(No Model.)

E. J. BROOKS.

SEAL PRESS.

No. 301,043. Patented June 24, 1884.

FIG. 1.

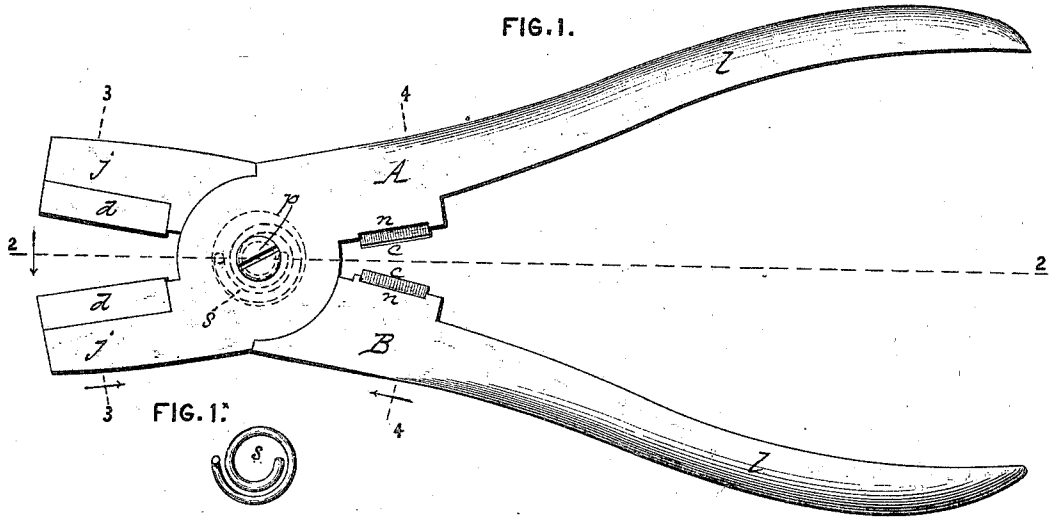


FIG. 1.

FIG. 2.

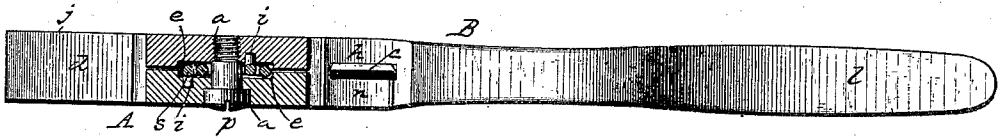


FIG. 3.

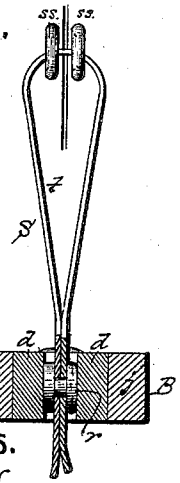
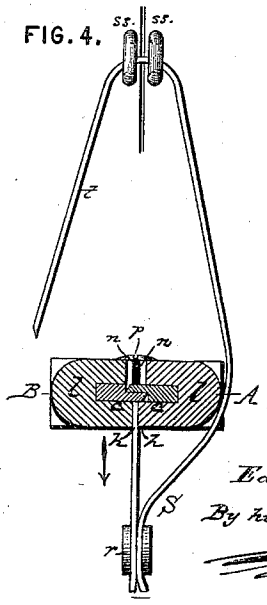


FIG. 4.



WITNESSES.

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UNITED STATES PATENT OFFICE.

EDWARD J. BROOKS, OF EAST ORANGE, NEW JERSEY, ASSIGNOR TO E. J. BROOKS & CO., OF NEW YORK, N. Y.

SEAL-PRESS.

SPECIFICATION forming part of Letters Patent No. 301,043, dated June 24, 1884.

Application filed October 25, 1883. (No model.)

To all whom it may concern:

Be it known that I, EDWARD J. BROOKS, a citizen of the United States, residing at East Orange, in the State of New Jersey, have invented a new and useful Improvement in Seal-Presses, of which the following is a specification.

My present invention is embodied in a small plier-press, primarily designed for use in connection with my tin-and-rivet seals, patented June 27, 1882, as set forth in my specification forming part of United States Patent No. 260,279, my tin-and-eyelet seals, patented October 16, 1883, as set forth in my specification forming part of United States Patent No. 286,775, and other seals of the same classes.

This invention consists in providing the press or pliers with a shackle-cutter of peculiar construction, adapted to hold onto the cut shackle or tin strip, releasing only that end thereof which is freed from the seal portion, so that the cut seal may be readily withdrawn from the sealing-staples of a car, for example, by means of the press without endangering the hands of the officer by contact with the sharp edges of the tin strip, the press, including its shackle-cutter and puller aforesaid, being adapted to be made with its main parts—two in number—identical or substantially identical with each other, whereby manufacture is facilitated, and a superior article may consequently be furnished at a relatively low cost as compared with seal-presses heretofore in use.

A sheet of drawings accompanies this specification as part thereof.

Figure 1 of these drawings is a side view of my aforesaid seal-press adapted for pressing rivet-seals. Fig. 1ˣ is an elevation of its spring, as shown in dotted lines in Fig. 1. Fig. 2 represents a longitudinal section of the press on the line 2 2, Fig. 1; and Figs. 3 and 4 represent, respectively, cross-sections at 3 3 and 4 4, Fig. 1, illustrating its operation.

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

This seal-press is composed of two main parts, A B, a helical wire spring, *s*, and a pivotal screw or rivet, *p*, with a pair of sealing-dies, *d d*, and a pair of cutters, *c c*, carried by said main parts as portions thereof. Said main parts A B are intended to be malleableized iron castings, with said cutters *c c* and dies *d d*, of steel, cast fast therein. They are further provided with notches *n n* adjacent to the respective cutters *c c*, and with flush or prominent holding-surfaces *h h* opposite the same, as shown in Figs. 2 and 4, and with apertures *a a*, to receive the pivotal screw or rivet *p*, and concentric recesses or enlargements *e e* of said apertures *a a*, to accommodate the spring *s* between the main parts, as shown in Fig. 2. Including these features, in the rough, the two main parts are identical with each other, so as to be cast from a single pattern, and are adapted to be finished by one and the same set of gages and tools, save only that indentations *i i* are formed at different points within said recesses *e e* in the respective parts, to receive the respective extremities of said spring *s*, as indicated in Fig. 1, and for the reception of a flush-screw at *p*, as in the drawings, the apertures *a a* in the respective main parts are tapped and countersunk, respectively, as shown in Fig. 2. The respective ends of the two main parts form a pair of jaws, *j j*, which carry the dies *d d*, and a pair of lever-handles, *l l*, which carry the cutters *c c*, and by which the dies and cutters are operated.

The press in normal condition is held open by the action of the spring *s*, as represented in Fig. 1. Grasped by its lever-handles *l l*, it is readily applied to the rivet *r* of a tin-and-rivet seal, S, so as to compress the former, to fasten the seal by closing the die-carrying jaws *j j* thereon, as illustrated by Fig. 3; or, by passing one lever-handle through the loop of the shackle or tin strip *t*, and closing the cutters *c c* and holding-surfaces *h h* upon the latter, as illustrated by Fig. 4, it serves to cut the tin strip by said cutters *c c*, to release one extremity by its notches *n n*, and to hold onto the seal by said holding-surfaces *h h*, so as to pull the shackle out of the sealing-staples *ss*, or the like, with which it was interlocked, so as to obviate grasping the tin strip or endangering the hands by contact with its sharp edges, as also to facilitate and expedite the unsealing operation.

By simply adding a nipple to one of the dies

d, and furnishing the other with a coinciding aperture, as in ordinary eyeleting-presses, the press is adapted for pressing tin-and-eyelet seals, as aforesaid; and, as adapted to either form of seal, the dies and cutters may be transposed with reference to the pivot *p*, so that the dies *d* shall be carried by the lever-handles *l*, and the cutters *c* with their appurtenances by the jaws *j*, so as to facilitate using the cutters, if preferred.

I am aware that "band-cutters" used in clipping the wire bands around sheaves of wheat as they are fed to a thrashing-machine have been adapted to hold onto one end of the wire band. I do not therefore seek to cover this mode of operation, broadly; neither do I claim herein, broadly, the manufacture of the two main parts of my press of one and the same pattern, knowing this to be old in the manufacture of "pliers" of various kinds; but,

Having thus described my said improvement in seal-presses, I claim as my invention and desire to patent under this specification—

A seal-press in the form of pliers, having fastening-dies *d*, shackle-cutters *c*, releasing-notches *n*, and holding-surfaces *h*, substantially as herein specified, the two main parts in rough being adapted to be made of one and the same pattern, for the purposes set forth.

EDWARD J. BROOKS.

Witnesses:

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J. S. JENNINGS.