

A. LAUNDER.
 GUARD FOR GORDON PRINTING PRESSES.
 APPLICATION FILED SEPT. 1, 1910.

978,042.

Patented Dec. 6, 1910.

FIG. 1.

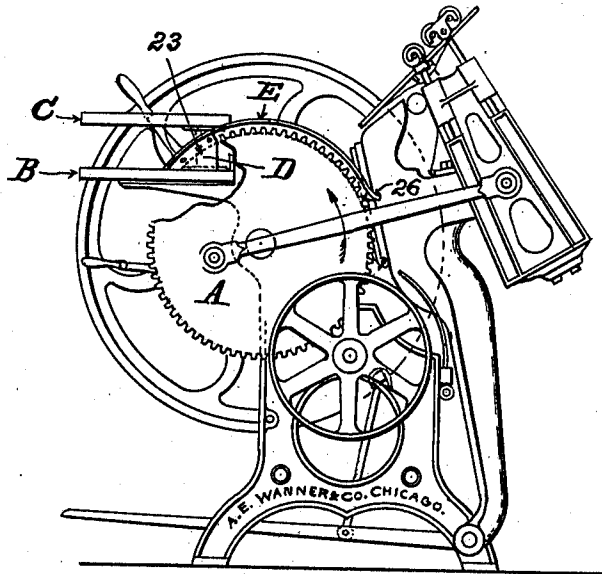


FIG. 2.

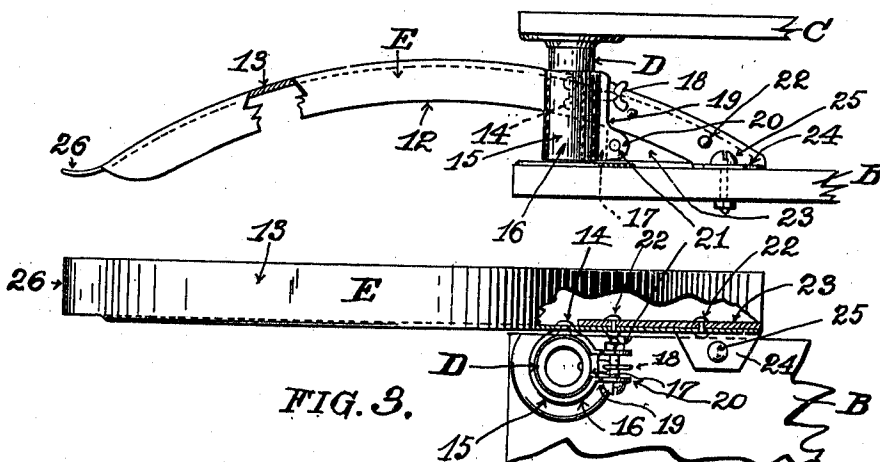
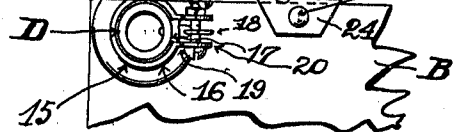


FIG. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

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GUARD FOR GORDON PRINTING-PRESSES.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALVIA LAUNDER, a citizen of the United States, and resident of Chicago, in Cook county, Illinois, have invented certain new and useful Improvements in Guards for Gordon Printing-Presses; and I do hereby declare that the following description of my said invention, taken in connection with the accompanying sheet of drawings, forms a full, clear, and exact specification, which will enable others skilled in the art to which my said invention appertains to make and use the same.

This invention has general reference to guards especially adapted for use in that style of printing presses generally known as the Gordon; and it consists, essentially, in the novel and peculiar combination of parts and details of construction, as hereinafter first fully set forth and described and then pointed out in the claim.

It is a well-known fact that in the use of the Gordon printing press, sheets of paper are frequently soiled on account of coming in contact with the driven gear wheel of the press which is also one of the crank disks and which is always located in close proximity to the feed board. This is especially the case when hurry jobs have to be executed where the press feeder must work very rapidly to keep up with the working of the press, and where he has not sufficient time to handle the sheets carefully to prevent contacting with the gear wheel. To overcome this objection, I provide a Gordon printing press with a guard over the driven gear wheel, which guard is so constructed as to be readily applied to any existing press, is very effective in use, and comparatively inexpensive in first cost.

In the drawings already mentioned, which serve to illustrate this invention more fully, Figure 1 is a side elevation of a Gordon printing press fitted with my improved guard. Fig. 2 is a rear side elevation of the guard detached. Fig. 3 is a plane of the same, fragments being shown cut away, to disclose details of construction.

Like parts are designated by corresponding symbols and characters of reference in all the figures.

In these drawings the reference letter A designates the driven gear wheel of a Gordon printing press, and B, the work supporting

table, while C, designates the feed board, the latter being supported upon the former by the usual supporting post D.

E designates the guard. This guard is formed of a flat strip of metal, curved to correspond approximately to the curvature of the periphery of the gear wheel A, and it is L-shaped in cross section, that is to say, it has a downwardly pending member 12, and a horizontally disposed member 13, there being securely fastened near one end of this guard, and to the downwardly pending member 12, preferably by rivets 14, an attaching body 15, comprising an open-seam tubular socket 16, the longitudinal edges of which are outwardly bent to embrace a vertically disposed projection 17, usually found on the post D, and arranged to receive a set screw 18, by which the feed board is removably and adjustably held in position.

The outwardly projecting portions of the attaching body 15 have, at their lower ends punctured lugs 20, wherewith engages a clamping screw 21, by which the guard is removably secured to the post D. And in order that this guard may be sufficiently strong at the supporting end, and to afford additional means to support the same in position, there is, preferably riveted to the downwardly pending member 12 by rivets 22, a reinforce 23, said reinforce having a horizontally disposed securing member 24, through which, and the work supporting table B, there is passed a bolt 25, to serve as an additional fastening means to the guard.

The entire guard is, preferably, and most inexpensively made from sheet metal, and when located in position on the printing press, effectually prevents the smutting of paper when accidentally passed over the gear wheel in feeding or removing the printed sheets from the press.

The gear wheel A rotates in the direction of an arrow placed in Fig. 1, and in order to prevent the free end of the guard being caught by any of the gear teeth should the guard by any means be depressed, I outwardly bend the extreme end of the guard, as shown at 26, which will cause the teeth to slide over the lower side of the guard without dislodging or otherwise disarranging the guard.

Having thus fully described this inven-

tion, I claim as new and desire to secure to me by Letters Patent of the United States—

A sheet metal guard adapted for use in covering the driven gear wheel of a Gordon
5 printing press, said guard comprising a curved body of substantially L-shaped cross section, there being near one end of said body a reinforcing plate having a laterally projecting punctured lug adapted to be fastened to the work table of said printing
10 press, and an open-seam socket, said socket having outwardly projecting edges, said edges terminating in punctured lugs, said

socket being adapted to embrace the feed-board-supporting post, there being a clamping screw in said lugs adapted to removably
15 fasten said socket to said post.

In testimony that I claim the foregoing as my invention, I have hereunto set my hand in the presence of two subscribing witnesses.
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ALVIA LAUNDER.

Witnesses:

MICHAEL J. STARK,
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