J. S. CRATE.

FOLDING BOX FORM.

APPLICATION FILED SEPT. 18, 1917.

1,277,873. Patented Sept. 3, 1918.

Fig. 1,

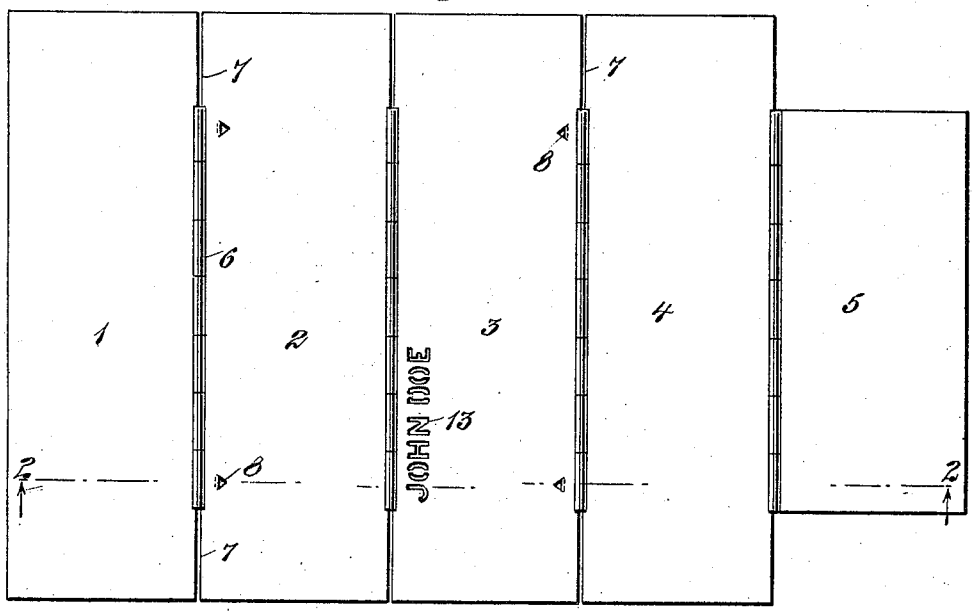


Fig. 2,

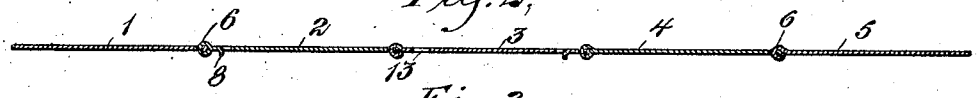
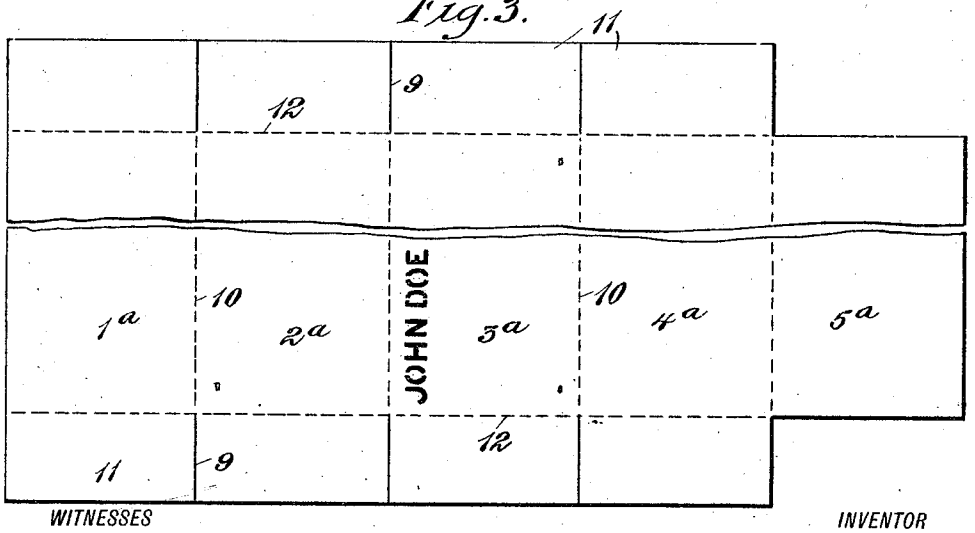


Fig. 3.



WITNESSES

Edw. Thorpe.

C. Bradway

INVENTOR

J. S. Crate.

BY Munn & Co.

ATTORNEYS

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES SEARLE CRATE, OF OAKHURST, TEXAS.

FOLDING BOX-FORM.

1,277,873. Specification of Letters Patent. Patented Sept. 3, 1918.

Application filed September 18, 1917. Serial No. 192,032.

To all whom it may concern:

Be it known that I, JAMES S. CRATE, a citizen of the United States, and a resident of Oakhurst, in the county of San Jacinto and State of Texas, have invented a new and Improved Folding Box-Form, of which the following is a full, clear, and exact description.

This invention relates to a form for making boxes from corrugated board or the like, and has for its general object to provide a form or pattern which is so designed as to enable a box blank to be easily and quickly cut out in such a manner that it can be readily folded into the desired shape.

A more specific object of the invention is the provision of a form composed of a plurality of sections hingedly connected together so that the form can be conveniently handled or stored away, there being slits between the ends of the sections to enable the blank to be slit at these points to form the end flaps of the box, and, if desired, one of the sections may have a stencil, whereby the proprietor or firm name may be printed on the box blank. Separate forms will be required for different sized boxes and each form may have its box size stamped thereon.

With such objects in view, and others which will appear as the description proceeds, the invention comprises various novel features of construction and arrangement of parts which will be set forth with particularity in the following description and claim appended hereto.

In the accompanying drawing, which illustrates one embodiment of the invention and wherein similar characters of reference indicate corresponding parts in all the views,

Figure 1 is a plan view of the form in open condition and ready for use;

Fig. 2 is a sectional view on the line 2—2, Fig. 1; and

Fig. 3 is a plan view of the box blank with an intermediate portion broken away.

Referring to the drawing, 1, 2, 3, 4 and 5 designate the sections of which the form is constructed, and these sections are preferably connected together in the order mentioned, by hinges 6. The sections 1 to 4 inclusive constitute a rectangular body and the hinges 6 extend short of the edges of the body, so that slits 7 are provided at the ends of each hinge. The section 5 is of the same length as its hinge.

In using the form the same is placed on a piece of corrugated board or other stock and it is firmly anchored thereto by means of piercing points 8 stamped out from the sections 2 and 3 and pressed into the corrugated board, whereby the form is held from shifting on the latter. A knife is run around the entire periphery of the form and into the slots 7 whereby the blank A shown in Fig. 3 is produced. This blank is composed of sections 1^a, 2^a, 3^a, 4^a and 5^a, with slits 9 at the ends of the lines of fold 10. By means of these slits the portions between the slits form tabs 11 which are adapted to be bent on the longitudinal fold lines 12. The box blank is first folded along the lines 10, which will bring the section 5^a in folding relation to the section 1^a. The end flaps 11 are then folded in so as to close the ends of the box. A wrapper, string or gummed tape may then be employed to hold the box in folded condition.

It may be desirable to stencil the proprietor's name on the blank and for this purpose stencil letters 13 are cut in the form, as shown in Fig. 1.

From the foregoing description taken in connection with the accompanying drawing, the advantages of the construction and method of operation will be readily understood by those skilled in the art to which the invention appertains, and while I have described the principle of operation, together with the article which I now consider to be the best embodiment thereof, I desire to have it understood that the article shown is merely illustrative and that such changes may be made when desired as fall within the scope of the appended claim.

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

A box-making form comprising four plate - like oblong, rectangular sections, hinges respectively connecting the longitudinal edges of adjacent sections and of such length that cut-guiding slits are provided between adjacent sections at the end of each hinge, said hinges being parallel, a fifth shorter plate-like section, and a hinge connecting the fifth section with the outer edge of one of the outermost sections.

JAMES SEARLE CRATE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."