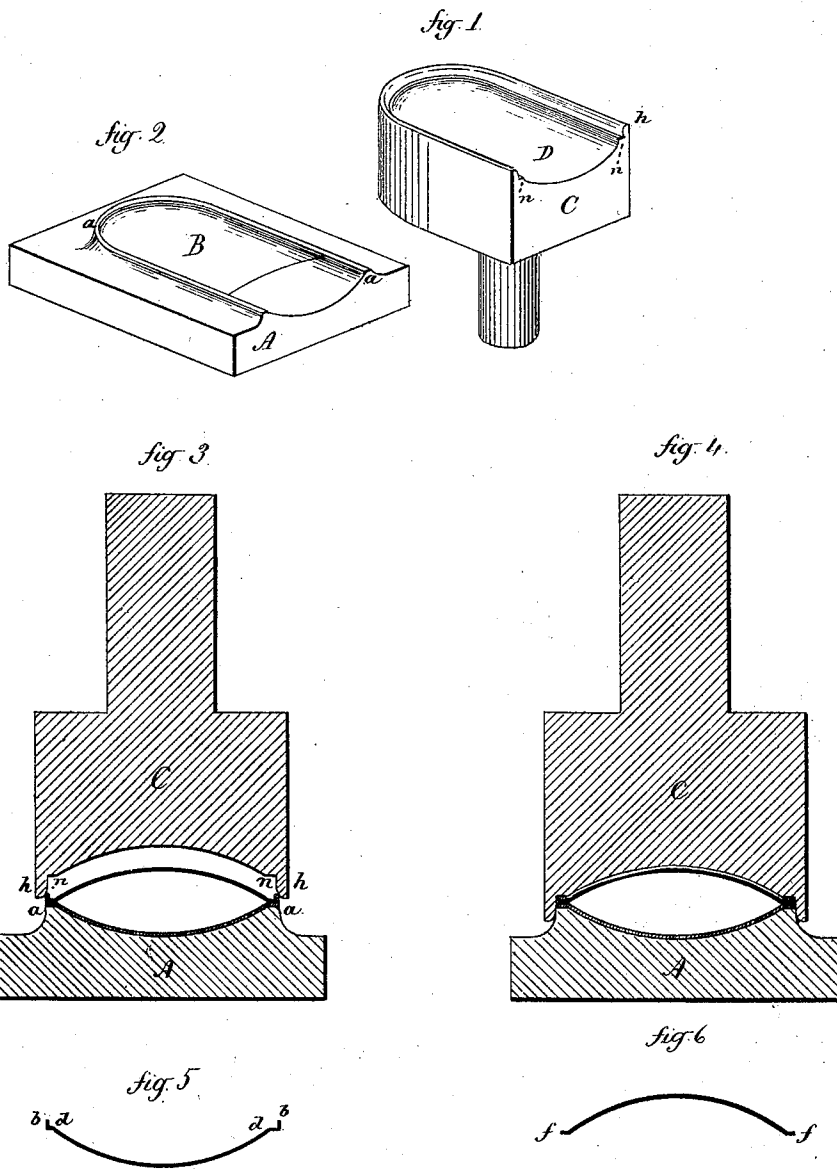


C. BUCKLEY.

Dies for Seaming Sheet-Metal Cases.

No. 149,194.

Patented March 31, 1874.



Witnesses

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CHAUNCEY BUCKLEY, OF MERIDEN, CONNECTICUT, ASSIGNOR TO CHARLES PARKER, OF SAME PLACE.

IMPROVEMENT IN DIES FOR SEAMING SHEET-METAL CASES.

Specification forming part of Letters Patent No. **149,194**, dated March 31, 1874; application filed August 16, 1873.

To all whom it may concern:

Be it known that I, CHAUNCEY BUCKLEY, of Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Dies for Closing or Seaming Sheet-Metal Cases; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of the upper portion of the die inverted; Fig. 2, a perspective view of the lower portion; and in Figs. 3 and 4, vertical sections to illustrate the operation.

This invention relates to an improvement in dies for seaming and closing metal cases, such as are used for spectacles, eyeglasses, matches, &c.; and it consists in constructing a die with a cavity of the form of one side of the case, with a narrow ledge extending around the cavity, corresponding to the seam in the case, and in width equal only to the seam, combined with a second die, having a cavity corresponding to the cavity and ledge of the first, with a flange projecting down outside the said ledge so as to close over it, to operate as more fully hereinafter described.

I illustrate the invention as for forming eyeglass-cases; for spectacle and match cases the construction is the same, with the exception of being made longer for spectacle-cases, and the ledge extending entirely around for match-cases, or cases which are formed alike at both ends and then cut.

A is the lower die, in which is a cavity, B, corresponding to one side of the case, and

around the cavity a ledge, *a*, extends, as seen in Fig. 2. The side of the case for this die is formed, as seen in Fig. 5, from any suitable metal, bent to form an angle, as at *d*, and the edge turned up, as at *b*, the ledge *a* corresponding to the flat portion between *b* and *d*, which is to be the seam in the case. This blank is laid in the cavity of the die A, as seen in Fig. 3. The other side, as seen in Fig. 6, is formed with a flat edge, *f*, corresponding to the flat portion *d* of the other part, and so as to be placed therein, as seen in Fig. 3. The upper portion C of the die is formed with a cavity, D, corresponding to the other side of the case, and with a flat edge, *n*, around the cavity, corresponding to the ledge *a*. Around the die, outside the edge *n*, a flange, *h*, projects downward, flaring or curved outward, as seen in Fig. 3. This die C is brought down over the other die, the flange *h* striking the edge *b* of the metal, turning it inward until the edge *n* strikes it and closes it hard down upon the other portion of the case, forming a thin seam or edge around the case.

I claim as my invention—

The herein-described dies for closing or seaming sheet-metal cases, consisting of the two parts A and C, the part A constructed with a cavity, B, corresponding to one side of the case, and with the ledge *a* around said cavity, and the part C constructed with a cavity, D, corresponding to the other side of the case, and with the flat edge *n*, corresponding to the ledge *a*, and with the flange *h*, substantially as set forth.

CHAUNCEY BUCKLEY.

Witnesses:

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