N. P. MOSES.

INSERT FOR CATALOGS OR SPECIMEN BOOKS.

APPLICATION FILED APR. 1, 1918.

1,368,043. **Patented Feb. 8, 1921.**

Fig. 1.

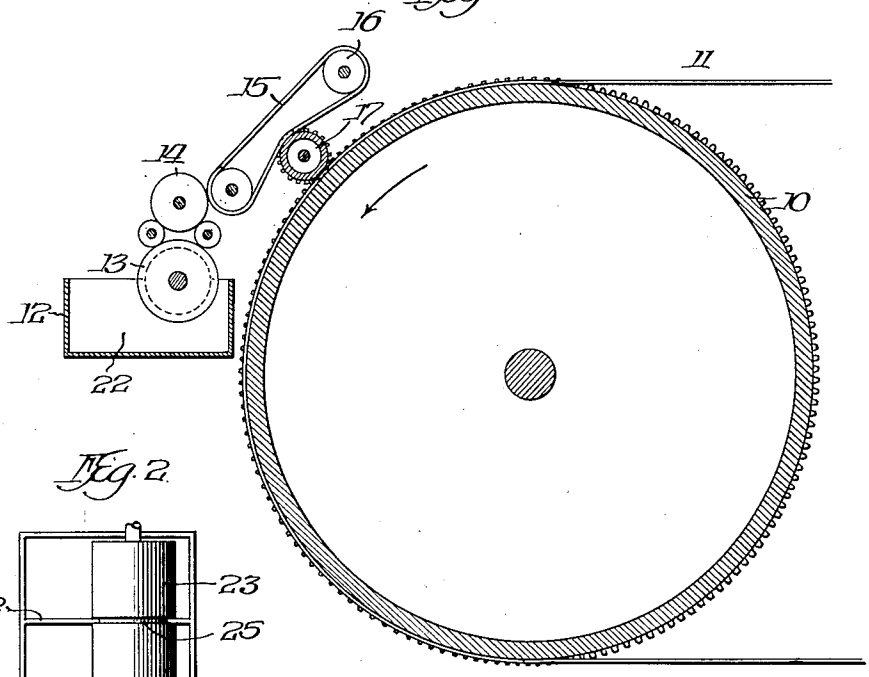
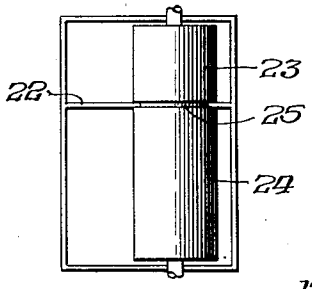


Fig. 2.



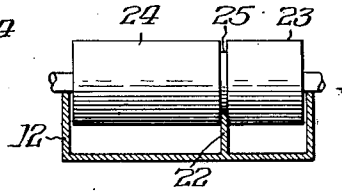


Fig. 3.

Fig. 4.

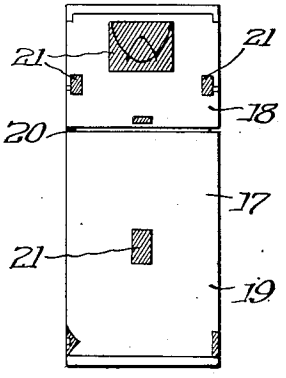
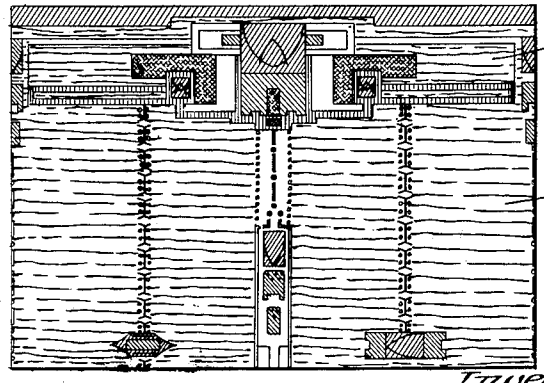


Fig. 5.



Witness:

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UNITED STATES PATENT OFFICE.

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INSERT FOR CATALOGS OR SPECIMEN-BOOKS.

1,368,043. Specification of Letters Patent. Patented Feb. 8, 1921.

Application filed April 1, 1918. Serial No. 225,851.

To all whom it may concern:

Be it known that I, NICHOLAS P. MOSES, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Inserts for Catalogs or Specimen-Books, of which the following is a specification.

The present invention relates to inserts for catalogs or specimen books embodying wall paper in miniature sheets produced in the characteristic inks employed in wall paper work, and with the filling or side wall design and the appropriate frieze or border combined for display in unitary form.

The invention contemplates primarily a novel insert of the character mentioned by which it is possible to produce in miniature simultaneously and upon a single sheet both the filling or side wall design and the frieze or border to match the same. The frieze, therefore, thus is grouped or assembled with the wall design and the effect of the two in their relation each to the other immediately is discernible. This provides not only for convenient and ready display of the frieze and side wall patterns, but it avoids the necessity for separate production of the same, thus reducing the cost of printing and also providing for more convenient attainment of the unitary assemblage.

The invention is designed for production of miniature sheets of wall paper for binding in catalogs or specimen books wherein it is desired that the wall and frieze shall be displayed in associated relation, and to produce such inserts in the natural colors and by the utilization of the inks or pigments characteristic of wall paper production. The observer, therefore, of the inserts as bound in the catalogs readily may see the exact colorings and effects that are presented in the actual sized papers, as well as the grouping of the frieze and the filling or wall designs as the same appear in the full sized papers when hung on a wall.

In the drawings, wherein appears a preferred embodiment of mechanism for carrying the present invention into effect—

Figure 1 is a diagrammatic arrangement of the essential portions of a wall paper printing machine constructed in accordance with and adapted for attainment of the present invention;

Fig. 2 is a top plan view of the ink box and the feed roll thereof;

Fig. 3 is a longitudinal sectional view of the ink box and its feed roll;

Fig. 4 is a plan view of a design roll equipped for printing wall paper as contemplated by the present invention;

Fig. 5 is a conventional illustration of the resultant miniature sheet.

Referring now in detail to the accompanying drawings, the numeral 10 designates the usual drum of a wall paper machine over which the web 11 of paper to be printed is passed. This is constructed in the characteristic manner of wall paper printing machines and operated by the customary mechanism. It will also be understood that there is associated with the drum 10 as many inking and printing mechanisms as is necessary for laying the several colors onto the web 11. Fig. 1 illustrates merely one of these mechanisms, it being understood that this single mechanism typifies the general arrangement to be followed the number of the same being governed by the number of colors to be incorporated in the design.

The inking mechanism includes an ink box or fountain 12 wherein is journaled an ink feeding roll 13, and said roll, through the medium of suitable distributing rolls 14, is designed to feed the ink upon a distributing web 15 which travels around a pair of rolls 16 arranged in proximity to the drum 10. The web 15 is in contact with the design or printing roll 17 bearing that particular portion or portions of the design for laying the color or colors of the web 15 with which it is in contact. Hence, the entire number of printing rolls 17 distributed about the drum 10, as is customary in wall paper machines, coöperate to lay the entire design and the entire grouping of colors which will appear in the printed web as it leaves the drum 10.

It has been premised that the present invention contemplates the simultaneous printing of the frieze and the wall or filling patterns or designs, so that as the web leaves the drum 10 it will have applied thereto as a unitary assemblage the design which is incorporated in the frieze and that which is incorporated in the wall portion. To this end the roll 17 is provided with a plurality

of fields 18 and 19 separated by a groove or grooves 20 in accordance with the number of fields into which the surface of the roll is divided. These fields contain the raised printing surfaces 21 of that portion of the design to be printed by the particular roll 17. Therefore, it will be seen that the field 18 will include the portion of the frieze design which is to be printed in one color, while the field 19 will include that portion of the design of the wall which is to be printed in another color.

To maintain the different colored inks separate from each other the ink box 12 is provided with a partition or partitions 22 thus dividing the box 12 into compartments corresponding in number to the number of fields of the printing roll 17 which is included in that particular printing group. The ink feeding roll 13 is also divided into fields 23 and 24 through the medium of a groove 25 which registers with and receives the partition 22 and thereby permits the fields 23 and 24 to feed the different colored inks from the respective compartments of the box 12 in which said fields 23 and 24 rotate without blending or commingling of the inks. When so fed the ink is transmitted to the inking web 15 and by the latter is applied to the raised design portions of the fields 18 and 19 of the roll 17 for laying these colors on the web 11 as it passes between the roll 17 and the impression roll or drum 10.

In the rotation of the drum 10 the web 11 is fed around the same in the usual way and as the web passes beneath the several printing rolls 17 the design of the latter is printed on the web. Not only is the coloring of the wall laid upon the web. but the coloring of the frieze is likewise laid thereon and regardless of the fact that each printing roll 17 is fed from an ink box containing a plurality of colors, the separation of the fields 18 and 19 of the roll 17 enables the application of these colors without overlapping or commingling of the same.

I claim:

1. As a new article of manufacture, an insert for catalogs or specimen books comprising a miniature sheet of wall paper wherein are included as a unitary assemblage the designs of the filling or wall and the frieze or border displayed in characteristic wall paper inks.

2. As a new article of manufacture, an insert for catalogs or specimen books comprising a miniature sheet of wall paper having at one of its ends the design of the frieze or border, the remainder of the sheet having the design of the filling or wall, whereby to present said designs as a unitary assemblage, said designs being displayed in characteristic wall paper inks.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

NICHOLAS P. MOSES.

Witnesses:
CHARLES S. NOWELL,
WELLS B. LLOYD.