

No. 619,523.

Patented Feb. 14, 1899.

A. J. WARNER.
LOCK CASE.

(Application filed Feb. 28, 1898.)

(No Model.)

Fig. 1.

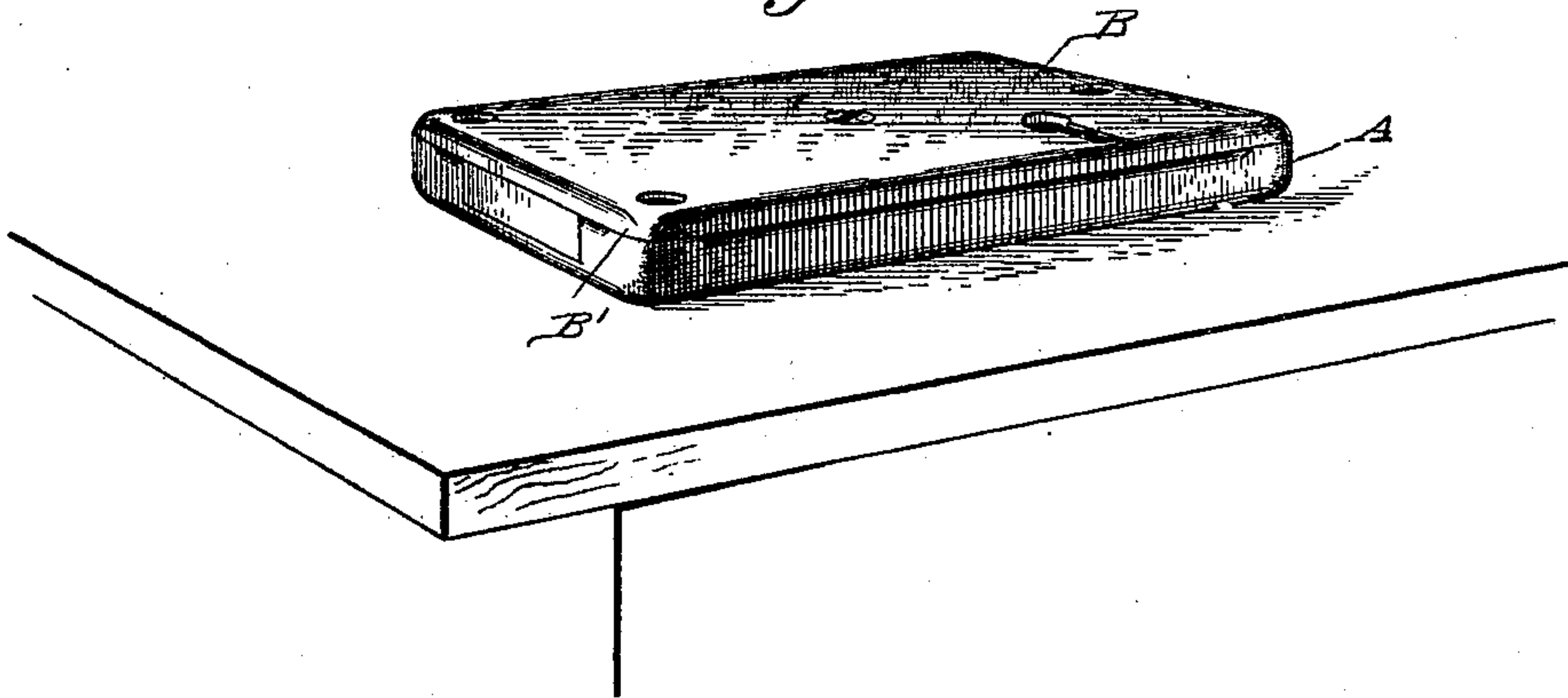


Fig. 2.

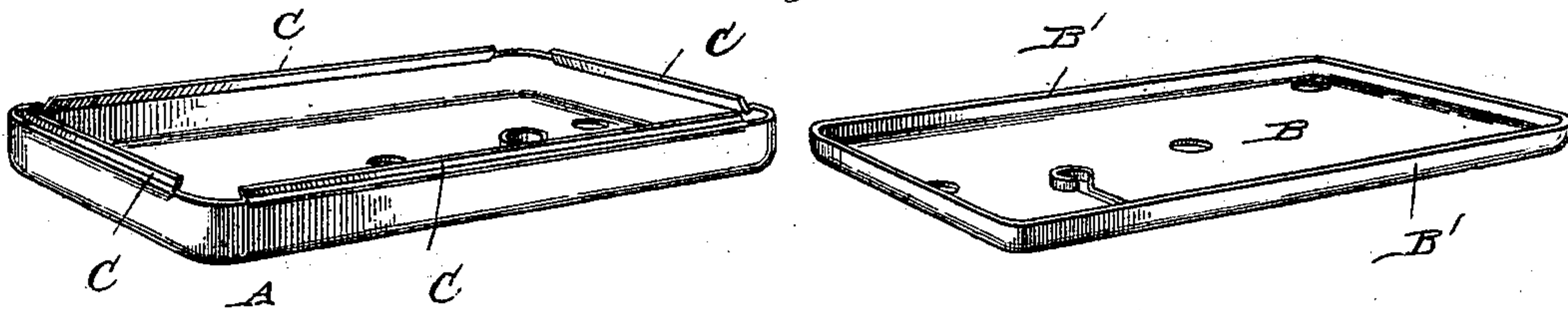


Fig. 3.

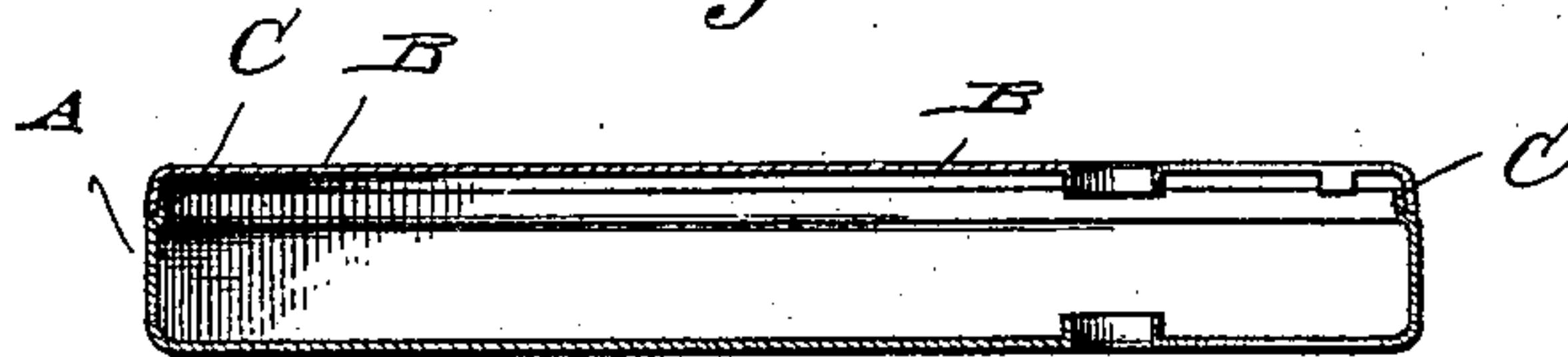


Fig. 4.

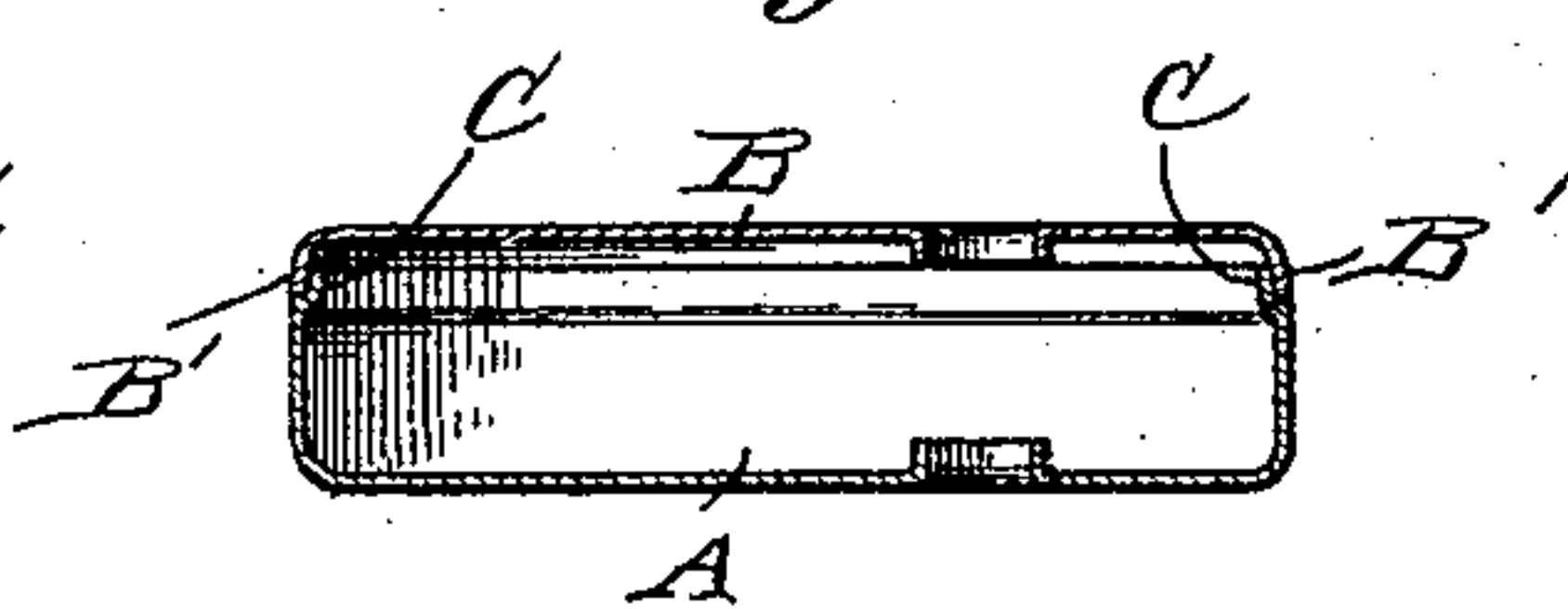
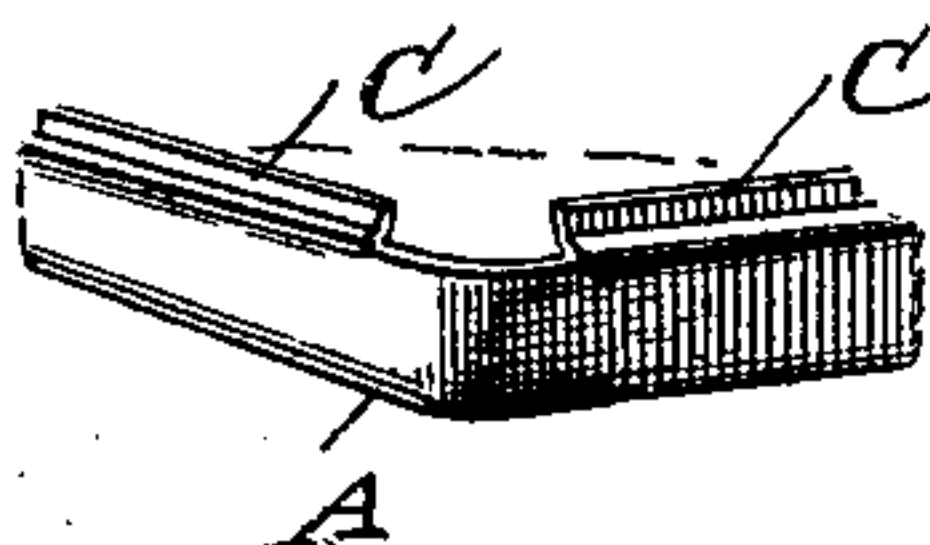


Fig. 5.



Witnesses

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LOCK-CASE.

SPECIFICATION forming part of Letters Patent No. 619,523, dated February 14, 1899.

Application filed February 28, 1898. Serial No. 672,016. (No model.)

To all whom it may concern:

Be it known that I, ADELBERT J. WARNER, a citizen of the United States, residing in the city of Chicago, county of Cook, and State of Illinois, have invented a new and useful Lock-Case, of which the following is a specification.

This invention relates generally to locks and latches, and more particularly to the case for the lock, the object being to provide an exceedingly cheap, simple, and durable construction of case from a single piece of sheet-steel.

Another object of the invention is to provide a sheet-metal case which shall be nearly as rigid as a cast-metal case and one in which the strengthening parts shall act as a bearing or securing means for the cover or cap.

Another object of the invention is to provide a case embodying these characteristics having rounded corners and constructed of drawn metal.

With these various objects in view my invention consists, essentially, in constructing a lock-case or cap for same from a single piece of sheet metal by drawing the same and providing round corners and also a longitudinal inwardly-projecting offset upon the top edges of the sides and ends.

The invention consists also in certain details of construction and novelties of combination, all of which will be fully described hereinafter and pointed out in the claim.

In the drawings forming a part of this specification, Figure 1 is a perspective view of a completed case constructed in accordance with my invention. Fig. 2 is a perspective view showing the cover or cap-plate removed. Fig. 3 is a sectional view of the completed case. Fig. 4 is a sectional view of the case and cover, said cover being removed; and Fig. 5 is an enlarged detail view showing one corner of the case.

In the practicable embodiment of my invention I employ a sheet-steel case A, which is drawn into the shape shown in the draw-

ings, which is essentially rectangular, having rounded corners. The cover or cap-plate B is also constructed of steel and has the edges drawn, as shown at B'. Intermediate the corners the sides and ends are projected slightly, as shown at C, said projecting portions of the sides and ends being bent inwardly, as most clearly shown, thereby providing a bearing or securing means which contact with or engage the drawn or turned edge of the cover or cap-plate, and thereby securely hold said cover or cap-plate in place upon the case, said cover or cap-plate being permanently secured, of course, by means of the well-known fastening-screws. The inward bends extending along the edges of the case greatly strengthen said case and make it very rigid, equal in rigidity to the cast-metal case, thereby avoiding the objection of a flexible sheet-metal case, which objection is common to all sheet-metal cases heretofore constructed of which I am aware.

It will thus be seen that I provide an exceedingly cheap, simple, and efficient construction of drawn-metal lock-case which has a maximum amount of rigidity and at the same time affords a convenient bearing or securing means for the top plate or cover. It will also be understood that the corners can be bent inwardly and that I do not limit myself to a rectangular-shaped case or shell.

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

In a lock-case, the combination with the shell or case having its sides and ends provided with projections which are bent inwardly, of a cover or cap-plate having its edges drawn or turned for engagement with the inwardly-turned edges of the shell or case, substantially as shown and described.

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