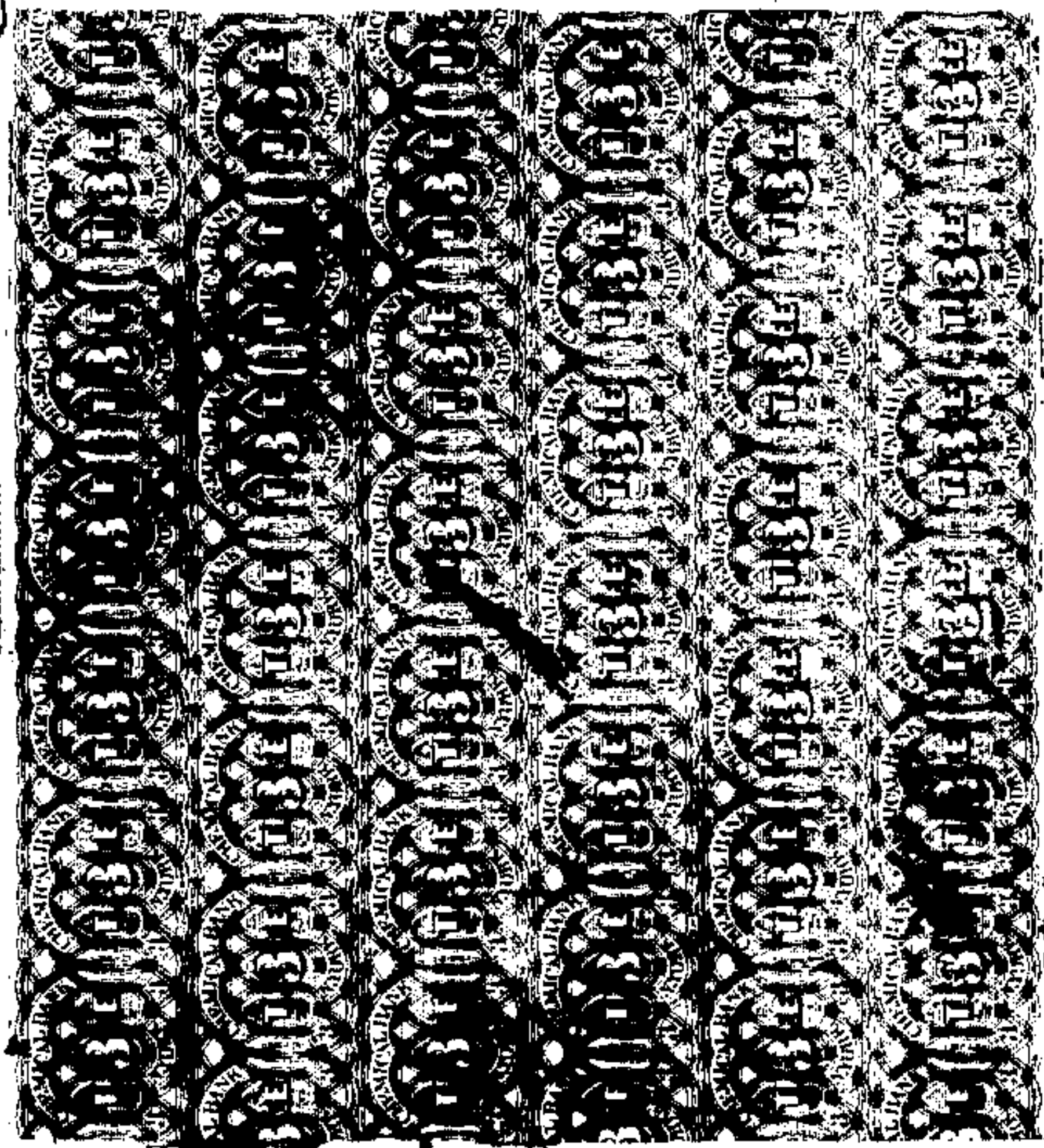
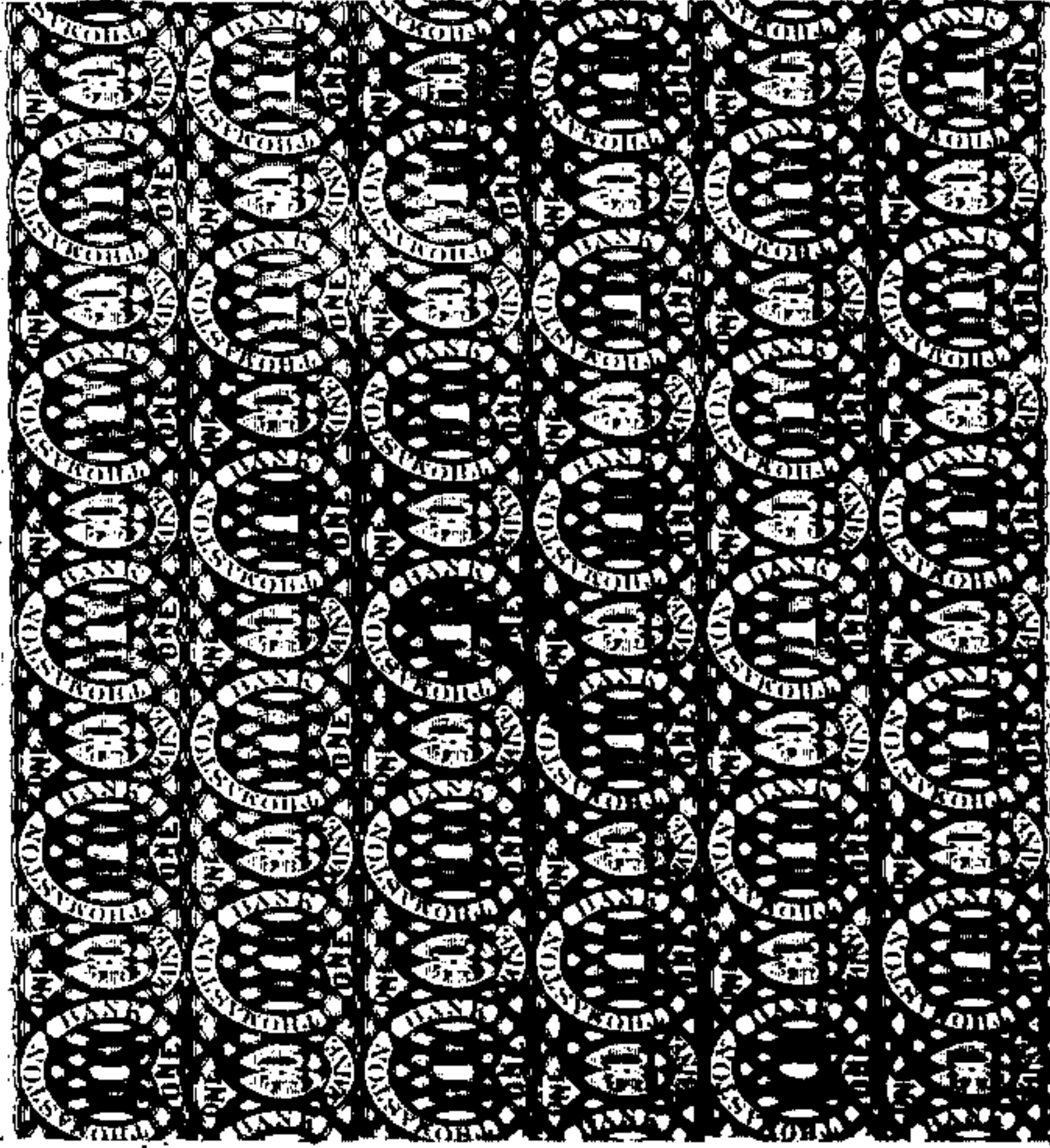


No 30.488.

Geometric Black line



In  
I. Cycloidal work.



In  
I. Cycloidal work.

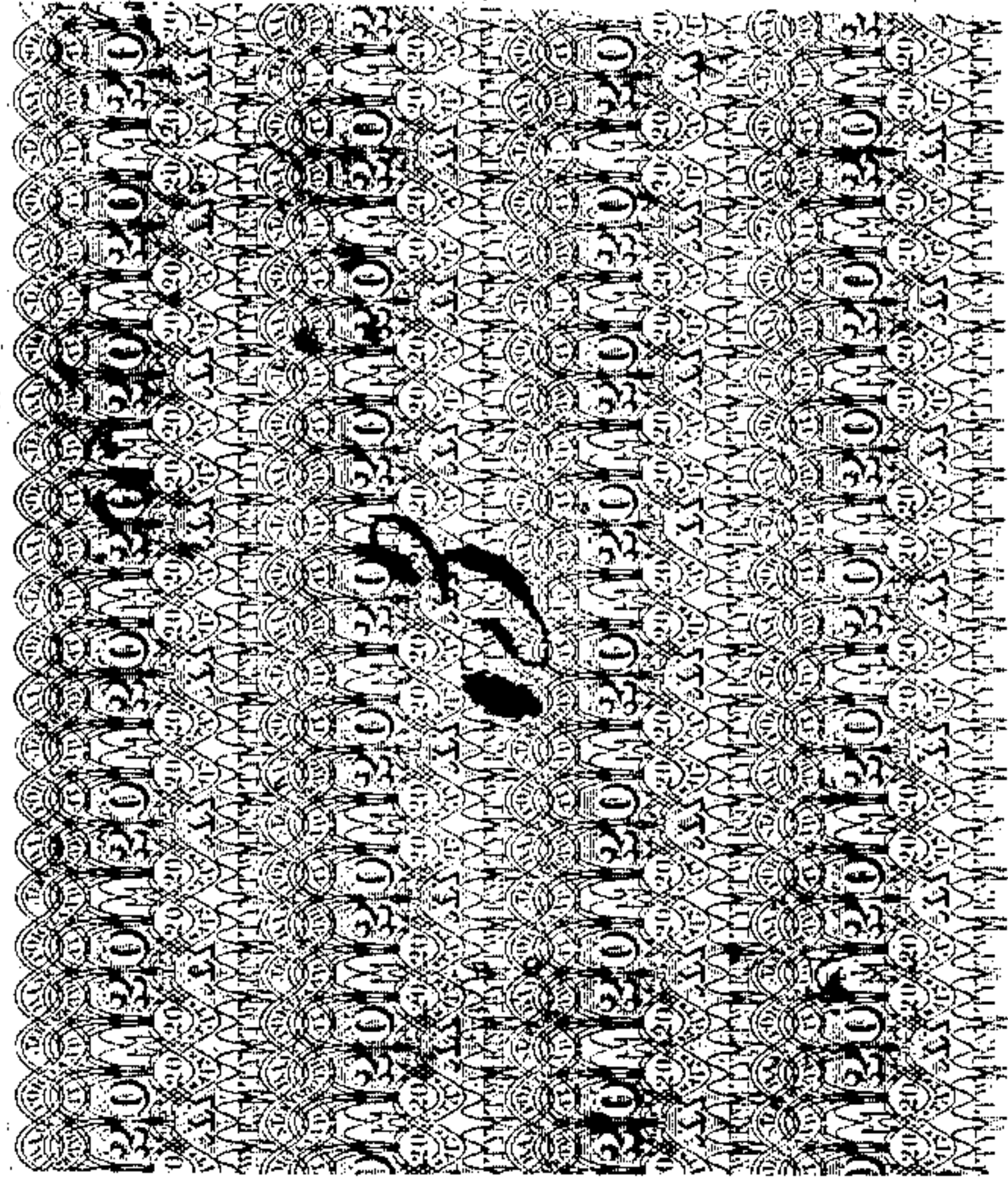
Witnesses { W. D. Nichols—  
Sam. C. Collins

James Macdonough's

Improvement  
in  
Engraving.

Patented Oct. 23. 1860.

Geometric Black line



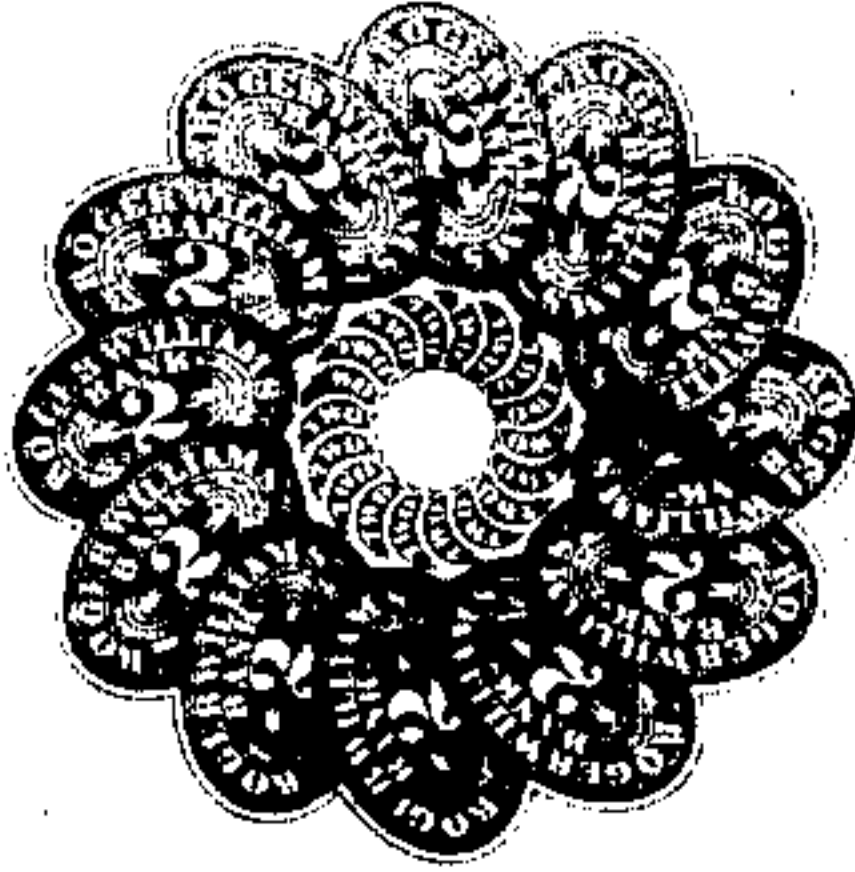
In  
I. Rosette work.

Geometric White line



II.  
In lattice work counters.

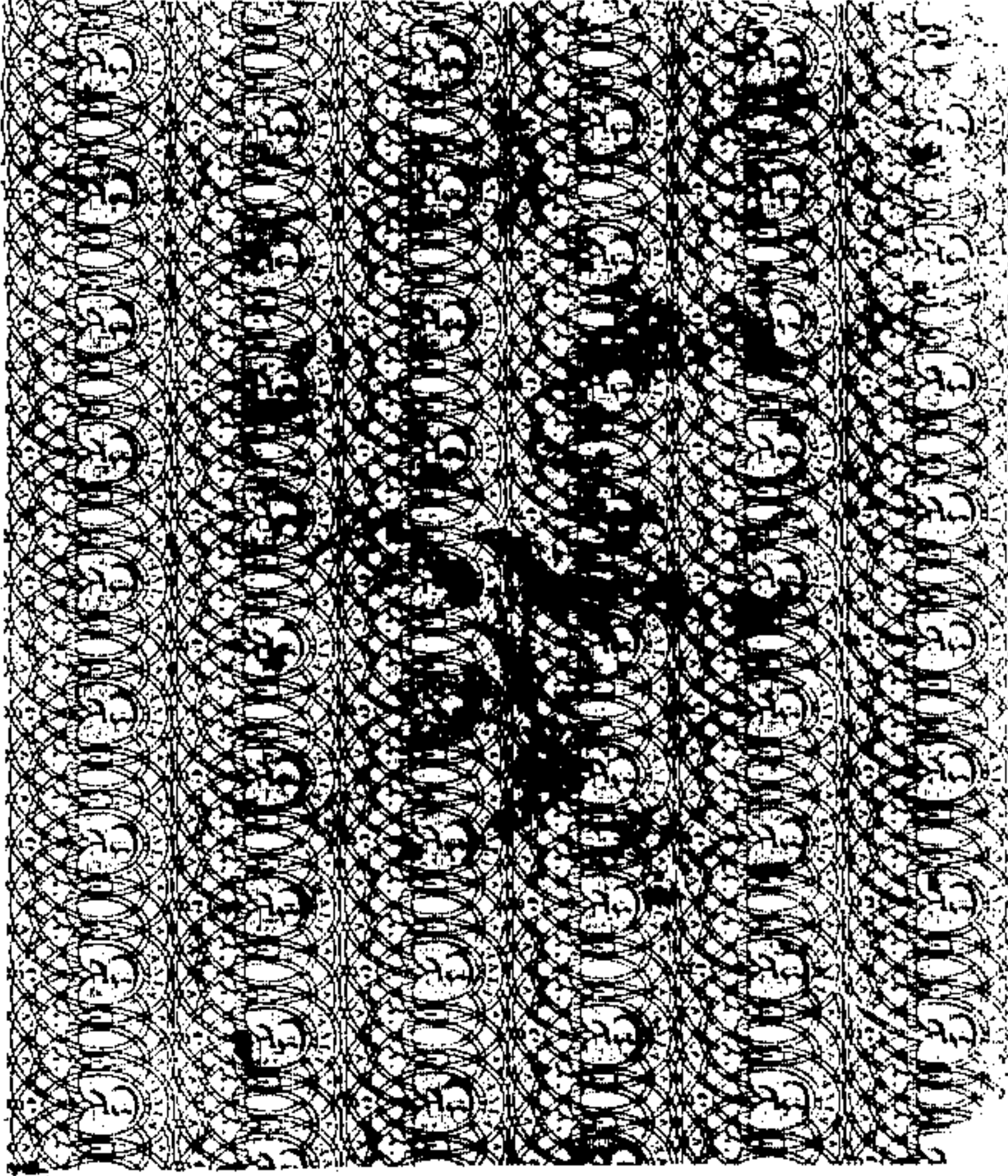
I  
In Waved line.



I. I.  
In lattice work counters.

Geometric White line

In  
I. Cycloidal work.



James Macdonough



# UNITED STATES PATENT OFFICE.

JAMES MACDONOUGH, OF NEW YORK, N. Y.

## STYLE OF ENGRAVING BANK-NOTES, &c.

Specification forming part of Letters Patent No. **30,488**, dated October 23, 1860; antedated April 23, 1860.

*To all whom it may concern:*

Be it known that I, JAMES MACDONOUGH, of the city, county, and State of New York, have invented, discovered, and produced certain new and useful Styles or Improvements in the Art of Engraving; and I do hereby declare that the following is a full and exact description of the said invention, discovery, or improvements.

The object of my invention is to produce additional guaranty against the counterfeiting of bank-notes, stocks, bonds, certificates, coupons, and all other papers printed from engraved plates representing value and requiring such protection.

I am aware that the value of a note and the name of the bank issuing them have been repeated on the face of the note. This I lay no claim to. I am also aware that geometric, cycloidal, and rosette work have been repeated on the face of a note, and to this I lay no claim whatever; but I have combined these two known things so as to make one perfect whole out of them, and it is for this combination that I ask the protection of a patent, not simply as a matter of design or of configuration, but because it is more—viz., it is an additional guaranty against counterfeiting, and the repetition of the name or of the title of an institution, of the value of the note, bond, or other document, and of the geometric, cycloidal, waved-line, or rosette work have not, to the best of my knowledge and belief, been combined upon one note or other document. Neither have the value of the note or other document and the cycloidal or rosette work been repeated in combinations. I am the first to so combine in repetition the value and ornament or the name, value, and ornament, as hereinafter described. This is the object of my invention; and the nature of my invention therefore consists, first, in the repetition of the value and the repetition of the cycloidal or rosette work, when combined and used upon a bank-note, bond, or other document; and the nature of my invention further consists in the combined repetition of the name of the bank, institution, corporation, party, or parties, and the value of the bank-note, bond, or other document with any pattern or design of geometrical, cycloidal, waved-line, or rosette work, such as is done by machines, or "machine-work," as it is termed.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same in connection with the drawings or engravings of the same accompanying this specification.

The cycloidal black-line drawing or engraving No. 1 has introduced upon it in repetition the word "Chemical Bank," "New York," "Three," and the figures "3" and "3"—that is to say, they are repeated as many times as the space on the plate desired to be covered by them will admit of—and thus form a combination in repetition. In the cycloidal black-line drawing or engraving No. 2 I have shown the words "Thomaston Bank," "Maine," "One," "One," and the figures "1" "1" in repetition and in combination. In the drawing or engraving in rosette black-line work No. 3 I have shown in repetition and in combination with the rosette-work the words "International Bank at Portland, State of Maine," "Twenty," and the letters "XX" and the figures "20" "20." In the cycloidal black-line drawing or engraving No. 4 I have shown in repetition in combination the word "Five," and the letters "V," and the figures "5" "5," omitting the name or title of the institution or person. In the waved black-line drawing or engraving No. 5 I have shown the words "American Exchange Bank, Ten Dollars," in repetition in combination; and in the lathe-work counters Nos. 6 and 7, which are in geometric "white line," so-called because the body is colored and the lines are white, I have shown, in No. 6, the words "American Exchange Bank, Ten;" and also the figures "10" and letter "X;" but I desire here to state that I do not, separately from the other part of the counter, lay any claim to the figures and letters, but claim the combination in repetition only. In the counter No. 7 I have shown the words "Roger Williams's Bank" in repetition, and the words "Two" and figures "2," but do not claim singly the words "Two" or figures "2," but mean only to claim the combination, in repetition, of the words and figures with the lathe-work.

Of course the name, title, corporation, or institution, together with the value of the bank-note, bond, or other document, and the geometric, cycloidal, waved-line, or rosette work, may be variously defined and combined in repetition.

It would be impossible in a specification to



describe all the various designations that may be thus used in repetition in combination; but they may be stated generally thus: the combined use in repetition of the value or denomination and the configuration, or of the value, name, or title and the configuration in repetition in combination, such repetition in combination never having heretofore been used or known in the art of bank-note, bond, or other document engraving, and therefore a new art in such connection.

My improvement in the art of bank-note or other similar engraving so liable to counterfeiting may be introduced by the use of the geometrical, cycloidal, ruling, and transfer machines now in use among engravers, and by other implements of engraving, and printed either as the faces or backs of bank-notes and other documents in any color or tint.

Having thus fully described the nature and

object of my invention and shown how the same may be reduced to practice, what I claim as a new art in bank-note, bond, and other document engraving is—

1. The combined use in repetition of the value or denomination and of the configuration, substantially as and for the purpose described.

2. The combined use in repetition of the value or denomination of the bank-note or other document, the name or title of the person, corporation, or institution, and the configuration of geometrical, cycloidal, waved-line, or rosette work, substantially as herein described and set forth.

In witness whereof I have hereunto set my hand-signature this 2d day of April, 1860.

JAMES MACDONOUGH.

Witnesses:

W. D. NICHOLS,

WM. L. STILES.