

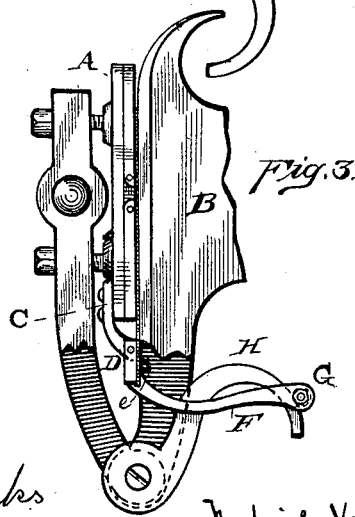
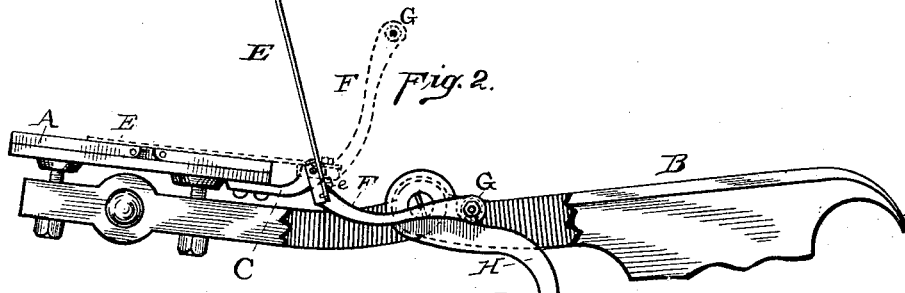
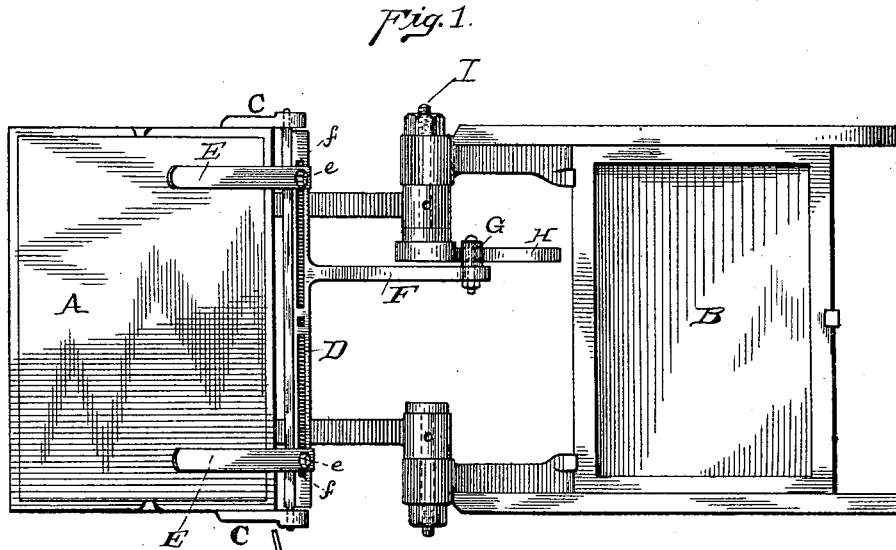
(No Model.)

F. VAN WYCK.

GRIPPER MECHANISM FOR JOB PRINTING PRESSES.

No. 368,258.

Patented Aug. 16, 1887.



ATTEST:
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UNITED STATES PATENT OFFICE.

FREDERICK VAN WYCK, OF NEW YORK, N. Y.

GRIPPER MECHANISM FOR JOB-PRINTING PRESSES.

SPECIFICATION forming part of Letters Patent No. 368,258, dated August 16, 1887.

Application filed October 15, 1886. Serial No. 216,307. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK VAN WYCK, of the city, county, and State of New York, have invented Improved Gripper Mechanism for Job-Printing Presses; and I do hereby declare that the following is a full, clear, and correct description of the same, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a view of my improved mechanism applied to a job-press, the bed and platen being shown in the horizontal position and the grippers depressed upon the platen. Fig. 2 is a view of the bed and platen in the horizontal position and the grippers elevated; Fig. 3, a view of the bed and platen brought together for the purpose of giving an impression, showing the position of the gripper mechanism.

In the drawings like parts of the invention are designated by the same letters of reference.

The nature of the present invention relates to improvements in the construction of gripper mechanism to be used in connection with the job-printing press patented by Fred O. Degener, April 24, 1860, as hereinafter set forth; and the said invention consists in the improved construction hereinafter described and claimed.

To enable those skilled in the arts to make and use the same, I will describe the construction and operation of my invention.

A shows the rocking platen, B the rocking bed, of a printing-press.

C are the ears, attached at the base of the rocking platen A, at each end of the same, in which the gripper-frame D is hung.

E are the grippers, held upon such frame by the bolts and nuts *e*, and capable of adjustment to the extent of the slots *f* in the same. Upon one side of the gripper-frame D, I provide a weighted extension, F, carrying at its forward end a stud and roller, G, free to move upon a surface cam, H, attached upon one of the bolts I, employed to connect the rocking bed B and rocking platen A together, and so

shaped that as the bed and platen are drawn together for the production of an impression the grippers will be depressed upon the platen and have their bearing upon the margins of the sheet to be printed, and serve to relieve it from the form or types employed in the printing.

Such being the construction, it will be observed that after an impression has been printed upon the tympan-sheet and the platen rocked back to the horizontal position the grippers can be depressed by the operator upon the platen by bearing down upon the same, the frame supporting them swinging freely in the ears in which it is hung, the grippers adjusted to the impression upon the tympan-sheet by moving them in the slots in the frame, and that after they have been secured upon the frame by the bolts and nuts the weighted connection will cause the frame to return to its normal position, as shown in Fig. 2 of the drawings.

In the operation of the machine in printing, as the bed and platen are brought together the weighted connection, carrying at its forward end the stud and roller, is guided by the surface-cam, already described, and the grippers are at the proper time depressed upon the margin of the sheet to be printed, laid upon the platen, and the printed sheet is thus relieved from the form or types secured upon the bed.

What I claim as new is—

In a printing-machine provided with a rocking platen and a rocking bed hinged about centrally, the combination of a gripper-frame, D, free to swing in the ears C and provided with a weighted extension, F, carrying a stud and roller, G, the grippers E, and the surface cam H, attached to a connecting-bolt, I, when the same shall be constructed and operate substantially as and for the purpose set forth.

FREDERICK VAN WYCK.

In presence of—

WILLIAM V. H. HICKS,
CHAS. McCANN.