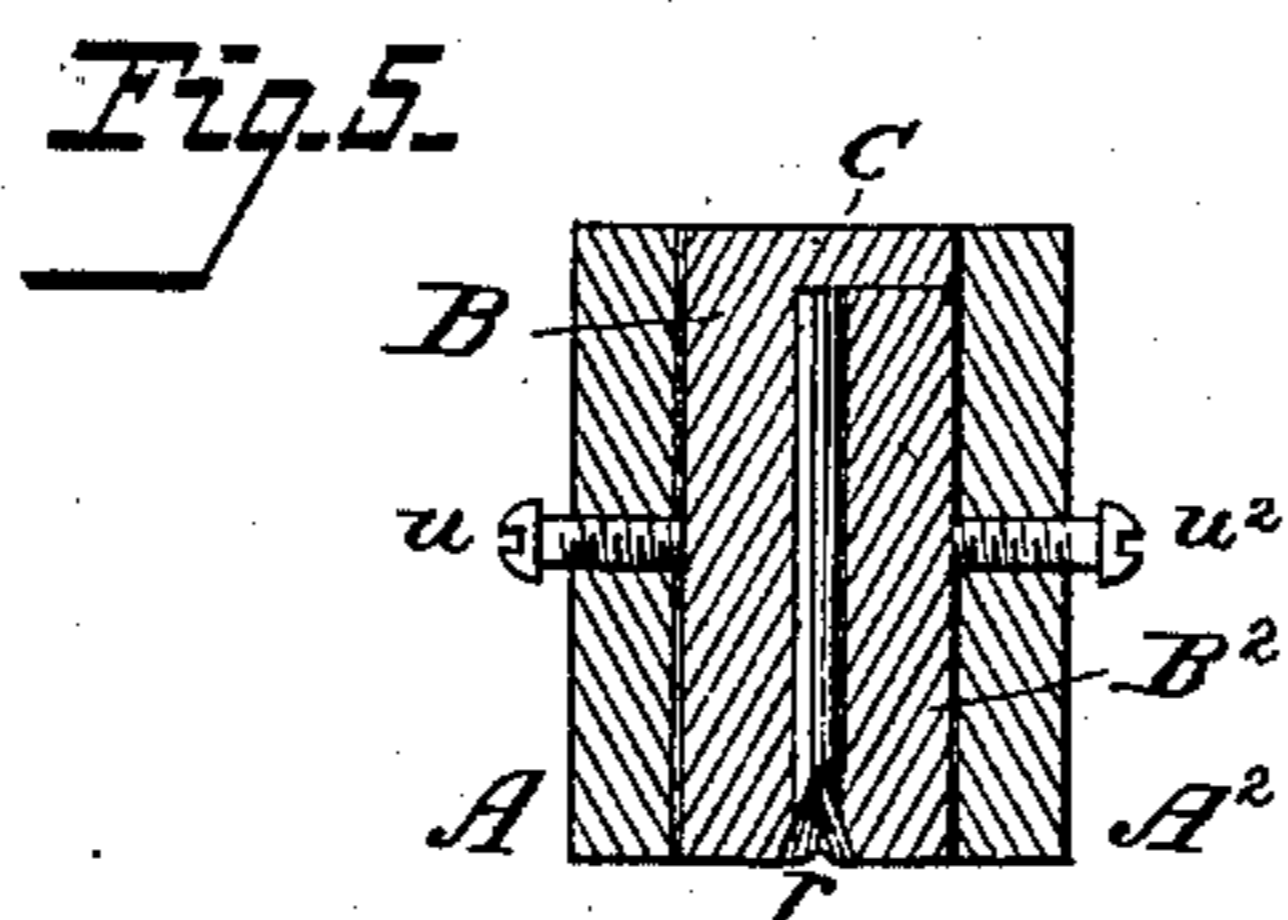
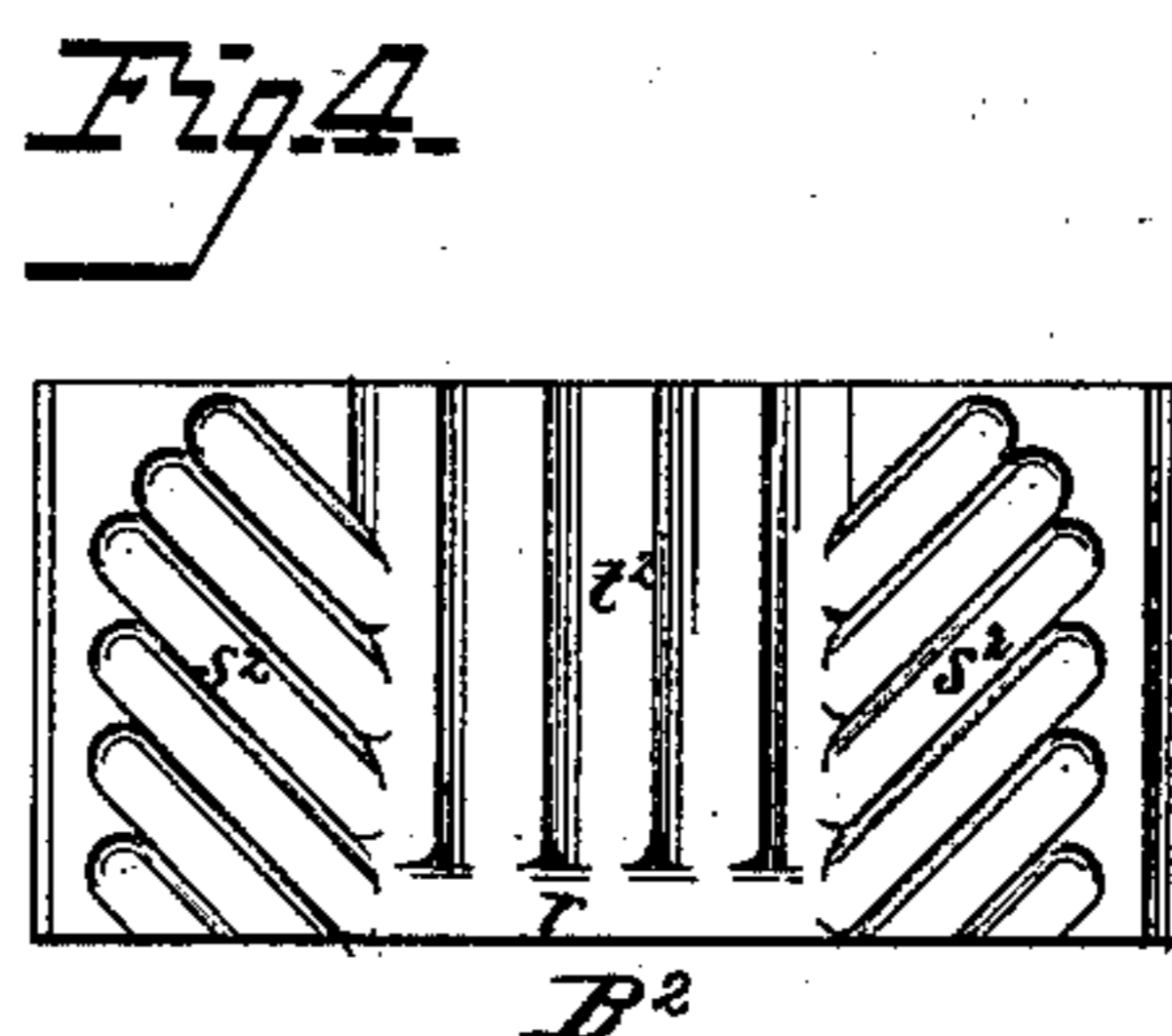
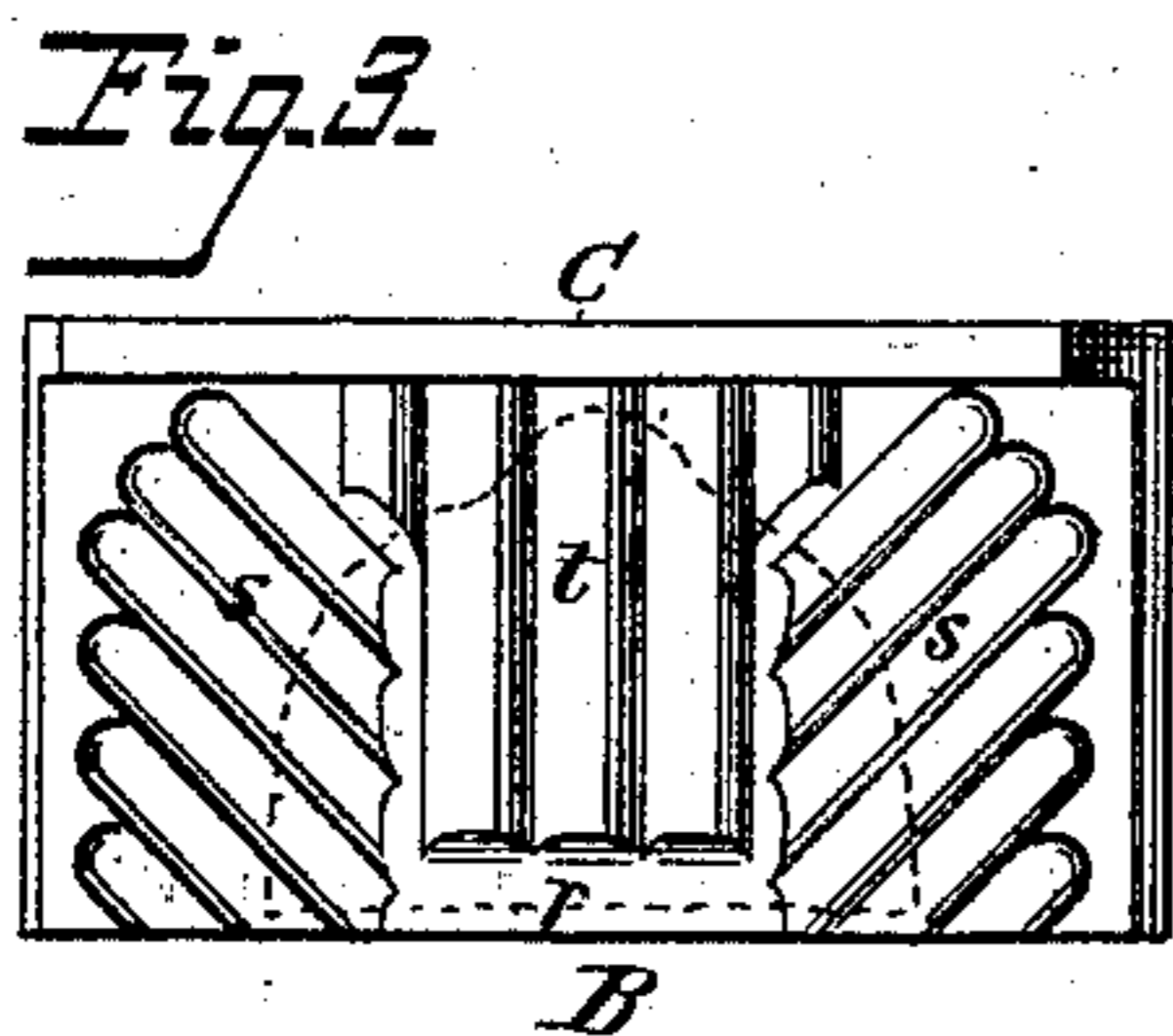
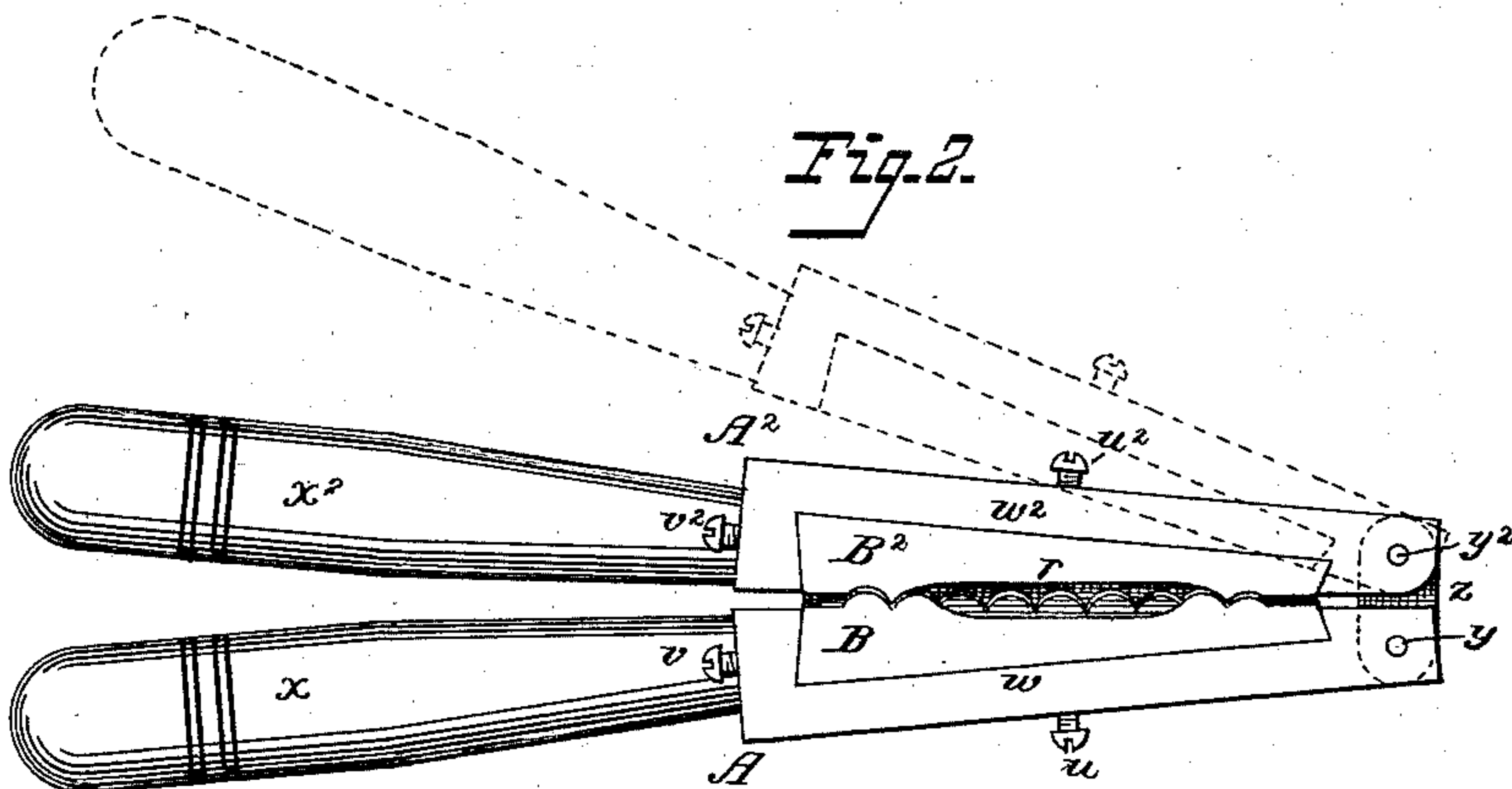
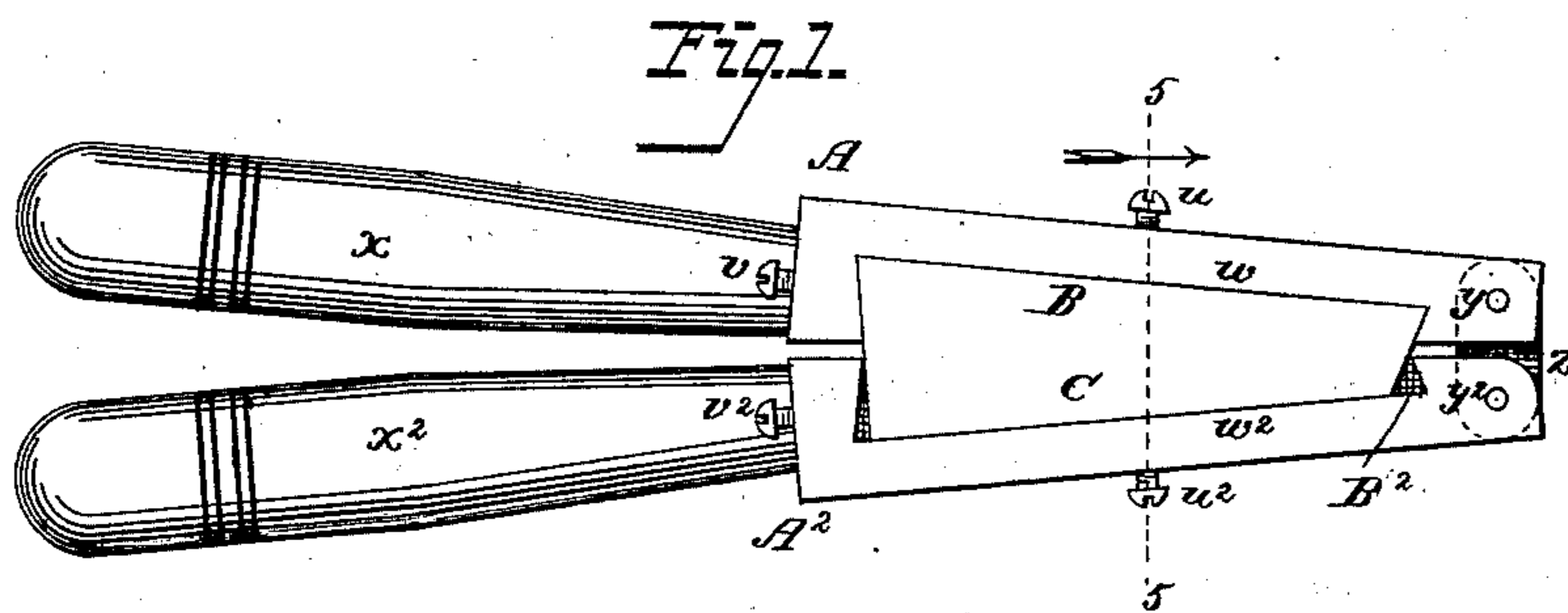
(No Model.)

P. H. STEIN & J. TAMS.

FRUIT SQUEEZER.

No. 280,257.

Patented June 26, 1883.



Attest:
Courtney A. Cooper.
William Dutton

Philip H. Stein
James Tams
Inventors,
By T. H. Ewin,
Attorney.

UNITED STATES PATENT OFFICE.

PHILIP H. STEIN, OF AUSTIN, TEXAS, AND JAMES TAMS, OF TRENTON, NEW JERSEY; SAID TAMS ASSIGNOR TO SAID STEIN.

FRUIT-SQUEEZER.

SPECIFICATION forming part of Letters Patent No. 280,257, dated June 26, 1883.

Application filed July 7, 1881. (No model.)

To all whom it may concern:

Be it known that we, PHILIP H. STEIN and JAMES TAMS, citizens of the United States, residing, respectively, at Austin, in the State of Texas, and at Trenton, in the State of New Jersey, have jointly invented a new and useful Improvement in Fruit-Squeezers, of which the following is a specification.

The invention relates to improvements in fruit-squeezers; and it consists in the peculiar construction and arrangement of the parts, as hereinafter more fully set forth, and pointed out in the claim.

Figure 1 of the accompanying drawings is a top view of a fruit-squeezer illustrating this invention. Fig. 2 is a bottom view of the same. Figs. 3 and 4 are face views of the respective face-plates, and Fig. 5 is a cross-section on the line 5 5.

Like letters of reference indicate corresponding parts in the several figures.

A A² represent a pair of ordinary wooden pressing-jaws hinged together at one end by means of flat links *z* and pintle-rods *y y*² in a customary way, and having at their opposite extremities lever-handles *x x*², integral therewith, as means for operating them.

B B² represent flat face-plates, preferably of porcelain, or of cast-iron enameled with porcelain, held in transverse dovetail seats *w w*², in the faces of the respective pressing-jaws, by means of clamping-screws *v v*², and supported centrally by set-screws *u u*², working in holes bored therefor in the respective jaws. Said face-plates B B² are molded with imperforate "flat" pressing-surfaces, which are respectively cameo and intaglio, composed of a group of shallow vertical flutes, *t t*², and two groups of inclined flutes, *s s s*² *s*², in each face-plate. These flutes form shallow protuberances and depressions which keep the fruit from slipping when squeezed, and direct the juice to a central opening, *r*, formed at the lower edge of the squeezer, so that it may all be readily caught by a goblet or the like, while they do not interfere with closing the jaws upon even a thin slice of fruit, so as to express all its juice, and they facilitate the separation of the refuse and the thorough cleansing of the surfaces. The squeezer is held, with the open edge downward, over a receptacle for the juice, and sufficient pressure is readily applied to

the jaws in the ordinary way. The hard non-corrodible and non-absorbent material of which the face-plates or their enamel is composed preserves the form of the pressing-surfaces and protects the same against the acid of the fruit, besides facilitating the cleansing operation, and, owing to the said mode of attaching the face-plates to the jaws, they may be readily separated to facilitate thorough cleansing, while the set-screws *u u*² preclude subjecting the face-plates to a breaking strain, besides aiding to tighten the latter.

C represents a top shield, in the form of a rigid lip, at the upper edge of the face-plate B, adapted to close into the recess *w*² above the face-plate B², as shown in Fig. 5, and to prevent the escape of the juice of the fruit at top. This shield, it will be observed, is integral with the said face-plate B, so as to be molded of or enameled with the same non-corrodible and non-absorbent material as the latter, and is attached therewith to the pressing-jaw A without forming additional joints. Integral end shields, substantially like the top shield, C, may be formed on either or both face-plates to prevent the escape of juice at the ends of the jaws.

We are aware that removable face-plates have heretofore been used; and we are also aware that the upper jaws have been provided with downwardly-projecting flanges to cover the upper edges of the lower jaws when the said jaws are brought together; and we therefore do not claim such inventions.

We claim as our joint invention and desire to secure by Letters Patent—

In a fruit-squeezer having flat or nearly flat pressing-surfaces, the combination of jaws having lever-handles integral therewith, and face-plates held in transverse dovetail seats in the faces of the respective jaws by means of clamping-screws, and supported therein by central set-screws, substantially as herein specified.

PHILIP H. STEIN.
JAMES TAMS.

Witnesses to signature of P. H. Stein:

GEO. R. LEE,
HENRY A. LINN.

Witnesses to signature of James Tams:

GEORGE F. BUTTERWORTH,
PAUL YEAKEL.