

No. 887,136.

PATENTED MAY 12, 1908.

L. SOCHUREK.
SHIPPING CASE.

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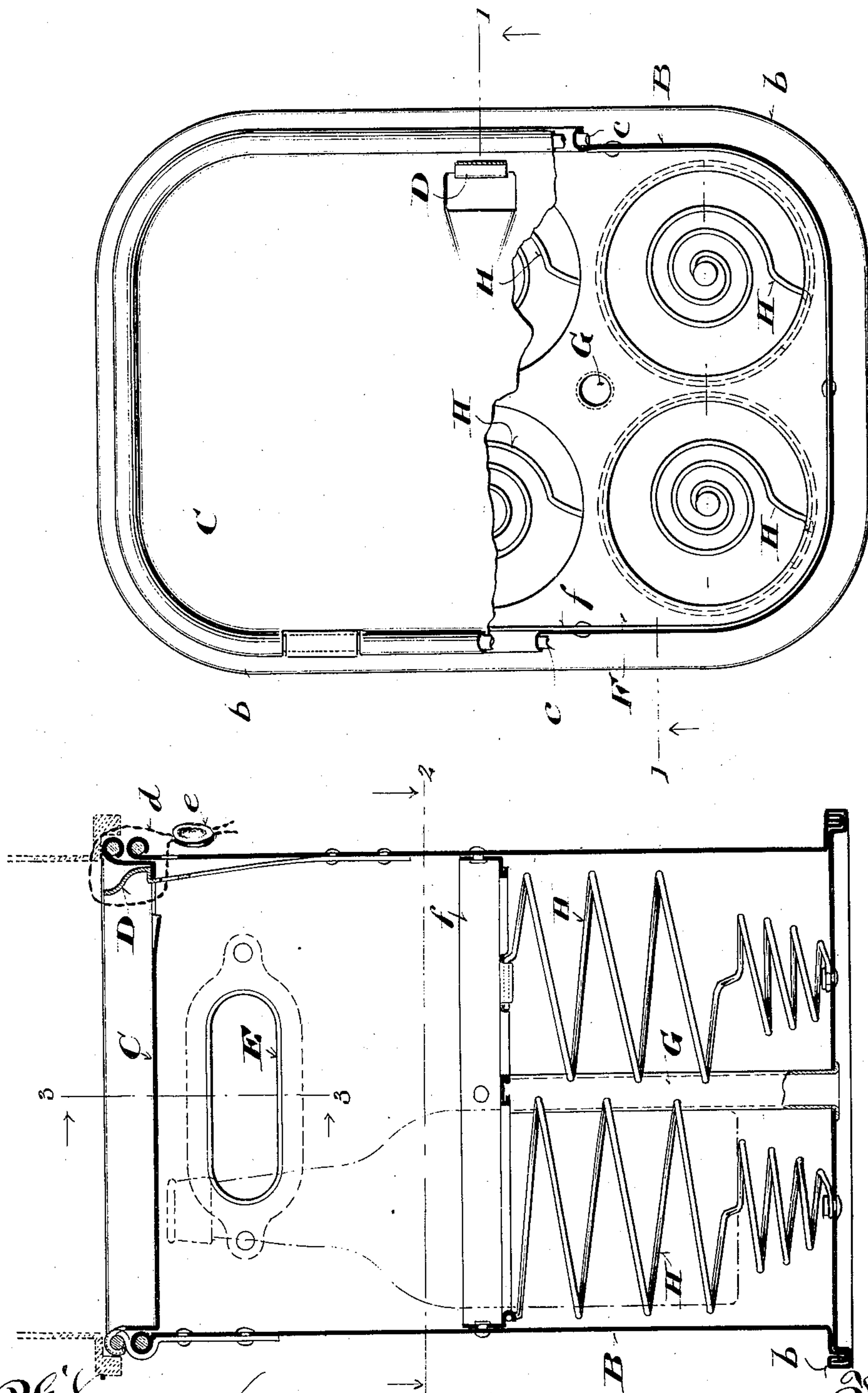


Fig. 2.

Fig. 1.

Fig. 3.

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UNITED STATES PATENT OFFICE.

LOUIS SOCHUREK, OF MILWAUKEE, WISCONSIN.

SHIPPING-CASE.

No. 887,136.

Specification of Letters Patent.

Patented May 12, 1908.

Application filed March 25, 1907. Serial No. 364,287.

To all whom it may concern:

Be it known that I, LOUIS SOCHUREK, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Shipping-Cases; and I do hereby declare that the following is a full, clear, and exact description thereof.

The improvements consist in what is herein shown, described and claimed; the object of the invention being to provide simple, economical sheet-metal shipping cases for bottled goods, the same being especially designed for the bottle-beer trade and having the advantageous features herein set forth with reference to the accompanying drawings.

Figure 1 of the drawings represents a transverse section view of one of my improved sheet-metal shipping-cases, the view being indicated by lines 1—1 in Fig. 2, which Fig. 2, represents a plan view of the case partly in horizontal section on the plane indicated by line 2—2 in Fig. 1, and Fig. 3, represents a sectional view of a detail of the case, the same being indicated by line 3—3 in said Fig. 1.

Referring by letter to the drawings, A indicates the bottom, and B the continuous wall of the approximately rectangular body of a sheet-metal shipping case in accordance with my invention, the corners of same being preferably rounded. The lower end of the body-wall is outwardly flanged and the flange double seamed to the bottom A, the depending continuous seam *b* being the boundary of a space sufficient to provide for the engagement of the upper end of another case when the two are stacked one upon another, as illustrated by dotted lines in Fig. 1. This provision for nesting cases in a vertical direction is an important feature of my invention, it being understood that the aforesaid seam or the case-bottom rests upon the support for the case, when said case is by itself or set on another in a tier of such cases, no reinforcing band being necessary to strengthen the union of the case-wall and bottom. The upper edge of the case-wall is turned on an outer stiffening wire *c* and a similarly wired cover C is provided in hinge-connection with said wall, the wired edges of the wall and cover being vertically parallel when the case is closed, whereby the closed cover is supported by the rim of the case-body. The

major portion of the cover is on a plane below that of its wired edge to fit within the body of the case, and this sunken major portion of said cover is provided with an aperture that permits of its automatic engagement with a spring-latch D attached to the body-wall of the case. To provide for sealing the case, the wall of same and the latch D therewith are shown provided with registering apertures through which to pass a sealing-strip *d* of wire or other suitable material having the ends thereof connected by an ordinary soft-metal seal *e* as shown in Fig. 1.

Each end of the body-wall of the case is provided with an upper central hand-hole and engaging the same is the flange of an open handle E, this flange being turned on said wall to which its ends are riveted.

Riveted or otherwise suitably secured in the body of the case is the continuous upwardly extending flange *f* of a horizontal partition F centrally supported by preferably tubular posts G in connection with it and the case-bottom. The partition is suitably apertured to permit of the engagement of same by bottles, and suitably connected to the case-bottom and underside of said partition, in register with the apertures of same, are spring-cells H for said bottles. Each cell consists of a spring-wire spirally coiled for a portion of its length to conform to the diameter of a bottle for which said cell is designed, and the remainder of said wire is coiled in the form of an inverted conical helix that serves as a cushion for said bottle. The spring-cells are designed to absorb the shocks to which the case may be subjected and thus prevent fracture of the bottles contained therein, said bottles being supported by the cells independently of the other portions of the case.

I claim:

1. A sheet-metal shipping-case having a horizontal partition therein provided with apertures through which to extend bottles, and spring-cells intermediate of the partition and case-bottom, each cell consisting of a spring-wire coiled to have the upper portion of the coil of substantially the same diameter as that of a partition-aperture with which it registers and the lower portion of much less diameter and in the shape of an inverted conical helix forming a cushion support under the upper part.

2. A sheet-metal shipping case having a horizontal partition therein provided with apertures through which to extend bottles, posts arranged to support the partition, and
5 spring-cells intermediate of the partition and case-bottom, each cell consisting of a spring-wire coiled to have the upper portion of the coil of substantially the same diameter as that of a partition-aperture with which it
10 registers and the lower portion of much less diameter and in the shape of an inverted

conical helix forming a cushion support under the upper part.

In testimony that I claim the foregoing I have hereunto set my hand at Milwaukee in 15 the county of Milwaukee and State of Wisconsin in the presence of two witnesses.

LOUIS SOCHUREK.

Witnesses:

N. E. OLIPHANT,
GEORGE FELBER.