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64) Method of laying protective paper on bundles of printed papers.

Frotective paper, which is to be placed on bundles of printed papers while the bundles are being conveyed on a conveyor, is conveyed along a path over the bundles, and it is provided with a transverse fold, so that a part of the paper hangs down into the travelling path of the bundles.

Thus the paper will be carried along by and placed correctly on a bundle of printed papers when the bundle reaches the hanging part, and this part will prevent air from being blown in between the bundle and the paper so that the latter could fly off.

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Method of Laying Protective Paper on Bundles of Printed Papers

The present invention concerns a method of laying protective paper on bundles of printed papers while the bundles are being conveyed on a conveyor to e.g. a cording-up station.

After the printing, newspapers and weekly magazines are bundled together and corded up before the distribution. In order to protect such bundles during further transport it is desirable that before the cording up protective paper is placed over and under each bundle. Well-functioning methods of laying on the bottom sheet of protective paper, the so-called underwrap, are known, but the laying on of protective paper on top of the bundle of printed papers gives rise to problems. Until now, protective paper has either not been laid on top of the bundle, or the paper has been laid on manually. It must be done while the bundle stands still or is being moved very slowly. When the protective paper has been laid on, the further transport of the bundle to the cording-up station must be carried out in such a way - slowly and without any risk of draught - that the paper does not fly off. This procedure is satisfactory as far as it goes, but for many purposes the capacity is too low.

The purpose of the invention is to indicate a method by which protective paper can be laid on top of bundles of printed papers mechanically and without any risk of the protective paper flying off during the further transport of the bundles.

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According to the invention this result is obtained in the following way:

The protective paper is conveyed in a path over the conveyor at a distance from the coveyor which corresponds approximately to the height of the printed paper bundles. The protective paper is provided with a fold transverse to the travelling direction of the bundles, so that a part of the paper hangs down into the travelling path of the bundles.

The protective paper can be conveyed in separate sheets, or pieces of paper can be cut off from a supply roll in such a way that the width of the pieces corresponds to the width of the bundles of printed paper, and the length of the pieces is somewhat larger than the length of the bundles in their travelling direction. Then, when a bundle of printed papers reaches the hanging part of the protective paper, the paper will be carried along by the bundle. The fold of the paper will settle on the upper front edge of the bundle, and thus the paper will automatically be placed in correct position on the bundle. Further, the hanging part of the protective paper will prevent air from being blown in between the paper and the bundle. Thus there is no risk of the paper flying off after it has been placed on the bundle, even if the bundle is conveyed at a relatively high speed.

Patent Claim

Method of laying protective paper on bundles of printed papers while the bundles are being conveyed by a conveyor to e.g. a cording-up station, characterized by the fact that the protective paper is conveyed in a path over the conveyor at a distance from the conveyor which corresponds approximately to the height of the printed paper bundles, and that the protective paper is provided with a fold transverse to the travelling direction of the bundles, so that a part of the paper hangs down into the travelling path of the bundles.

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EUROPEAN SEARCH REPORT

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | | | |
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| Category | | th indication where approprant passages | oriate, | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.4) |
| А | US-A-3 440 796 * Abstract; fig | | | 1 | B 65 B 27/08 |
| A | US-A-3 260 033 * Column 1, line | | gure 1 | 1 | |
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