

(No Model.)

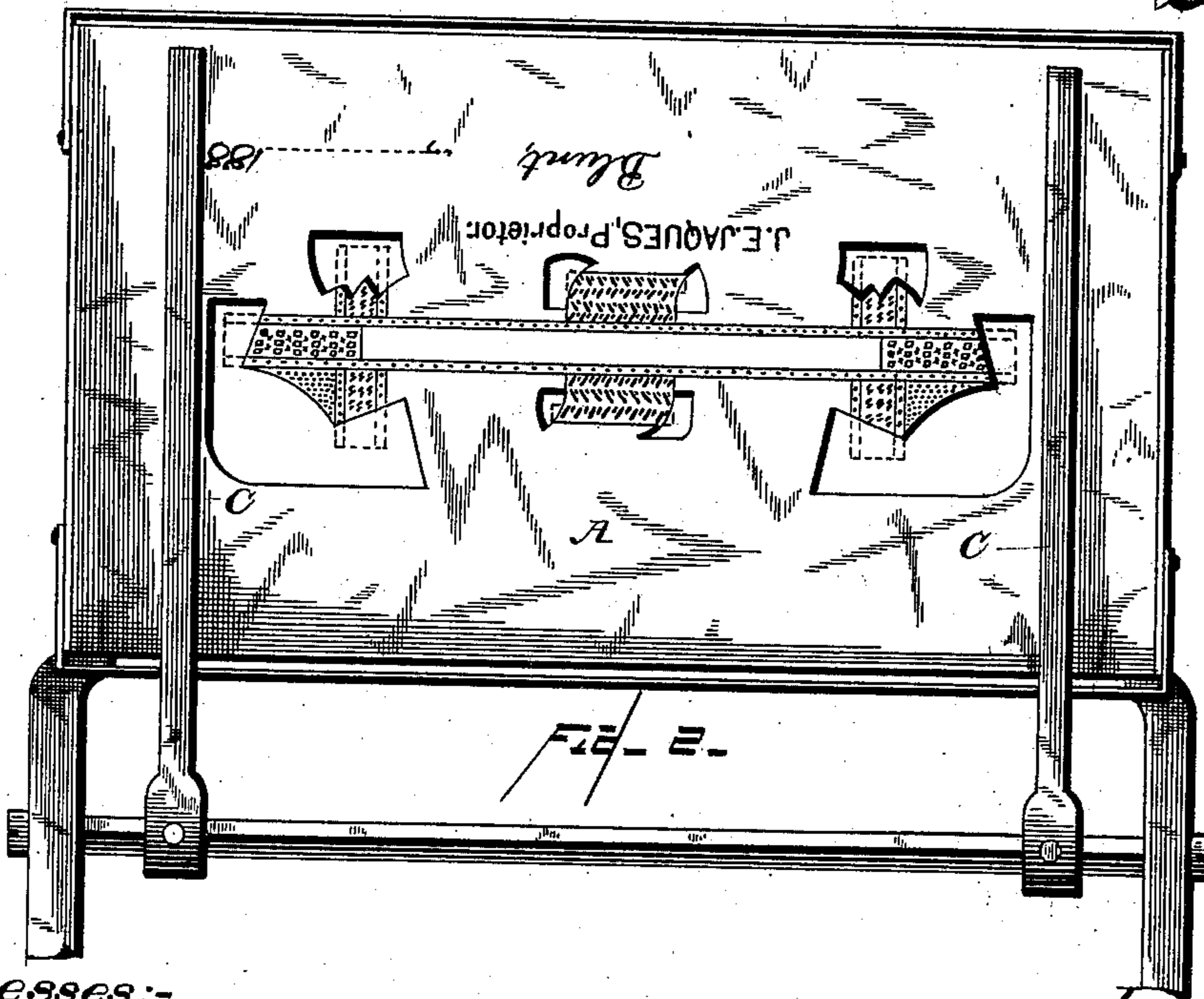
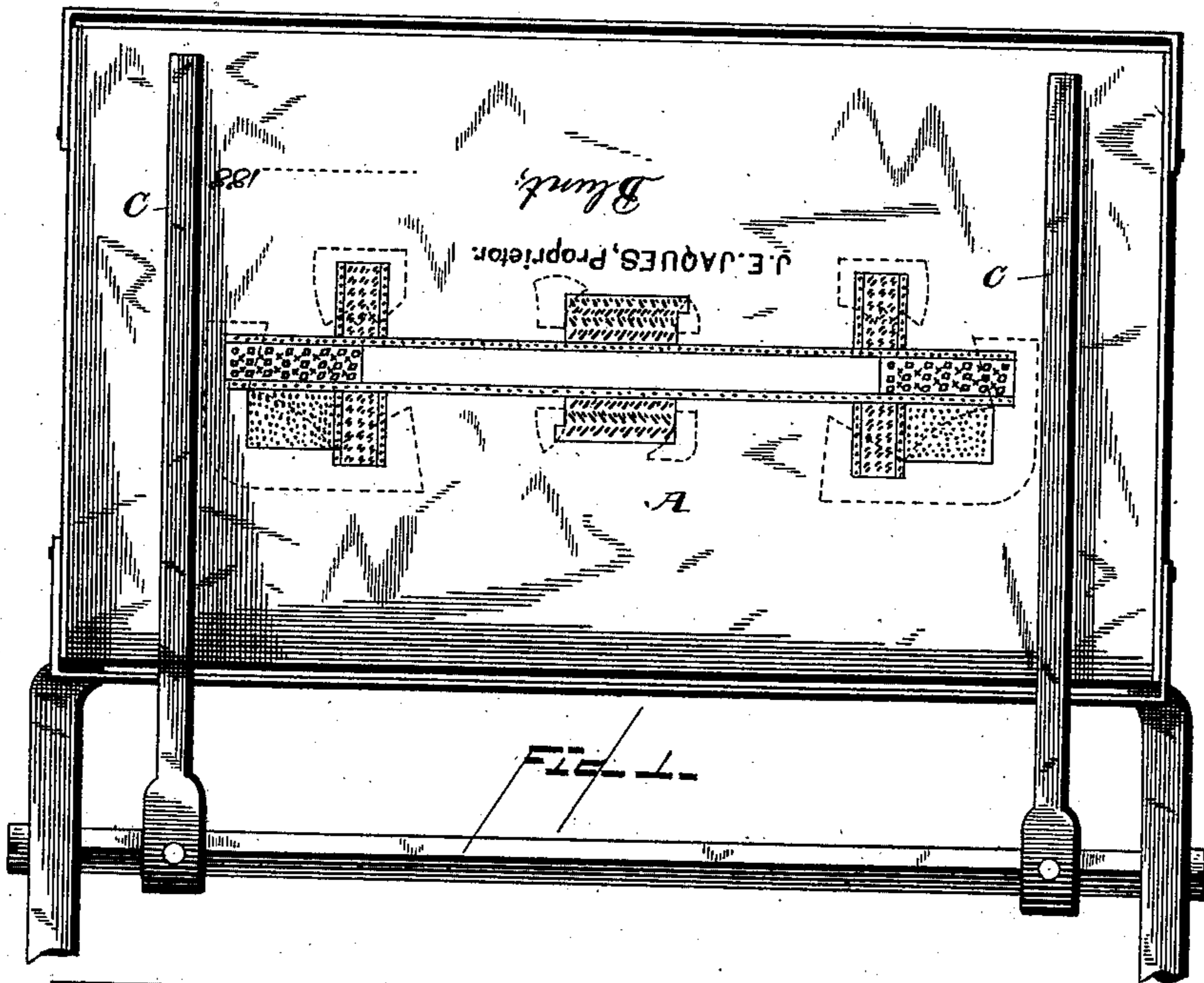
3 Sheets—Sheet 1.

M. A. BANCROFT.

PRINTING.

No. 351,686.

Patented Oct. 26, 1886.



Witnesses:-

O. N. Lashlee
S. T. Edmonds

Inventor:-

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(No Model.)

3 Sheets—Sheet 2.

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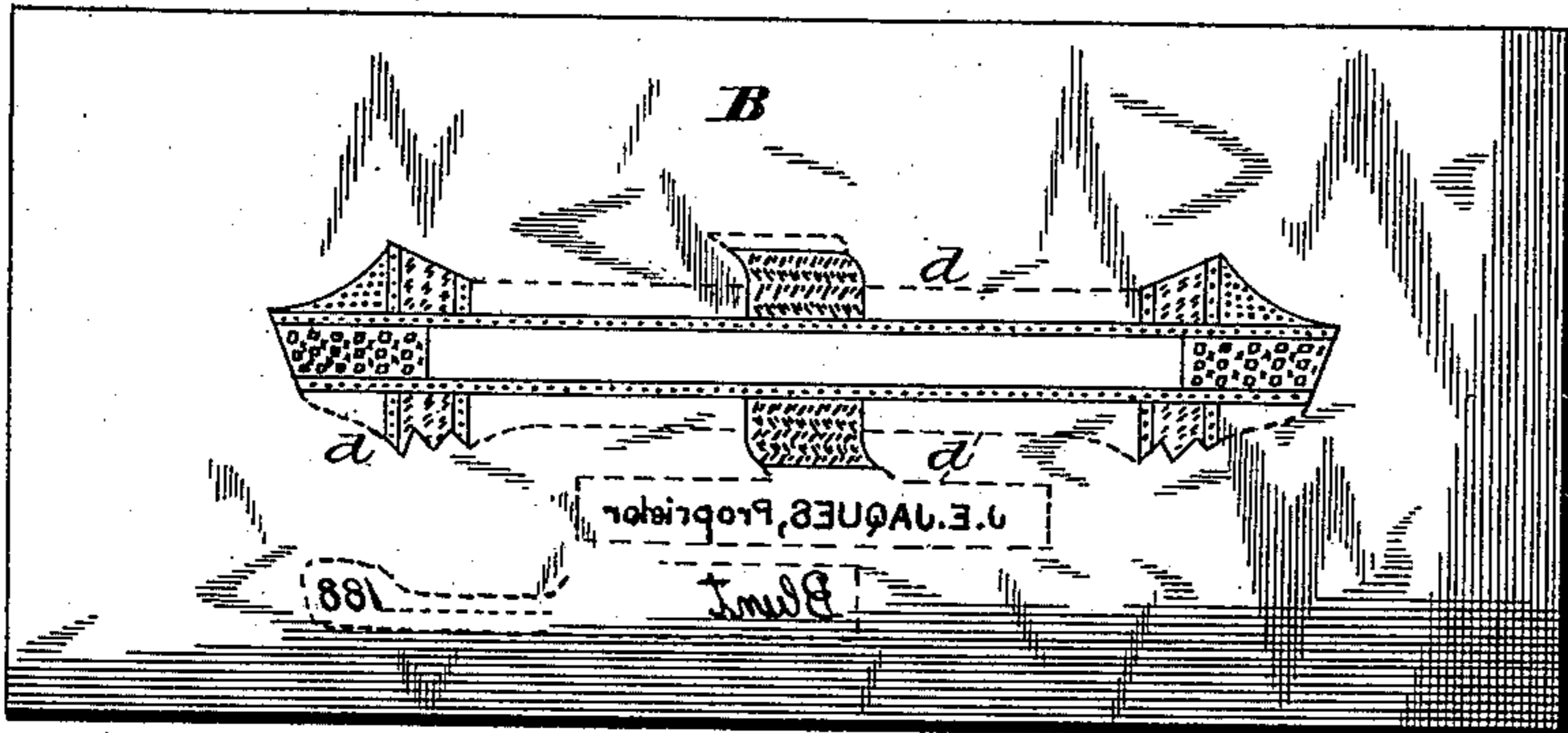
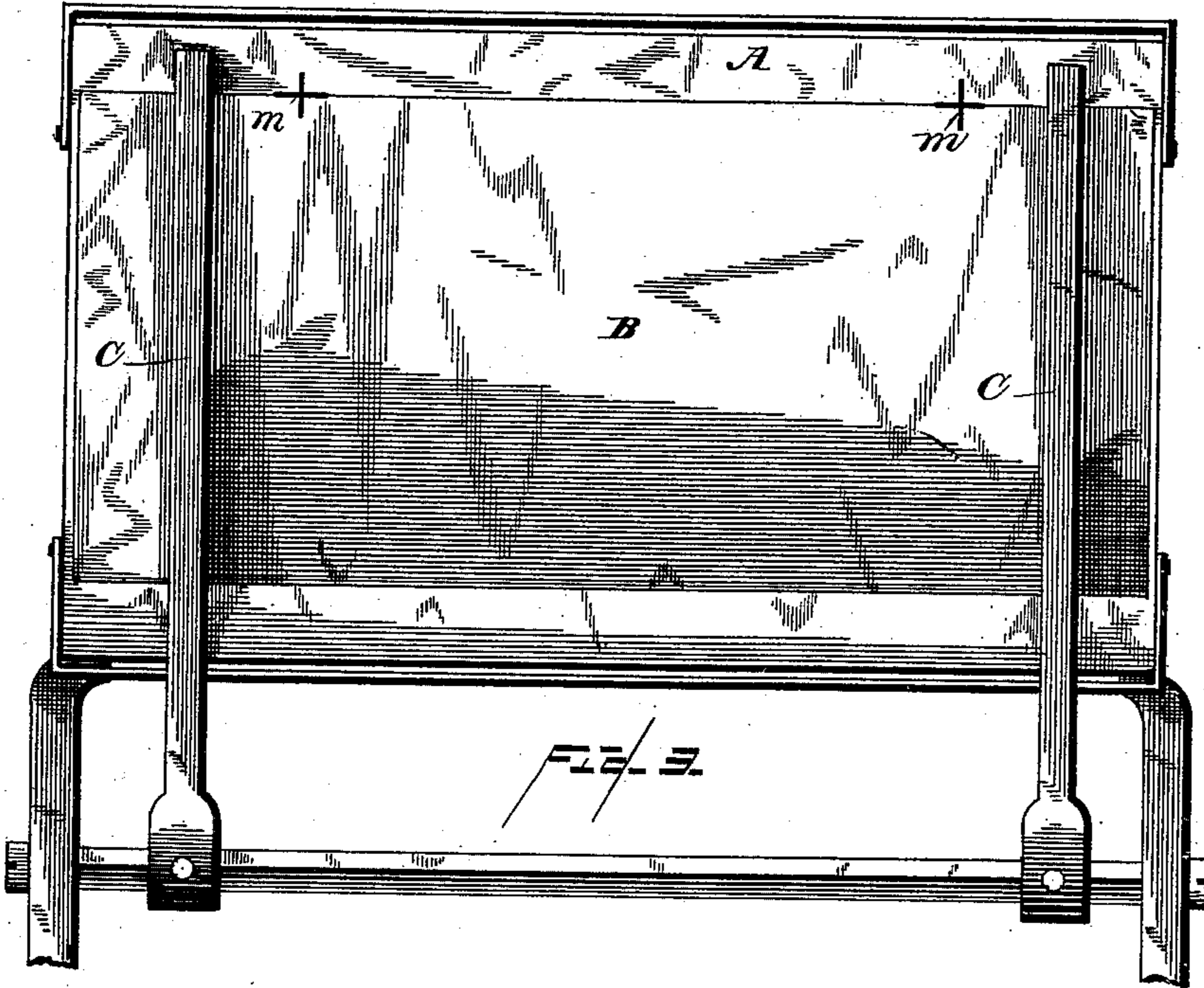


Fig. 4.

Witnesses:-

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(No Model.)

3 Sheets—Sheet 3.

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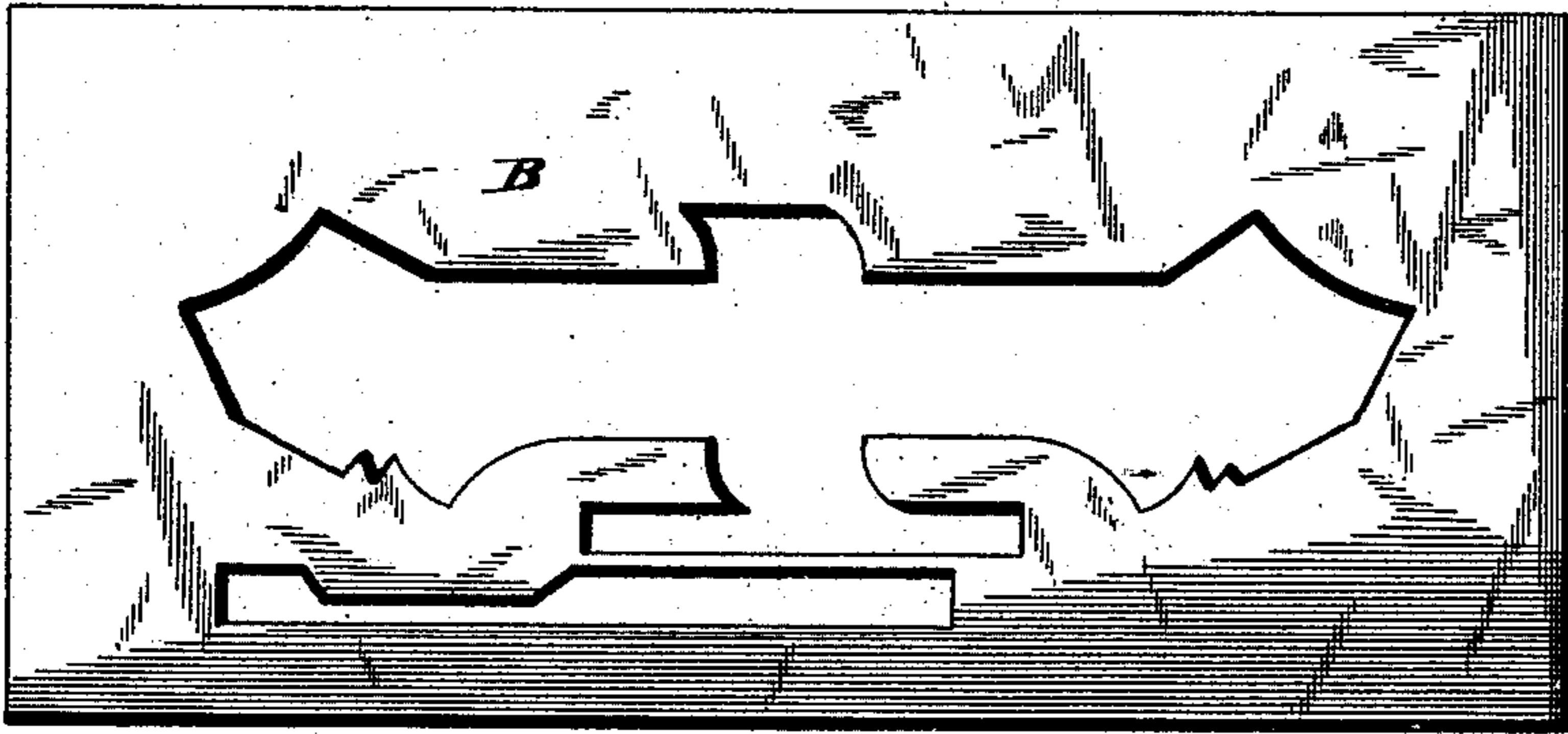


FIG. 5.

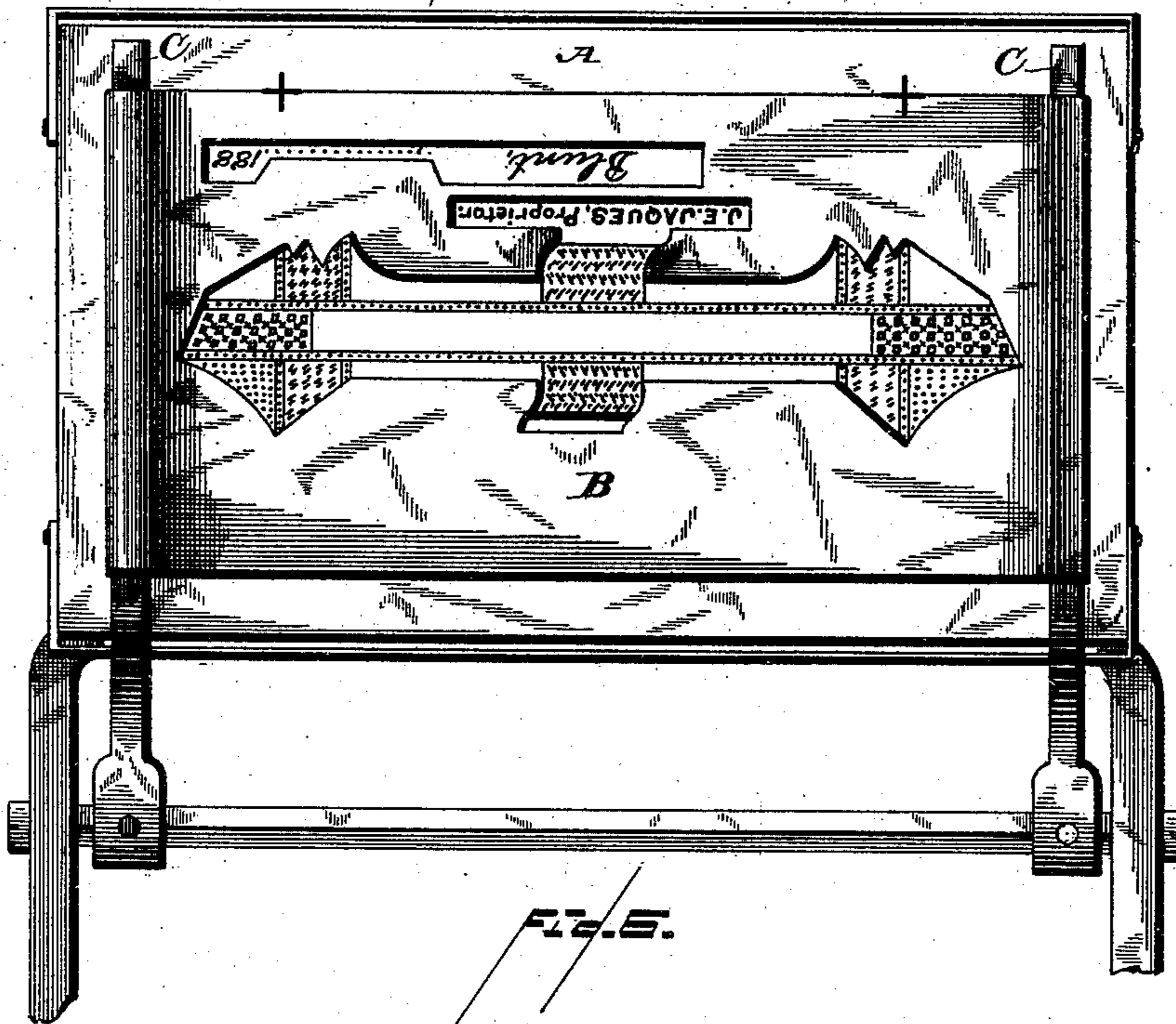


FIG. 6.

Witnesses:-

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Attorneys.

UNITED STATES PATENT OFFICE.

MAJOR A. BANCROFT, OF BLUNT, DAKOTA TERRITORY, ASSIGNOR OF ONE-HALF TO ISRAEL E. YOUNGBLOOD, OF SAME PLACE.

PRINTING.

SPECIFICATION forming part of Letters Patent No. 351,686, dated October 26, 1886.

Application filed August 11, 1886. Serial No. 210,657. (No model.)

To all whom it may concern:

Be it known that I, MAJOR A. BANCROFT, a citizen of the United States, residing at Blunt, in the county of Hughes and Territory of Dakota, have invented certain new and useful Improvements in Printing, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improvement in the art of printing, whereby handsome and attractive designs may be produced from a form made up from ordinary movable printing material—as type, borders, brass rules, or ornaments—by allowing only such portions of the form to print as are required to bring out the design sought, without mutilating any of the material which is prevented from printing.

The invention consists in an improved method of accomplishing the above result, which will first be described in connection with the accompanying drawings and then clearly pointed out in the claim.

In the drawings, Figure 1 shows a tympan bearing an impression of the form to be printed from, the dotted lines indicating portions of the tympan to be cut out; and Fig. 2 is a like view with those portions removed. Fig. 3 illustrates the manner of obtaining the offset on a sheet which is to be made the frisket-sheet, and Fig. 4 represents said sheet bearing the offset. Fig. 5 illustrates this frisket-sheet cut out in accordance with the design offset from the tympan; and Fig. 6 represents said sheet applied to the grippers, forming a frisket.

In carrying out my invention I first take an impression of the form on the tympan A of the press, as shown in Fig. 1, after which I cut the tympan through certain portions of the impression in such manner that what remains of the impression will form the desired design, as illustrated in Fig. 2. I next ink the design, preferably by one or more impressions from the form in the press, for the purpose of producing a distinct offset, as seen in Fig. 4, by another impression on a sheet of smooth-surfaced paper, B, large enough to extend one and one-half inch at each end beyond the grippers C, as seen in Fig. 3. However, before

taking this offset I make guide-marks on the paper B, and also on the tympan, as shown at *m m*, to enable me to replace the sheet in the same position while attaching it to the grippers to form the frisket after the offset has been cut out, as hereinafter described. After taking the offset, which I use as a guide in cutting, I cut out that portion of the frisket-sheet B which bears the offset. Instead, however, of following the exact outlines of the entire offset while cutting, it is more convenient and preferable in practice to follow the contour of the offset, just clearing it, except at the points or places where the original impression on the tympan has not been changed by the cuts therein, at which points or places the line of cut is given greater clearance from the offset, as indicated by dotted lines *d* in Fig. 4.

In another application, filed by me on the 17th day of December, 1885, Serial No. 185,940, the following claims are now pending and in process of adjudication, to wit:

“1. The combination, with a form of type placed on the bed of a printing-press, of a frisket, the portions which overlie the part of the form from which it is desired to take an impression being cut out, and a tympan having the portions which underlie the part of the frisket covering the part of the form not to be printed from cut out, substantially as described.

“2. As an improvement in the art of printing, the method herein described of taking an impression from certain portions of an unbroken form, consisting in cutting out those parts of the frisket which overlie those parts of the form from which an impression is to be taken, and removing those parts of the tympan-sheet which underlie the part of the frisket covering the part of the form not to be printed from, then applying paper to the frisket and tympan so prepared, and taking the impression, substantially as described.”

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The improved method of printing herein described, consisting in first taking an impression of the form upon the tympan, then

cutting out such portions of the impression
on the tympan as are not to be printed in the
design, then taking an offset upon the frisket-
sheet from the design on the tympan, then
5 cutting out the offset on the frisket-sheet, and
finally taking an impression on the sheet to
be printed, substantially as described.

In testimony whereof I affix my signature in
presence of two witnesses.

MAJOR A. BANCROFT.

Witnesses:

FRED O. KIMBALL,
THOMAS P. KANE.