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F. H. GIBSON

2,540,480

PLUG BOX

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Fig. 1.

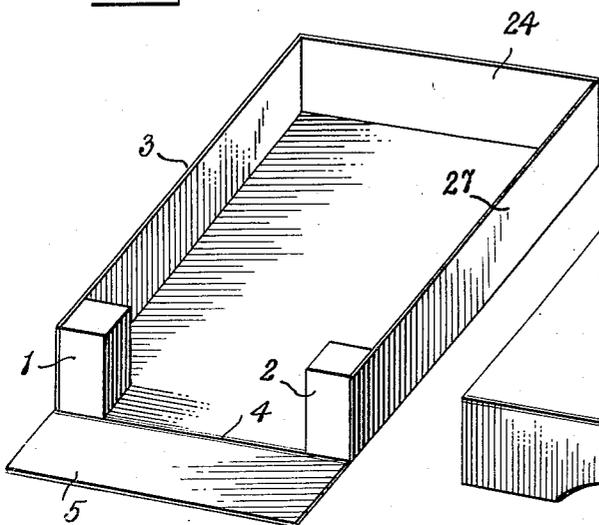


Fig. 2.

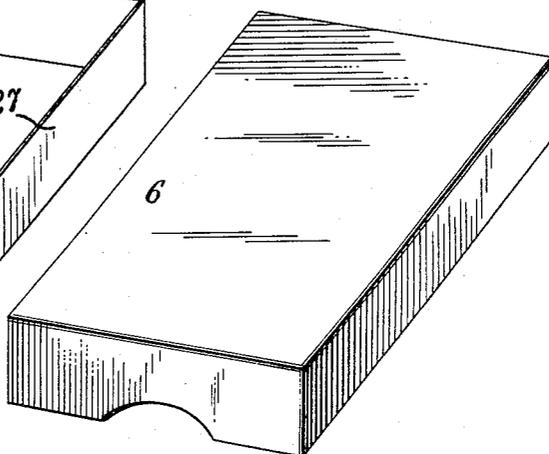


Fig. 3.

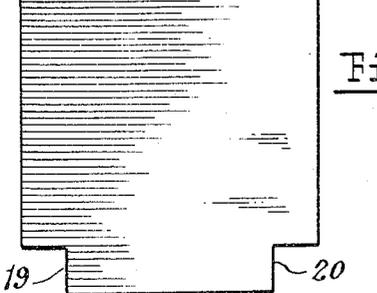
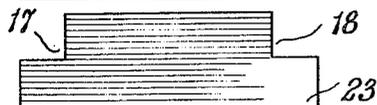
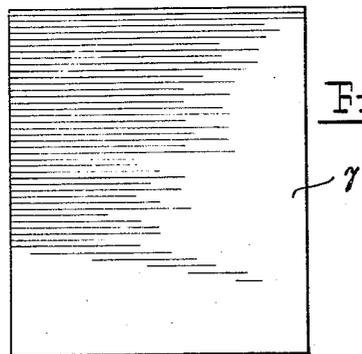
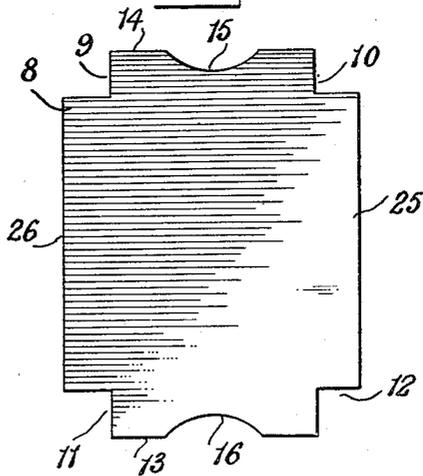


Fig. 4.



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2,540,480

PLUG BOX

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1 Claim. (Cl. 282—29)

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This invention relates to new and useful improvements in boxes for holding collated sheets of carbon and typewriter paper in position therein until removed for use.

An object of the invention is to provide a simple, efficient, strong, box which is so constructed that it will receive and retain a series of sheets in definite position and relation therein, so that when they are inserted in fixed relation to each other they will be in that exact position and relation when the operator is ready to remove them from the box for use.

A further object is to provide a box of the above characteristics which can be strongly made and most economically and for removal of the sheets from the end or the side thereof as may be desired.

Further and more specific objects, features, and advantages will more clearly appear from the detailed specification hereinafter set forth especially when taken in connection with the accompanying drawings which illustrate a preferred present form which the invention may assume and which form part of the specification.

In brief and general terms, the invention comprises a box which may be made of heavy board or any other suitable material and is preferably rectangular in plan view and of a size to receive letterhead size paper or may be of legal size as may be desired. It is provided with a cover which may be separable therefrom or may be pivotally connected as is sometimes the case. The box is relatively shallow in depth and has a wall, either an end or side wall, which is pivoted to drop down and admit of removal of the material therein.

In the corners of the box adjacent the ends of the pivoted wall, are disposed means constructed and arranged to engage the enclosed sheets of paper and carbon and hold them securely in their related positions so that even while the box is being moved around the enclosed material is retained in proper relative alignment. Preferably this means comprises corner posts of a cross section corresponding to the section of cut-out corners especially on the carbon sheets, which extend at their ends slightly beyond the alternate typewriter paper sheets whether second sheets or letterhead sheets as the case may be.

The present preferred form which the invention may assume is illustrated in the drawings of which,

Fig. 1 is a perspective view of the box provided with the invention, with the cover removed;

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Fig. 2 is a perspective view of the box cover;

Fig. 3 is a plan view of a second or copy sheet with or without printed matter thereon;

Fig. 4 is a plan view of a carbon sheet with uncoated ends for cleanness in handling and with notched corners to fit around the corner posts, and mid edge cut outs for the indicator or separator sheets; and

Fig. 5 is a plan view of the indicator sheet or separator sheet used to separate the various groups of sheets such as letterheads, printed forms and second sheets whereby these various groups may be readily picked up for typing.

As shown in the drawings, the invention involves a box 3 of rectangular section and of dimensions to accord with the size of material to be disposed therein. The depth of the box is as usual relatively shallow and an end wall 5 is pivoted at 4 to be hinged downwardly to permit access to material therewithin. The box is provided with a cover 6 of the usual type which may be separable therefrom or may be pivoted there-to as desired.

Adjacent the corners of the box at the ends of the pivoted wall 5 are disposed vertical posts 1 and 2 which are preferably of wood and secured in position in any desired manner. These posts act as means to hold in alignment in the box the various sheets which are to be collated therein, in the manner to be described.

The various related sheets which are to be collated within the box are shown in Figs. 3, 4 and 5. In Fig. 3 is shown a carbon sheet 8 the over-all dimensions of which are the same as those of the box interior. This sheet 8 has cut-out corners at 9, 10, 11, and 12 of a cross section similar to that of the posts 1 and 2. Thus the sheet 8 can be received in the box with the cut-outs at either end disposed around the posts which will then act as anchors for the carbon sheet to hold it in a definite position at all times until it is withdrawn from the box. The sheet 8 also has upper and lower ends 13 and 14 which are preferably uncoated so that these portions may be gripped by the hands of the operator without getting carbon black on them. The mid portions of the ends of the sheet 8 are also cut away as at 15 and 16 so that the ends of the intermediate separator sheets may be seen even while all the sheets are stacked in the box.

In Fig. 3 is shown a typewriter sheet 7 which may be a printed form sheet, a letterhead sheet, or a second sheet as desired. The dimensions of this sheet are in width the same as the box but the length is co-equal with that of the box down to

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the inner face of the posts 1 and 2 so that the lower ends of the carbon and separator sheet extend beyond these sheets 7.

In Fig. 4 is shown a separator sheet 23 which is preferably made of stiffer material and generally of a contrasting color and provided with cut-out corners as at 17, 18, 19, and 20 similar to those on the carbon sheet 8 above mentioned. Thus this sheet will be carefully limited in a definite position within the box. The upper and lower ends of this sheet 23 extend the full length of the box and these ends are visible at the cut-out mid-portions 15 and 16 of the carbon sheets as stated.

If it is desired to construct the box with the side wall 27 pivoted and hinged instead of the end wall 5 then the post 1 may be transferred to the corner 24 as noted so that there will be posts at each end of the pivoted wall to engage the correspondingly cut-outs of the sheets as above described. In this case, of course, the mid-cut portions 15 and 16 will have to be transferred to the sides of the carbon sheet 8 and other relations have to be changed in a manner which will be obvious from what has been above set forth. Also in this instance, the side edges of the carbon sheet 8 would have uncoated edges 25 and 26 for the same purpose as above mentioned.

It is of course apparent that by the proper and desired use of the sheets 7, 8 and 23, various sets of sheets may be collated for use by the operator for whatever purpose desired. There may be merely a series of sets of second sheets with interspersed carbon sheets; or there may be first sheets with second sheets with interspersed carbons; or there may be other sets in one box with the separator sheets disposed in the proper positions to indicate the line of division between the various sets. The carbon sheets by extending beyond the first and second sheets may be removed therefrom when desired with ease and by reason of their uncoated end edges may be thus handled without getting carbon black on the hands.

While the invention has been described in detail and with respect to a present preferred form which the invention may assume, it is not to be

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limited to such form and details since many changes and modifications may be made in the invention without departing from the spirit and scope of the invention in its broadest aspects. Hence it is desired to cover any and all forms and modifications which may come within the language or scope of the appended claim.

What I claim as my invention is:

A container for receiving stacked short un-notched and longer notched paper sheets, said container consisting of a rectangular box having side walls and end walls, one of the end walls being pivotal at its lower edge to enable it to be swung downwardly and thereby open the end of the box at which it is located, each of the side walls being provided with a vertically arranged corner post extending to the same height as the said side walls and located at the end of the box adjacent the pivoted end wall, each post being substantially square in cross section and constituting a notch-guide for corner notches provided in the longer sheets, the inner face of each of the posts forming an abutment surface for the ends of the shorter sheets, the posts co-operating in locating all of the sheets, including the notched portions thereof, within the confines of the box.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
708,489	Morris	Sept. 2, 1902
1,032,918	Malin	July 16, 1912
1,426,657	Long	Aug. 22, 1922
1,787,387	Marz	Dec. 30, 1930
1,803,919	Seay	May 5, 1931
1,867,738	Fraser	July 19, 1932
2,315,105	Bonfield	Mar. 30, 1943
2,361,698	MacAlister	Oct. 31, 1944

FOREIGN PATENTS

Number	Country	Date
785,354	France	May 20, 1935