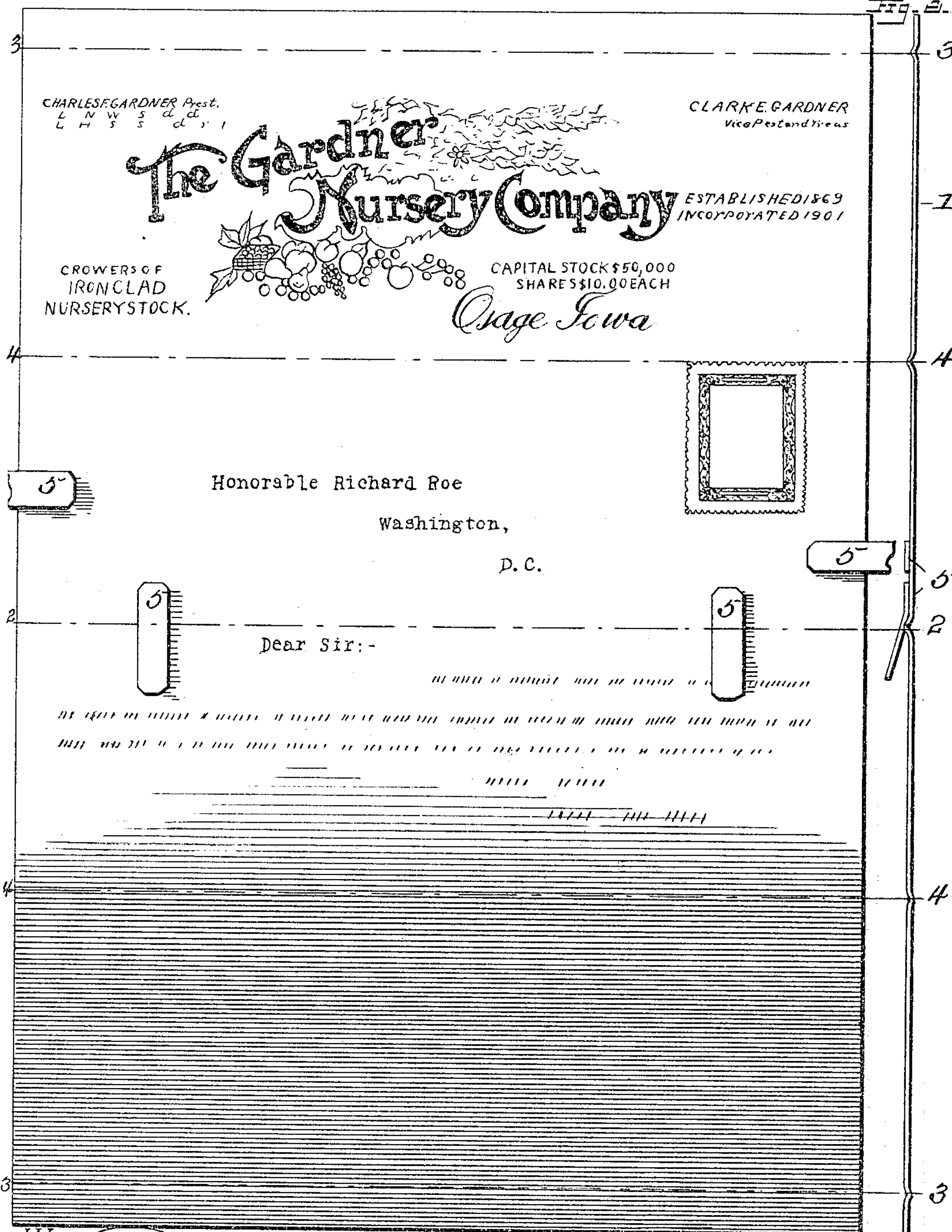


No. 788,099.

PATENTED APR. 25, 1905.

C. E. GARDNER.
PAPER CLIP.
APPLICATION FILED MAY 13, 1904.

2 SHEETS—SHEET 1.



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APPLICATION FILED MAY 13, 1904.

2 SHEETS—SHEET 2.

Fig. 6.

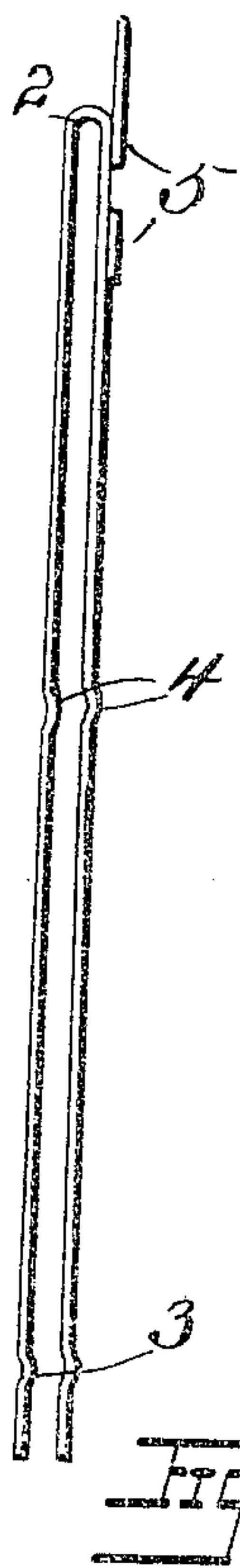
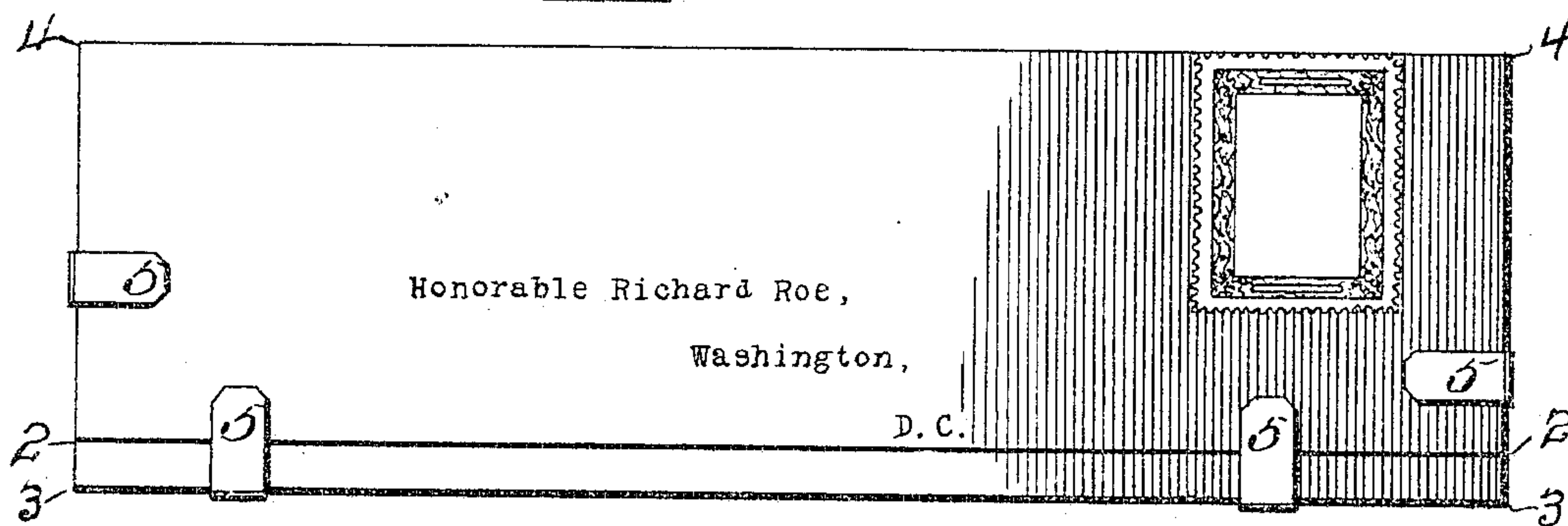


Fig. 5.

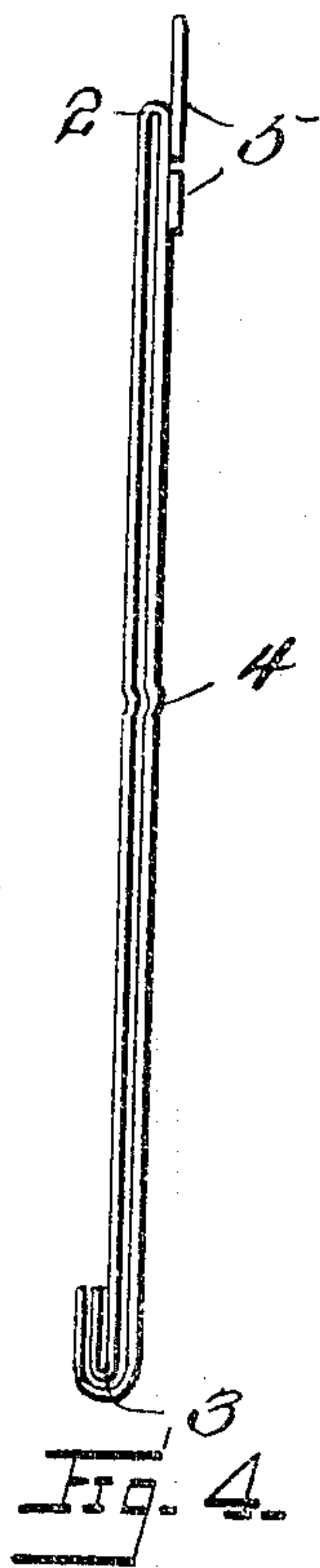
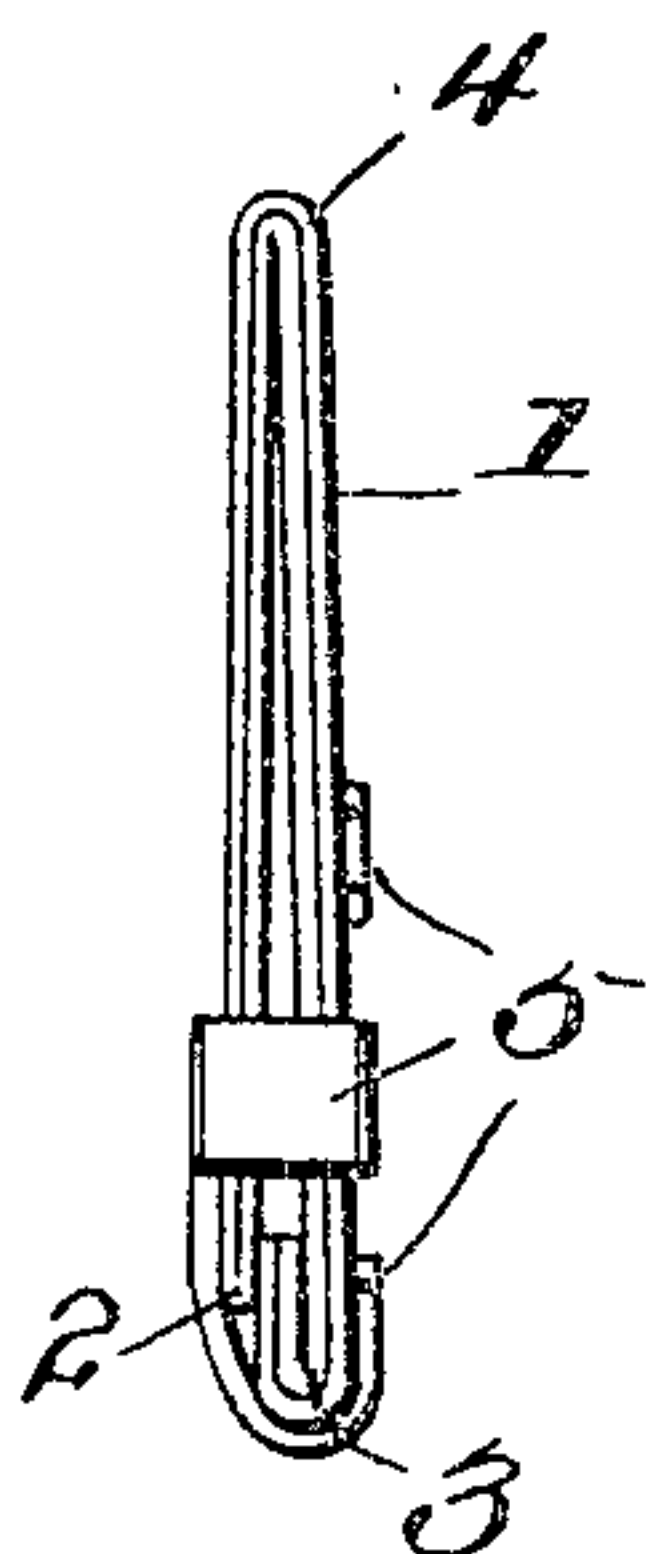


Fig. 7.

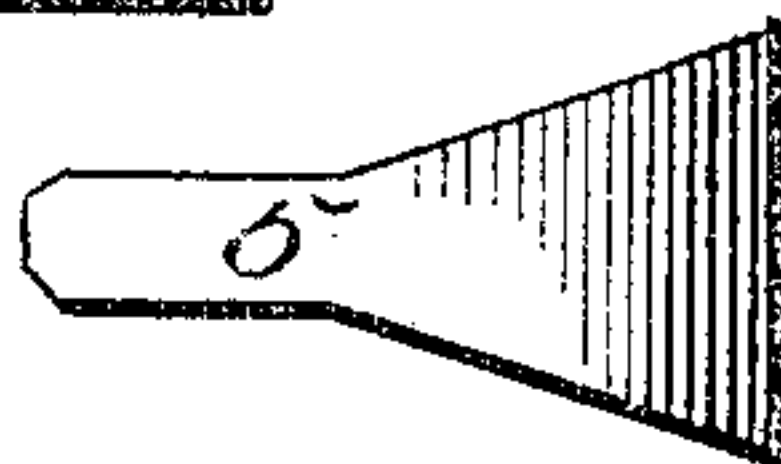


Fig. 8.



Fig. 9.

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UNITED STATES PATENT OFFICE.

CLARKE E. GARDNER, OF OSAGE, IOWA.

PAPER-CLIP.

SPECIFICATION forming part of Letters Patent No. 788,099, dated April 25, 1905.

Application filed May 13, 1904. Serial No. 207,760.

To all whom it may concern:

Be it known that I, CLARKE E. GARDNER, a citizen of the United States, residing at Osage, in the county of Mitchell and State of Iowa, have invented a certain new and useful Improvement in Paper-Clips, of which the following is a specification.

My invention relates to paper-clips, and especially to that form of paper-clip designed to be permanently attached to one paper and to be folded over and retain another paper or to be attached to a paper and to be folded over and retain another part of the same paper.

It is well known that numerous attempts have been made to construct a paper-clip from sheet metal provided with an adhesive preparation thereon to be applied to the paper by adhesion. It is also well known that the adhesive preparations commonly used for the purpose and which are adapted to become adhesive by the application of moisture will not adhere satisfactorily to the smooth metallic surface of the clip.

The object of my invention is to provide a metallic clip with a preparation thereon adapted to become readily adhesive by the application of moisture thereto and which will adhere to the paper and to the metallic clip with approximately equal tenacity.

With this and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made without departing from the spirit or sacrificing any of the advantages of my invention.

In the drawings, Figures 1, 2, 3, 4, 5, and 6 are several views of a letter-sheet with my improved paper-clip attached thereto and showing one application of the same. Figs. 7 and 8 are perspective views of different shapes of my paper-clip. Fig. 9 is a modification showing prongs to be used as an additional means for securing the clip.

In its preferred form my invention consists of a strip of light-weight sheet metal, as aluminium. The metal strip is first treated

upon one side with a coating of some substance which will adhere tenaciously to the metal and which upon becoming dried will be impervious to moisture, as shellac. Upon the shellac coating is applied a coating of glue or other substance which will adhere tenaciously to the shellac and which will become adhesive by the application thereto of moisture. The metallic plate may be constructed with prongs, as shown at Fig. 9, which may serve as an additional means for securing the clip or may be used in case it is desired to apply the clip a second time.

It is obvious that my improved paper-clip may be used for a very great variety of purposes where it is desired to hold together a plurality of papers or where it is desired to hold a paper in a folded state. The latter is the preferred use of my invention, and as illustrating such use I have shown a letter-sheet with my improved clip used thereon. In the drawings I have shown an ordinary letter-sheet 1, which may be folded first transversely approximately in the middle, whereby the sheet assumes the position shown in Fig. 3. The sheet may be again folded so that a narrow portion is folded along line 3 3, as shown at Fig. 4, and the folding completed by folding on line 4 4, whereby the sheet will assume the position shown at Figs. 5 and 6, or in any other desired manner. When the sheet is in a flat state, as shown at Fig. 1, or after being folded the clips 5 may be attached in any predetermined or desired position, as shown in the drawings or otherwise.

It is obvious that the clips may be made in the forms shown in the drawings or in any other desired form.

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

1. A clip adapted for holding paper sheets and the like, comprising a strip of material having a coating capable of adhesion thereto and insoluble in water and upon said insoluble coating, a coating capable of becoming adhesive by the application of moisture thereto.

2. A clip adapted for holding letter-sheets and the like in a folded state, consisting of a substantially plain piece of sheet metal, a coat

of shellac upon one side thereof and upon the shellac a coating of a substance capable of becoming adhesive by the application of moisture thereto.

- 5 3. A clip adapted for holding paper sheets and the like, comprising a strip of material having a coating of shellac thereon and upon the shellac a coating capable of becoming adhesive by the application of moisture thereto.
- 10 4. A clip adapted for holding paper sheets and the like consisting of a substantially plain piece of sheet metal having upon one side thereof a coating of material capable of adhesion thereto and impervious to moisture, and upon
- 15 such impervious coating a coating of material

capable of becoming adhesive by the application thereto of moisture.

5. A clip adapted for holding paper sheets and the like comprising a strip of material having a coating of shellac thereon and on the shellac coating a coating of glue.

6. A clip adapted for holding paper sheets and the like consisting of a substantially plain piece of sheet metal provided upon one side with a coating of shellac and upon such shellac coating a coating of glue.

CLARKE E. GARDNER.

In presence of—

W. C. GARDNER,
E. F. WHITAKER.