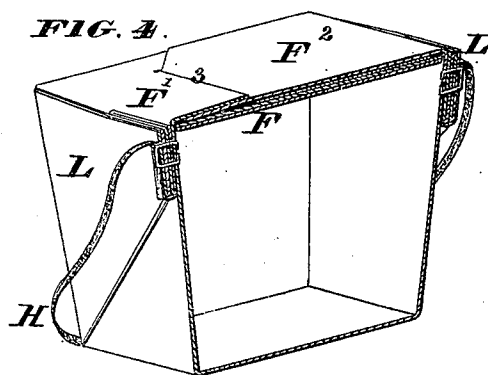
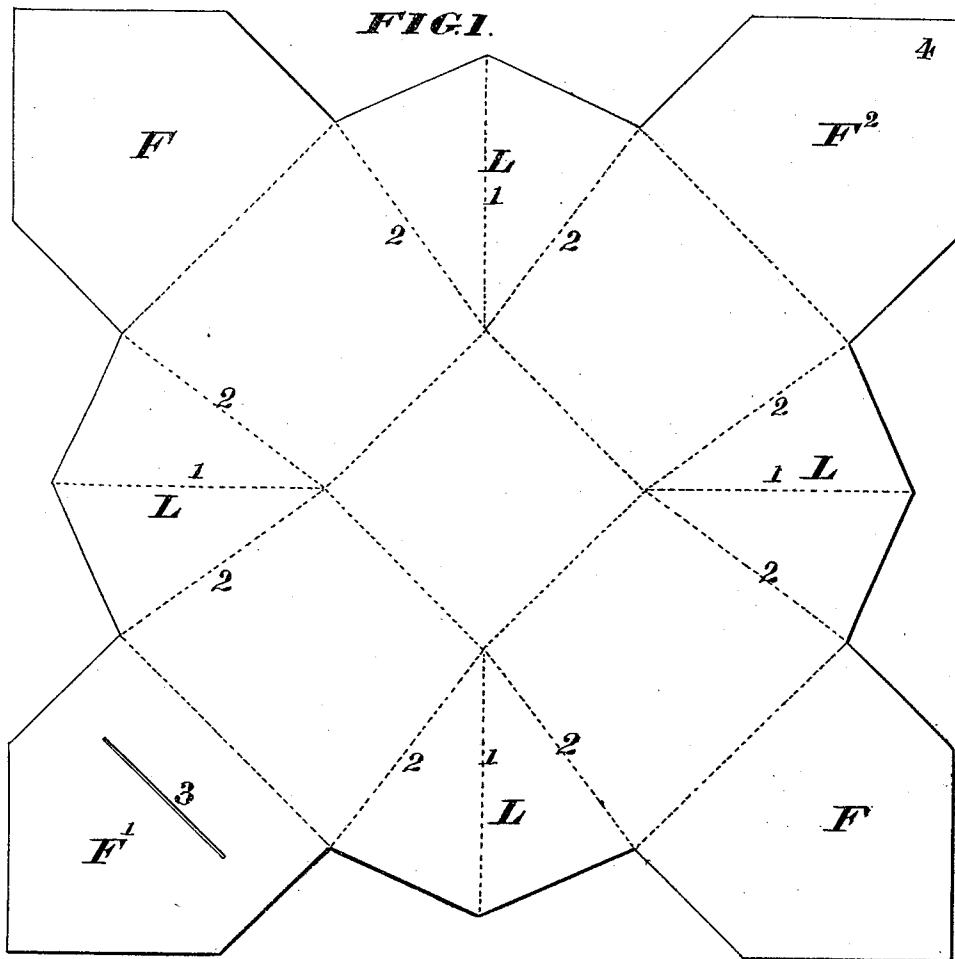


H. R. HEYL.
PAPER BOX.

No. 175,456.

Patented March 28, 1876.



WITNESSES

Walter Allen
H. G. Turner.

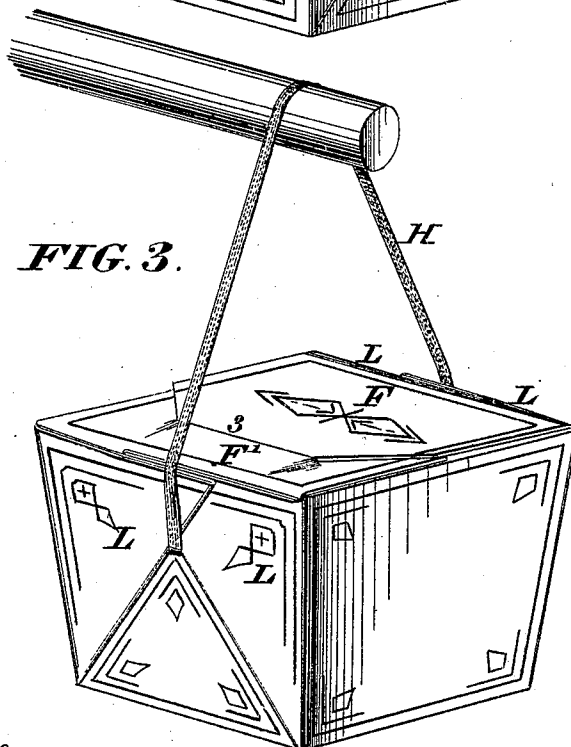
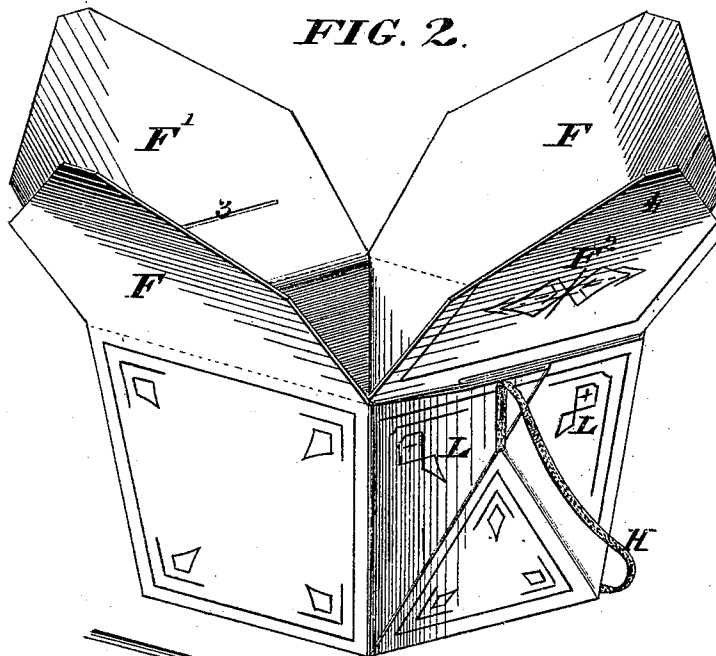
INVENTOR

Henry R. Heyl
By Knight, Prose, Attorneys.

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WITNESSES

Walter Allon
H. G. Tamm.

INVENTOR

Henry R. Heyl
By *Knights & Co.* Attorneys.

UNITED STATES PATENT OFFICE.

HENRY R. HEYL, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE
NOVELTY PAPER-BOX COMPANY, OF SAME PLACE.

IMPROVEMENT IN PAPER BOXES.

Specification forming part of Letters Patent No. **175,456**, dated March 28, 1876; application filed
July 30, 1875.

To all whom it may concern:

Be it known that I, HENRY R. HEYL, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Paper Boxes, of which the following is a specification:

My box is made of a single piece of paper, cut and folded in such shape as to bring all the edges of the paper to the top of the finished box, so that there shall be no incisions in the paper below the top of the box, thus rendering it water-tight; and I prefer to so proportion the folds and lap them at the sides that a single fastening at each side will serve to secure the folds themselves and a handle of ribbon or other material.

In the accompanying drawings, Figure 1 is a plan of a blank suitable for forming one of my boxes. Fig. 2 is a perspective view of the finished box in its open state. Fig. 3 shows the same closed. Fig. 4 is a sectional perspective view.

The blanks for my boxes are cut from a square piece of paper with little waste, the flaps F F F¹ F², to serve as covers or instead of a lid, being formed from the corners of the square sheet of paper. The blanks, after being cut to proper shape, are creased at the lines of all the angles or folds made necessary in forming the blank into a box, and are also printed as required, preparatory to making up. The blank, thus prepared, is bent at 1 1 1 1, so as to bring the angles 2 2 2 2 together. The laps L L L L, thus formed, are then folded around against the sides of the box, either inside or outside, and then secured.

I prefer, for reasons hereafter given, to fold these laps outside and around two opposite sides of the box, so that the two pairs of laps, together with the two ends of the handle of ribbon or tape, may be secured by a single staple-fastening at each side, as shown in Fig. 4.

These staples are readily made and applied by the improved machine described in another application for Letters Patent which I have executed of even date herewith. I do not, however, limit myself to the use of wire staples in the construction of the box which forms the subject of this application, as it is manifest that the parts may be secured by other fastenings, or by cement.

The laps may be folded inside or outside, as preferred; but for ice-cream, fruit, and most commodities for which the box is specially intended, a smooth inside is an advantage, while the external flaps may be made to add to the attractiveness of the box, as shown.

The downwardly-tapering form of the boxes adapts them to be nested together, so that a large number may be packed in small compass for shipment or storage.

It will be observed that the manner of folding brings all the edges to the top of the box, so that it will hold liquids.

In closing the box the flaps F F are folded in first, affording, by their edges, a horizontal support to the joined sides, and thus preserving the rectangularity of the box. The flap F¹, containing the slit 3, is next folded down, and finally the flap F², the end 4 of which is tucked into the slit 3 as a fastening.

I claim as new—

The box herein described, formed of a single piece of paper, shaped and folded, substantially as indicated in Fig. 1, so that the corner folds shall form laps L, which, when united to the body, shall secure the blank in box form, and retain the flaps F F F¹ F² in proper position to form the cover.

HENRY R. HEYL.

Witnesses:

OCTAVIUS KNIGHT,
WALTER ALLEN.