R. W. PITTMAN.

EXPANSION ENVELOP.

APPLICATION FILED FEB. 16, 1910.

975,792.

Patented Nov. 15, 1910.

Fig. 1.

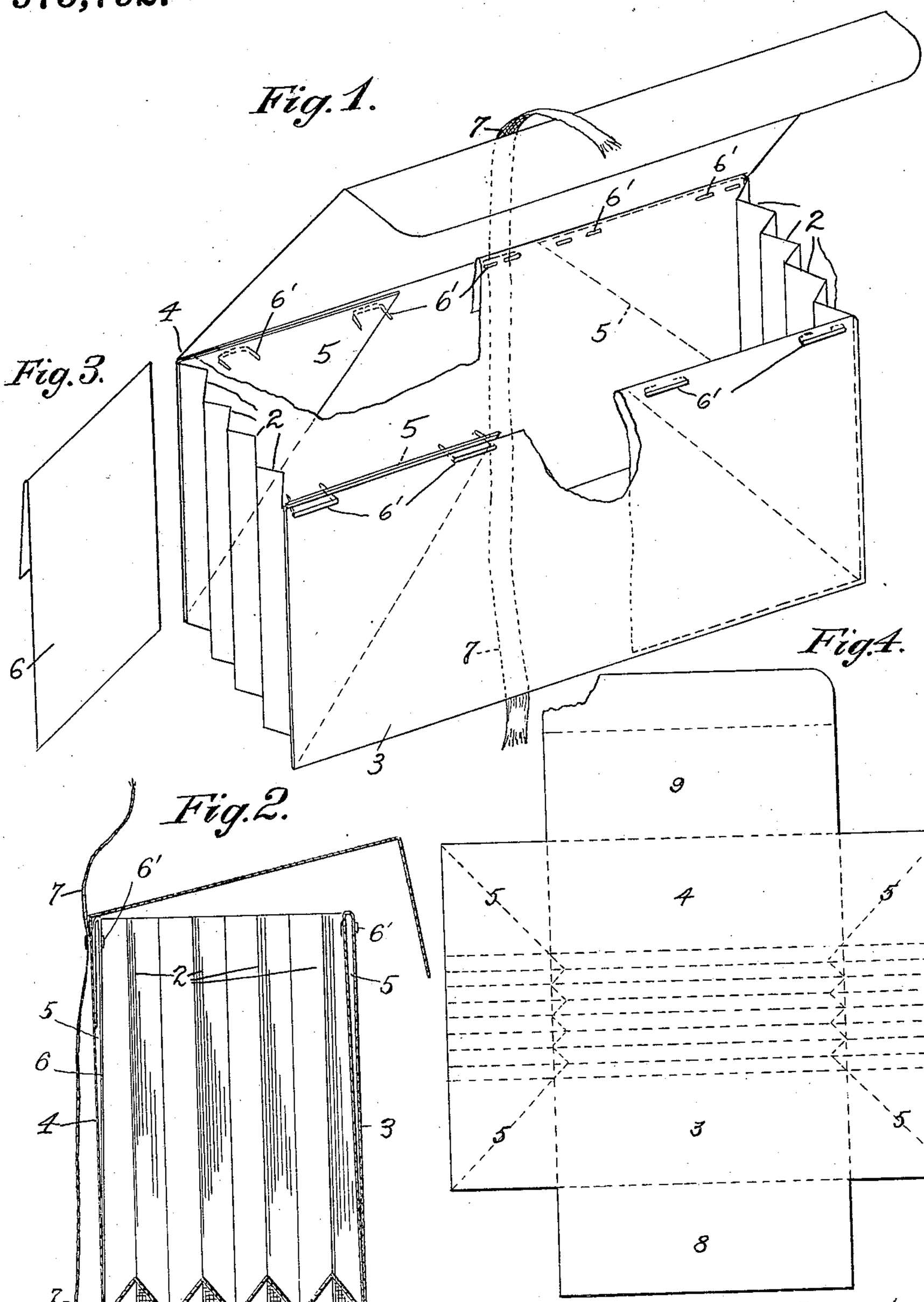

Fig. 3.

Fig. 4.

Fig. 2.

Witnesses:

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UNITED STATES PATENT OFFICE.

REINHART W. PITTMAN, OF NEW YORK, N. Y.

EXPANSION-ENVELOP.

975,792. Specification of Letters Patent. Patented Nov. 15, 1910.

Application filed February 16, 1910. Serial No. 544,236.

To all whom it may concern:

Be it known that I, REINHART W. PITTMAN, of the borough of Manhattan, city and State of New York, have invented a certain new and useful Improvement in Expansion-Envelops, of which the following is a specification.

This invention has for an object to cheapen the cost of manufacture of articles of the above character by so shaping the blank or blanks from which the envelop is made that a minimum number thereof suffices to complete the envelop. The creased blank or blanks for an envelop may be secured in the folded condition by stapling or gluing. By thus making the greatest number of envelop parts in one integral blank the number of separate blanking operations is reduced, the labor of assembling and attachment lessened, etc.

The present envelop embodies a single main blank forming in general when creased and folded the bellows plaiting or gussets, the two envelop sides, and an inner side facing or strengthening piece together with other envelop parts depending on the character of the envelop to be manufactured.

In the drawing accompanying the present specification Figure 1 is a perspective view of an expansion envelop embodying my present improvements, parts being broken away. Fig. 2 is a cross section thereof. Fig. 3 is a detail of a separate reinforce for one of the envelop sides. Fig. 4 is a plan of an envelop-forming blank, the creasing lines on which are dotted.

Similar characters of reference designate corresponding parts in all figures.

The present envelop is of the ordinary expansion type in that it is made with the desired number of the usual gussets or plaits. The illustrated envelop is provided with four such plaits marked 2.

The envelop-forming blank may be cut in the usual manner from appropriate stock. Such blank in this instance comprises a rectangular bottom and end-forming portion 2 creased along lines indicated in a general way by dotted lines to form when folded along these lines the bottom and end plaits 2 of the envelop.

In accordance with this invention, the one piece blank thus far described also includes portions 3 and 4, constituting the respective sides 3 and 4 of the envelop when folded. In the preferred form, also, the blank has the integral portions 8 and 9, the former when folded constituting a reinforce 8 for that side of the envelop. Portion 9 when folded forms the envelop flap 9, but when the envelop is flapless this portion may constitute a reinforce similar to reinforce 8.

If the presence of corner strengtheners is desirable, these may be formed by portions 5, 5, 5, 5 of the blank, these being creased along respective diagonals indicated and forming when folded triangular braces or folds 5 indicated in Fig. 1.

I have indicated in Fig. 3 a separate inner reinforce 6 for that side of the envelop from which the flap extends.

The parts of the folded envelop may be held together as an integral whole by various means. For instance staples 6 may be used as indicated in Fig. 1, or the parts may be glued together in the usual manner. The usual binding tape is designated by 7. It is thus seen that the present envelop is made from a single-piece blank or at the most two pieces, and that it is strengthened at all essential points and in a manner such that the mere stapling of the parts together completes the finished article.

Having described my invention, I claim:

An expansion envelop embodying a flap, bottom and end plaits, envelop sides, triangular corner folds and an inner reinforce folded down over two contiguous corner folds, all integral with the material of the plaits, combined with a second reinforce separate from the flap and folded down over the remaining two corner folds, and means for securing the parts together.

In witness whereof I have signed this specification in the presence of two subscribing witnesses.

REINHART W. PITTMAN.

Witnesses:
C. H. WEED,
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