

No. 617,453.

Patented Jan. 10, 1899.

**T. F. WELCH.
PAPER FASTENER.**

(Application filed Dec. 29, 1897.)

(No Model.)

Fig. 1.

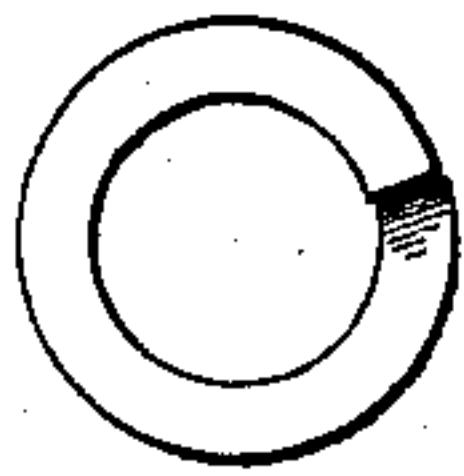


Fig. 2.

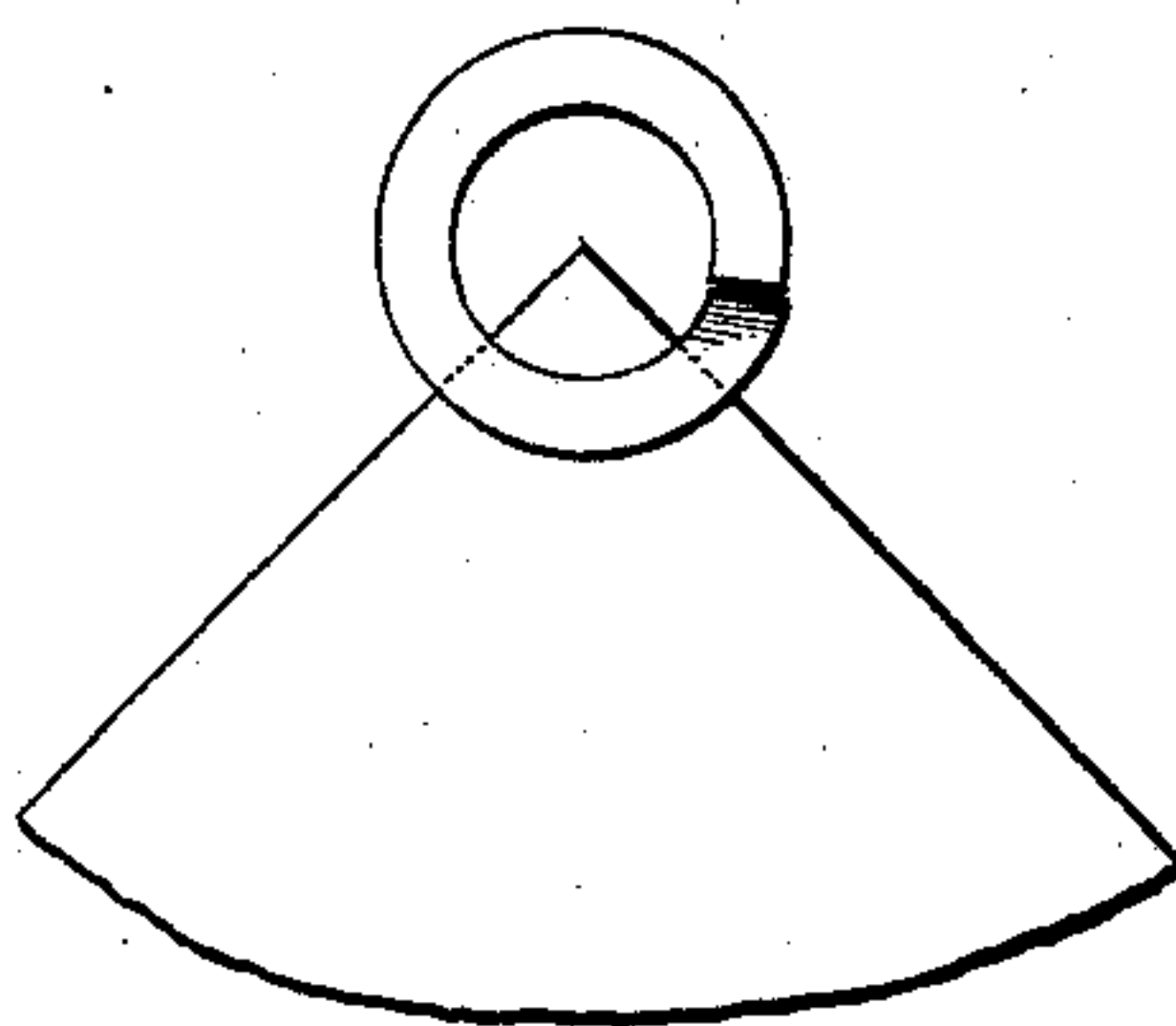


Fig. 3.

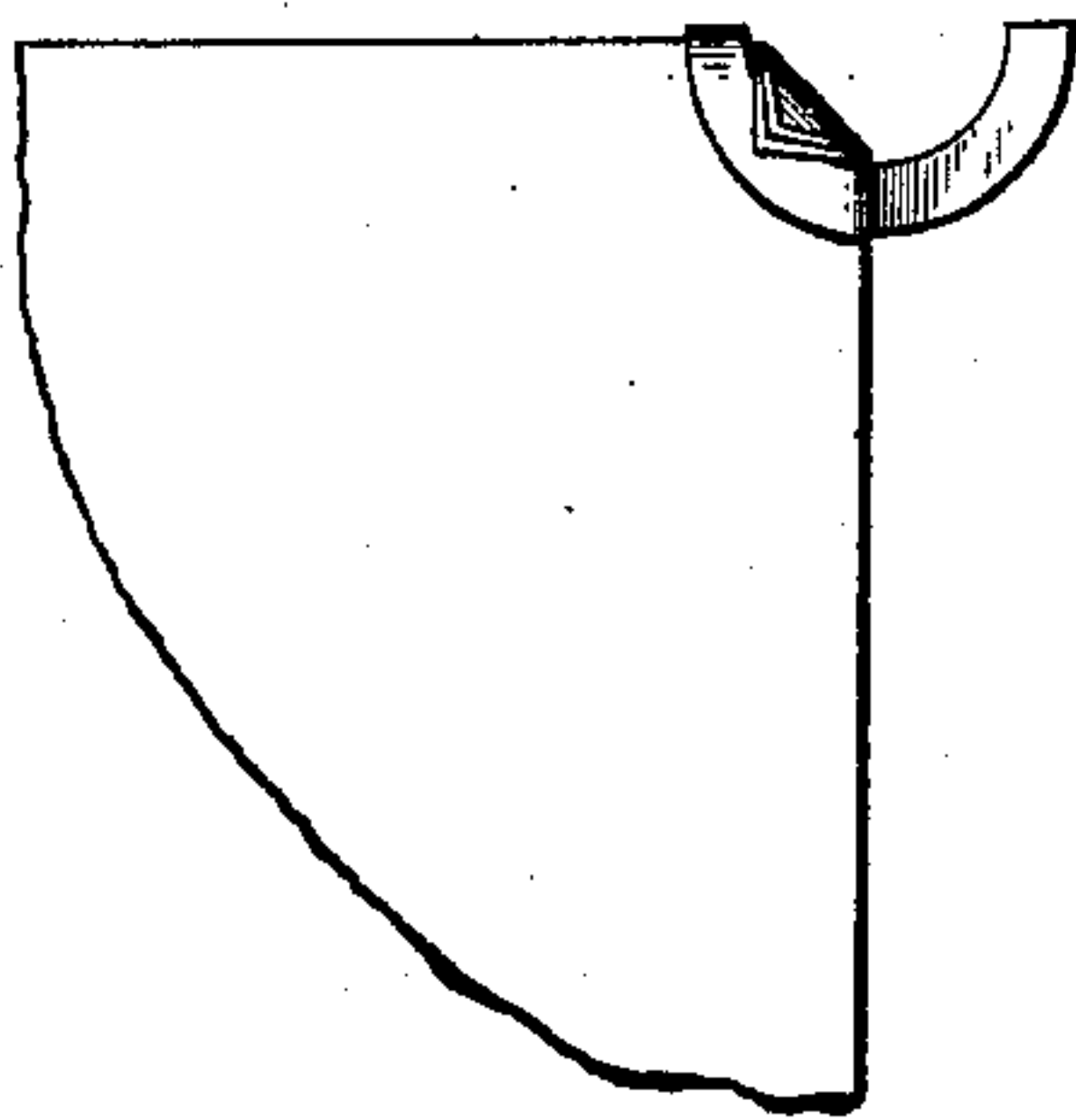
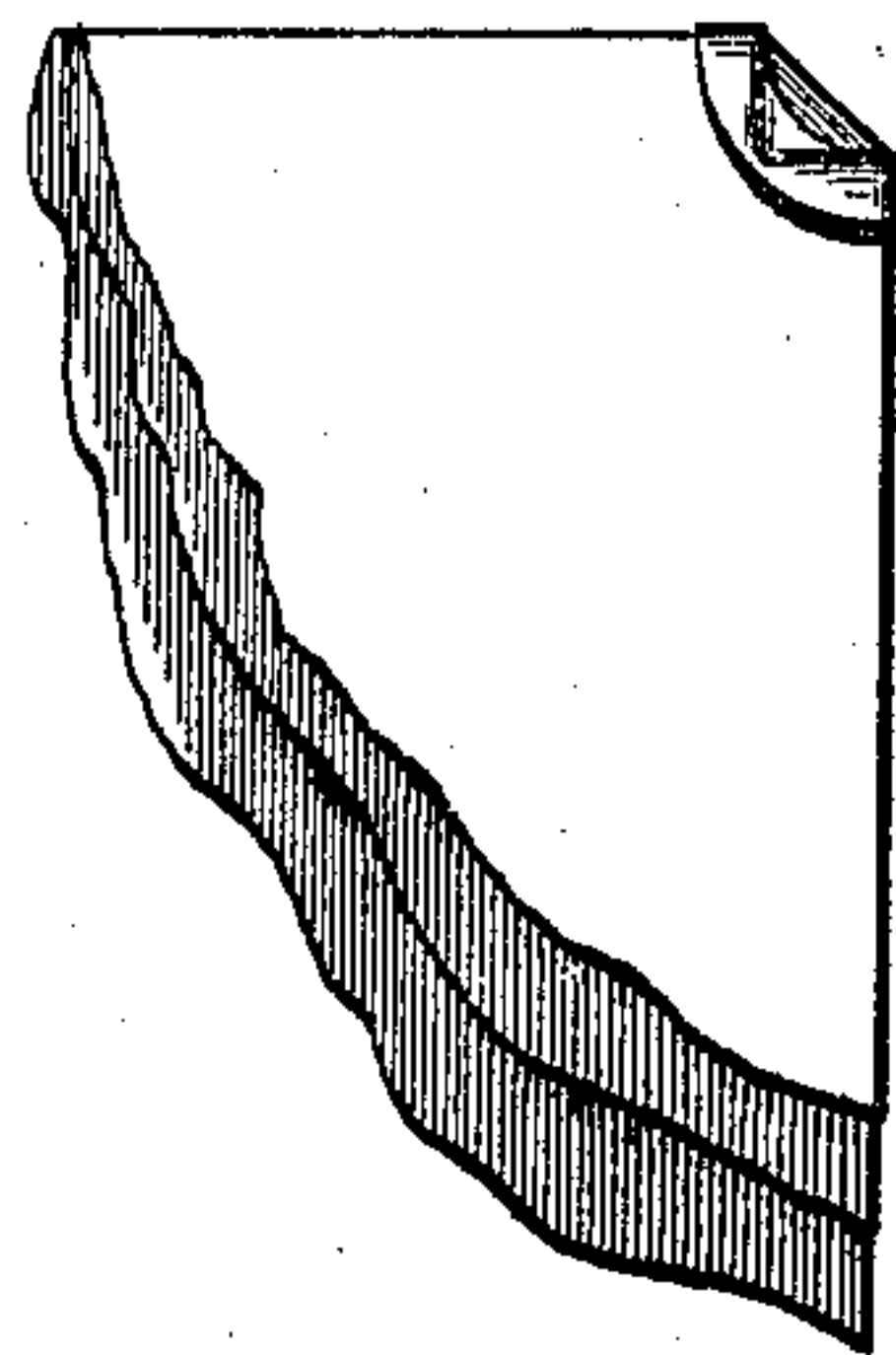


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

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PAPER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 617,453, dated January 10, 1899.

Application filed December 29, 1897. Serial No. 664,257. (No model.)

To all whom it may concern:

Be it known that I, THOMAS F. WELCH, a citizen of the United States, and a resident of Southington, in the State of Connecticut, have
5 invented a new and useful Improvement in Paper-Fasteners, of which the following is a specification, reference being had to the drawings filed herewith.

My invention relates to paper-fasteners, and
10 has for its object, among others, to provide a cheap means of fastening together several sheets of paper which may be easily and quickly applied thereto and which will not injure the same; and it consists in the im-
15 provement hereinafter described, and pointed out in the claims.

Figure 1 shows the preferred form of my fastener. Figs. 2, 3, and 4 show successive steps in applying this embodiment of my in-
20 vention to the corners of several sheets of paper.

The preferred form of my invention consists of a split ring-shaped piece of linen, paper, or other analogous material, as shown in
25 Fig. 1, provided on one side with an adhesive coating. In fastening several sheets of paper together by the corners the fastener is first applied to the outside sheet, as shown in Fig. 2. It is then bent around the edge of
30 the sheets and passed across the back of the lower sheet, as shown in Fig. 3. The fastener on account of its curved outline will when bent over the edge lie on the lower sheet in a position substantially parallel to its position on the upper sheet and will then
35 appear at the upper edge of the paper substantially overlying itself, as shown in Fig. 3. The corners of the sheets are then folded over, as shown in said figure, and the end of the
40 fastener brought down over them, substantially overlying itself, as before explained

and as shown in Fig. 4, and again bent over the left-hand edge. The sheets are thus securely fastened together without perforating or otherwise injuring them and in a neat
45 manner, as the fastener may and should be closely folded over each edge. A straight piece of material, if folded over and substantially returned upon itself, as specified, could not be folded neatly over the edges of the
50 sheets, but would leave unsightly projections at those places.

The fastener may be made of brass or other metal or material or in the form of a spiral or a segment of any of the above forms; but
55 I do not confine myself to the particular form, materials, or manner of applying my invention herein disclosed, as many variations in the same will occur to any observant user of the same without departing from my inven-
60 tion; but

What I claim, and desire to secure by Letters Patent, is—

1. As a paper-fastener, a thin strip of pliable material in the form of a split ring, adapted, when neatly folded over the corner of the
65 paper to substantially overlie itself.

2. As a paper-fastener, a split ring of thin, pliable material coated on one side with an adhesive substance, and adapted when neatly
70 folded over the corner of a paper, to substantially underlie itself.

3. As a paper-fastener, a thin strip of pliable material regularly curved in shape and having ends detached from each other, and
75 adapted, when folded over the edges of the corner of a paper, to substantially underlie itself.

THOMAS F. WELCH.

Witnesses:

MARCUS H. HOLCOMB,
EDWIN G. LEWIS.