

J. P. Herron.
Folding & Ruling Paper.
N^o 39045. Patented Jun. 30. 1863.

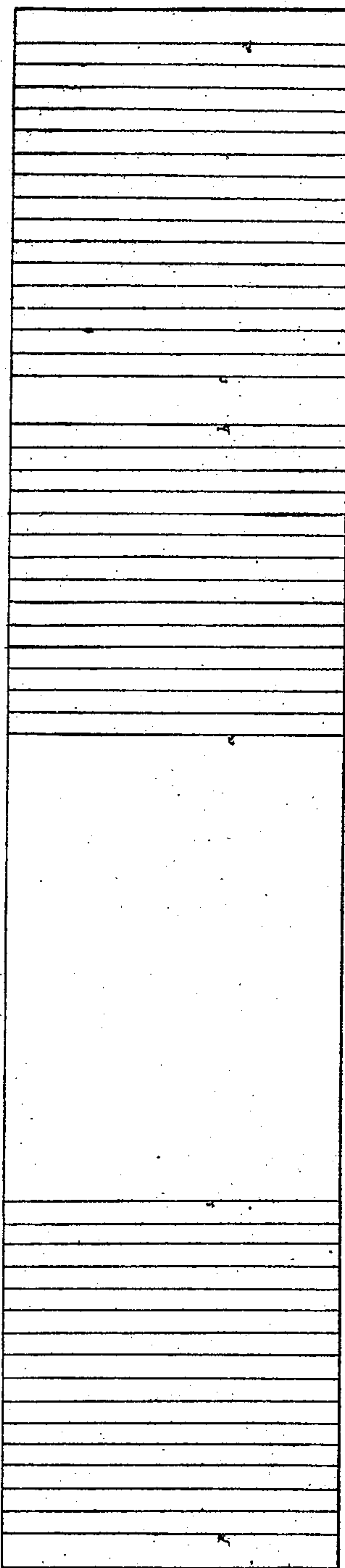


Fig. 1.

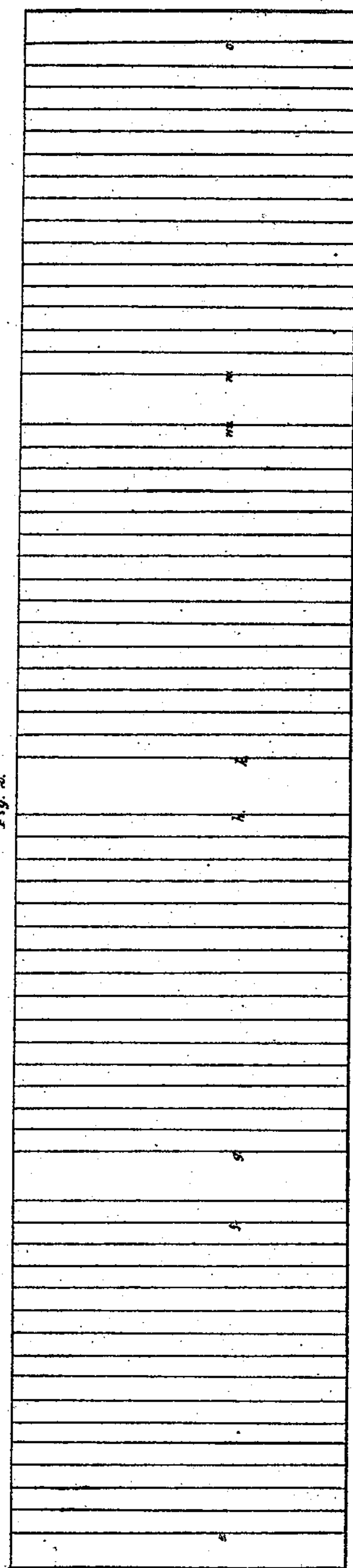


Fig. 2.

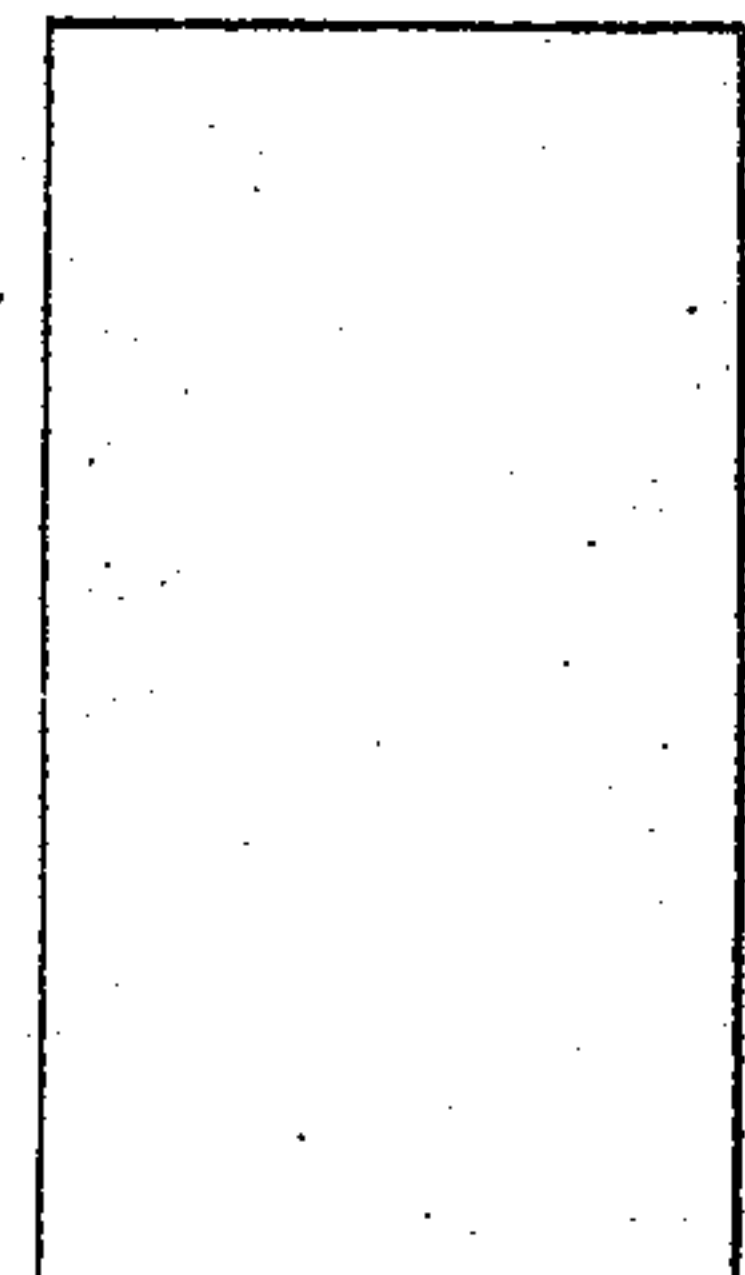


Fig. 3.

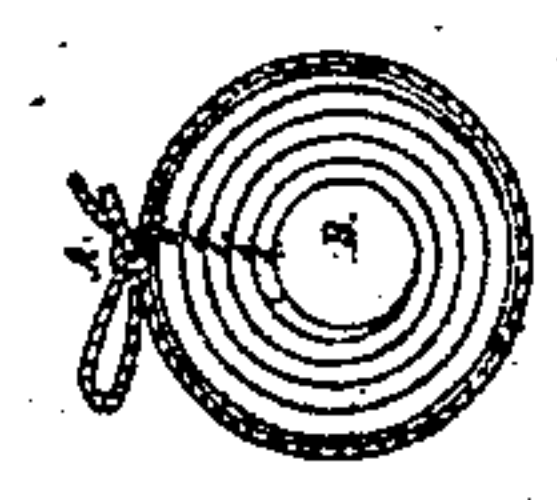


Fig. 5.

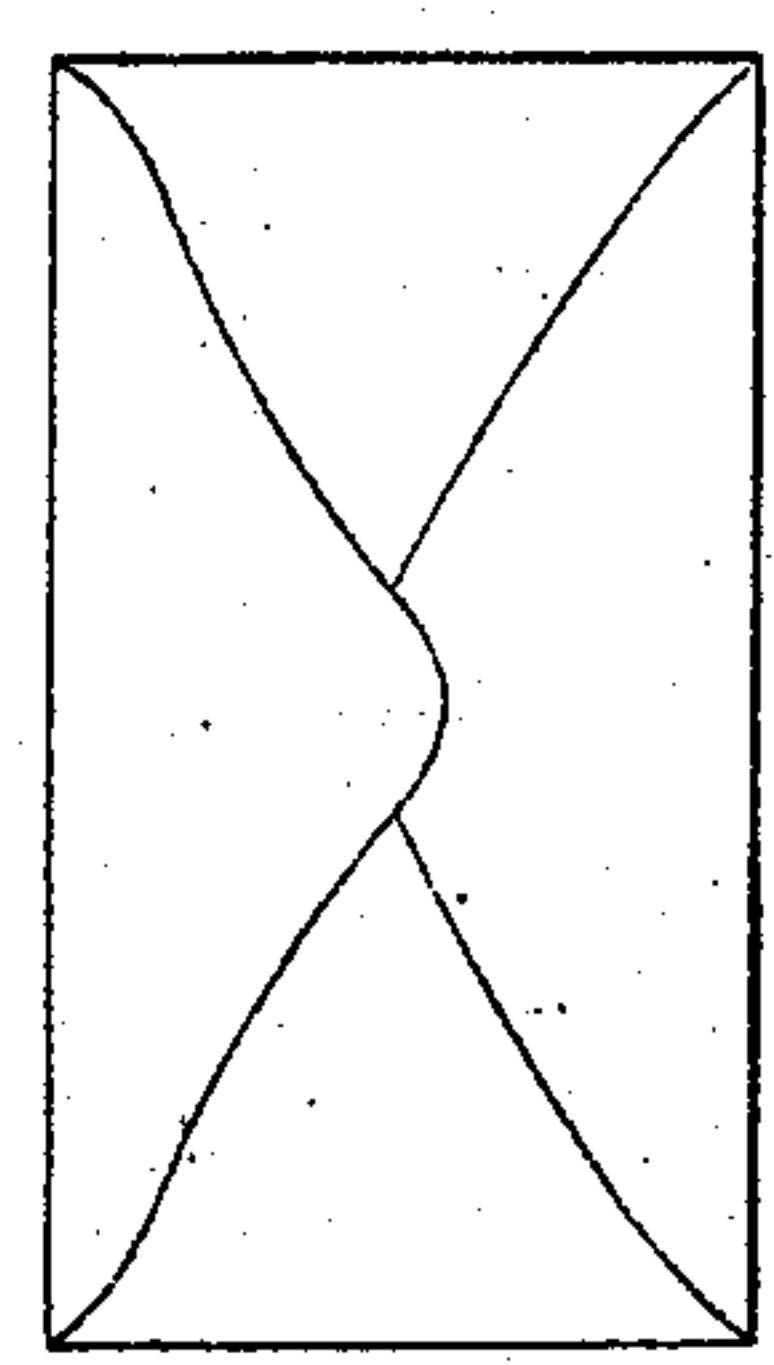


Fig. 4.

Witnesses.
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per
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UNITED STATES PATENT OFFICE.

JAMES P. HERRON, OF WASHINGTON, DISTRICT OF COLUMBIA.

FOLDING AND RULING PAPER.

Specification forming part of Letters Patent No. 39,045, dated June 30, 1863.

To all whom it may concern:

Be it known that I, JAMES P. HERRON, of Washington, in the District of Columbia, have invented a new and Improved Mode of Cutting, Ruling, Folding, and Rolling Letter-Paper; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object of my invention is to provide a sheet of letter-paper so ruled as to be convenient for folding and portable without damage. To accomplish this object, I make a sheet of indefinite length, as represented in Figures 1 and 2 of the accompanying drawings, Fig. 1 showing one side and Fig. 2 the other side of the sheet. Commencing at *p* in Fig. 1, I rule the paper, as shown in the drawings, to *s*. Leaving blank the space between *s* and *a*, I again rule the paper, as before, from *a* to *b*. Leaving blank the space from *b* to *c*, I again rule, as before, from *c* to *d*. If I want a sheet longer than that shown in the drawings, I cut the paper to any desirable length and repeat the above described process of ruling until the sheet is filled, leaving blank a space from *d* equal to the space from *b* to *c*, and again commencing with *p*, on an extension of the sheet, (not shown in the drawings,) and ruling precisely as before to *d* again, and so on indefinitely. On the other side of the sheet, as shown in Fig. 2, I rule equal spaces *e f g h k m n o*, leaving between them equal blank spaces *f g h k m n*, repeating this till the sheet is filled. In folding, the entire sheet *o* is placed against *e*, the fold occurring between *h* and *k*. Then *d* is placed against *a*, the fold occurring between *b* and *c*. Then *s* is put against *p*, having the blank or unruled space between *s* and *a* all on the outside, and when put into the envelope safely securing all the writing from being seen.

Figs. 3 and 4 represent the usual envelope, which I make of sizes to suit my different sizes of writing-paper.

Fig. 5 represents the manner of rolling the paper for the purpose of having it compact, convenient for carrying, and safe from injury. In the sectional view shown the orange-colored circle *B* is a section of a roller of wood or other material around which the paper is rolled, as shown at *r r r r r*, and secured by a string tied at *A*. This method of rolling and securing the paper, to which I have especially adapted the size and shape of the sheets and the ruling of the paper, is of particular importance, as it effectually secures the paper from being crushed or rumpled, and renders it very convenient for packing and carrying in a knapsack, haversack, or carpet bag. Designed with especial reference to the wants of the soldier in the field, it will, nevertheless, be of equal value to any other class of persons whose business calls them to travel.

I would call attention to the fact that my invention supplies to the soldier or traveler not only a convenient, but an economical article of letter-paper, for from the manner in which it is cut and ruled it is evident that any quantity which may be desired for immediate use may be cut from the end of the sheet without injury to what is left, thereby preventing the necessity of consuming a greater amount of paper than you actually need, as is frequently the case where paper is folded, as it ordinarily is, in double sheets.

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

1. The ruling and folding, Figs. 1 and 2, substantially as set forth.
2. The rolling or packing, as described, and as shown in Fig. 5.
3. The cutting of the paper into the form shown in Figs. 1 and 2, in combination with the ruling and folding shown in said Figs. 1 and 2, substantially as described.

JAMES P. HERRON.

Witnesses:

D. E. SOMES,
L. HILL.