

S. KONZ.
Clamp.

No. 219,276.

Patented Sept. 2, 1879.

Fig. 1.

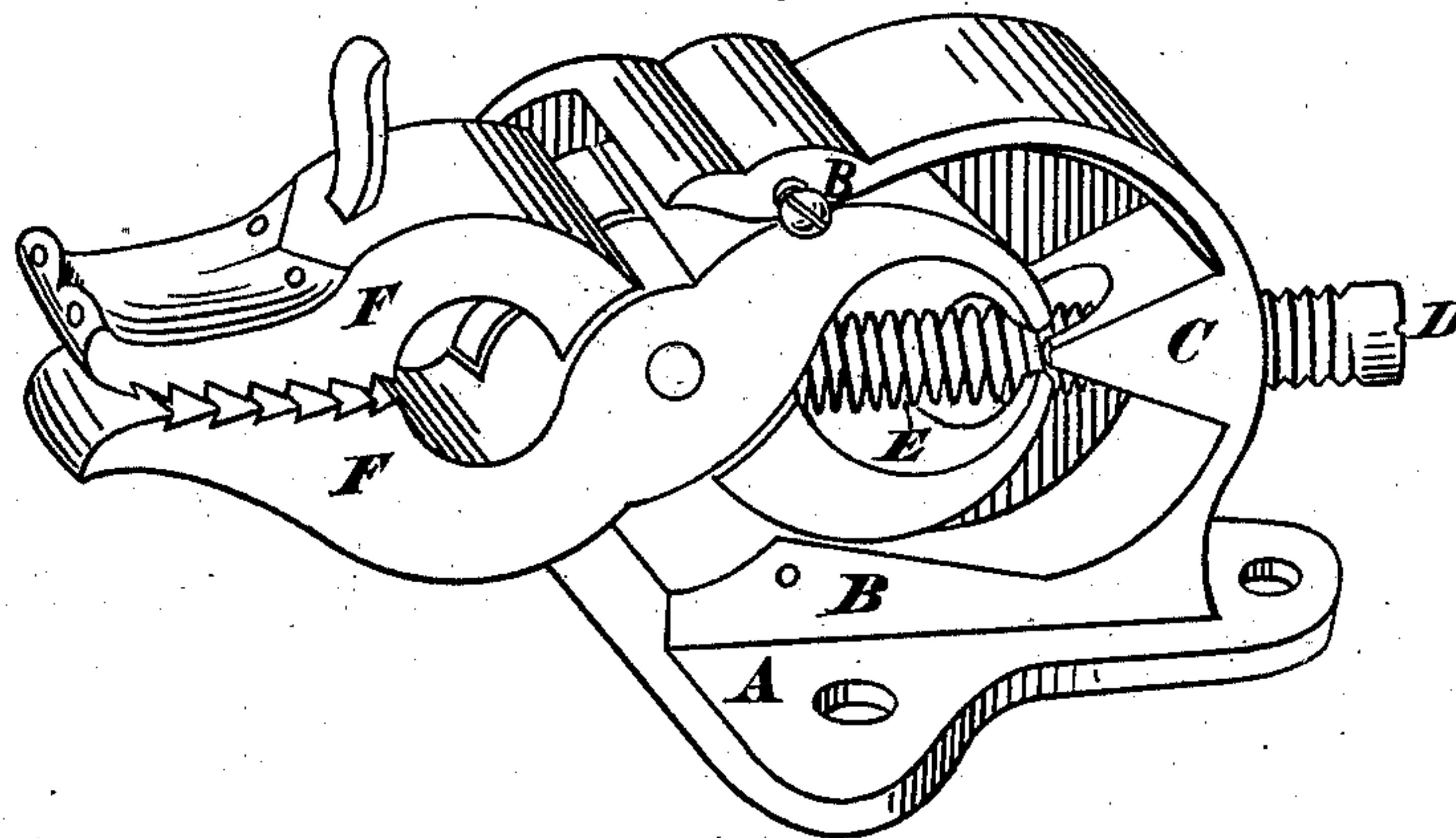
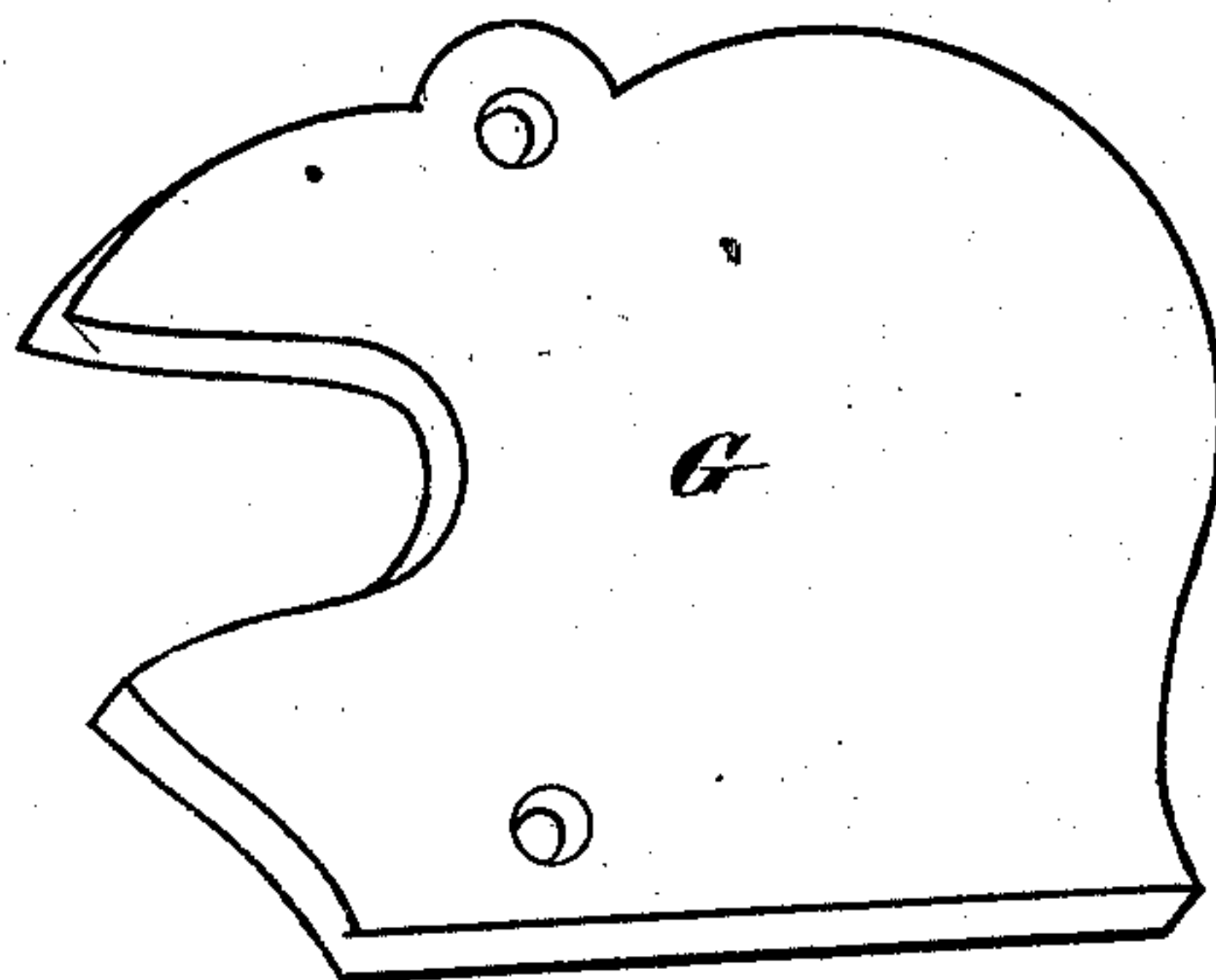


Fig. 2.



WITNESSES.

Frank Pardon
C. Hewitt

INVENTOR.

Sebastian Konz
by J. S. Hewitt
Attorney

UNITED STATES PATENT OFFICE.

SEBASTIAN KONZ, OF LOUISVILLE, KENTUCKY.

IMPROVEMENT IN CLAMPS.

Specification forming part of Letters Patent No. **219,276**, dated September 2, 1879; application filed November 11, 1878.

To all whom it may concern:

Be it known that I, SEBASTIAN KONZ, of the city of Louisville, in the county of Jefferson and State of Kentucky, have invented a certain new and useful Improvement in Clamps for Holding Cars, also leather, wood, or any article to which it may be adapted; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, forming part of this specification, and to the letters of reference marked thereon.

Figure 1 is a perspective view of the device with the cap removed to show the interior arrangement of its several parts. Fig. 2 is a perspective view of the cap or cover, showing its form.

This my invention relates to a certain new device for holding pieces of wood, leather, gum belting, or other similar articles, the object of which is to provide a neat, cheap, and convenient device for the use of workmen in wood, leather, and other similar articles, for holding the same in position while under the process of manipulation.

This device is so arranged that anything inserted between the jaws cannot be drawn out by direct forward pressure, but may be easily detached by pressing back the jaws with the thumb, thereby rendering it an article of convenience in many of the branches of trade carried on in our manufacturing establishments.

This invention will be more fully illustrated in detail in the drawings, in which—

A represents the base-block and casing, which is made of metal, and in form as shown in the drawings, with holes in the lugs of the base, by which it may be fastened to a bench or table.

B B are inclined planes formed on the case, for forcing up the jaws upon the article within their grasp when direct forward pressure is applied.

C is a wedge projection cast inside of the rear end of the casing, for the purpose of opening the jaws when pressed back.

D is a set-screw for regulating the pressure on the spiral spring E, which gives power to gripe the article within the jaws by forcing the lower part of the back end jaws up the inclined plane B, assisted by the direct forward draft on the article within the jaws.

F F are the catch-jaws, the front or catch parts of which are made in form as shown in the drawings, while the back parts are made somewhat in the form of an S, hinged together in the center, so as to form jaws similar to an ordinary pair of pinchers, with the spiral spring E passing between the points through an opening, which permits it to extend up against the hinge-joint as a base, against which to apply the power necessary to close the jaws. These jaws F F are made of wrought-iron, faced with steel at the catch part, and so tempered as not to be easily damaged.

Having thus fully described the nature and object of this my invention, its operation is simply that of pressing back the jaws with the thumb, which causes them to open to receive the article, and by means of the spring E they are forced up the inclined plane B, which closes them firmly, and by means of the direct forward strain on the article held they are still more firmly closed.

G is the cap of the casing.

Having thus fully described the nature and object of this my invention, what I claim as new, and desire to secure by Letters Patent in a device for holding leather and other articles, is—

The combination of the catch-jaws F F, inclined planes B B, wedge C, spring E, set-screw D, base-block and casing A, when arranged, constructed, and operated substantially as herein described, and for the purpose hereinbefore set forth.

SEBASTIAN KONZ.

Witnesses:

FRANK PARDON,
C. HEWITT.