

No. 629,556.

Patented July 25, 1899.

J. A. FARRINGTON.
CARRIER FOR SLIP SHEETS.

(Application filed Mar. 2, 1892.)

(No Model.)

Fig. 1.

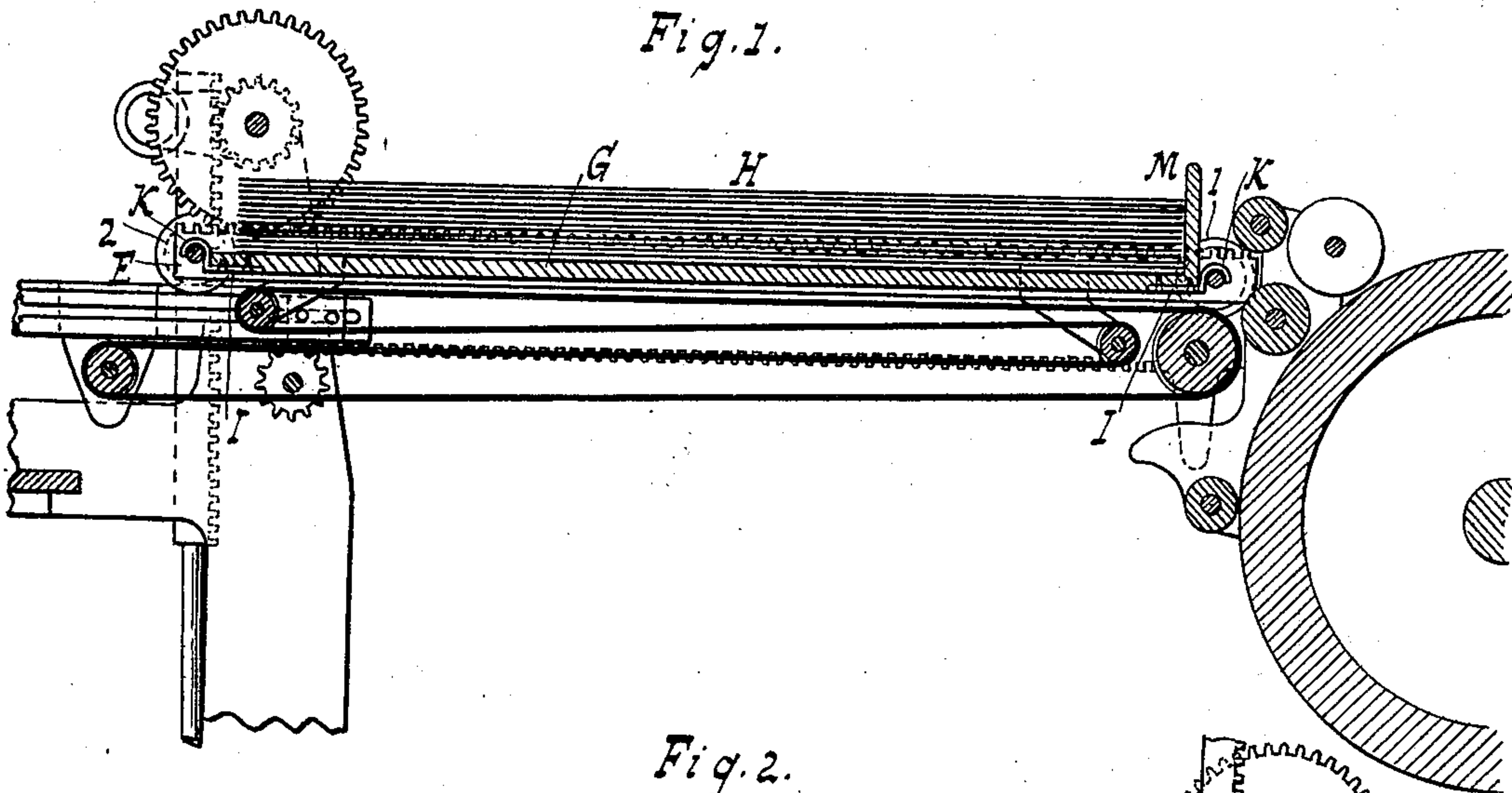


Fig. 2.

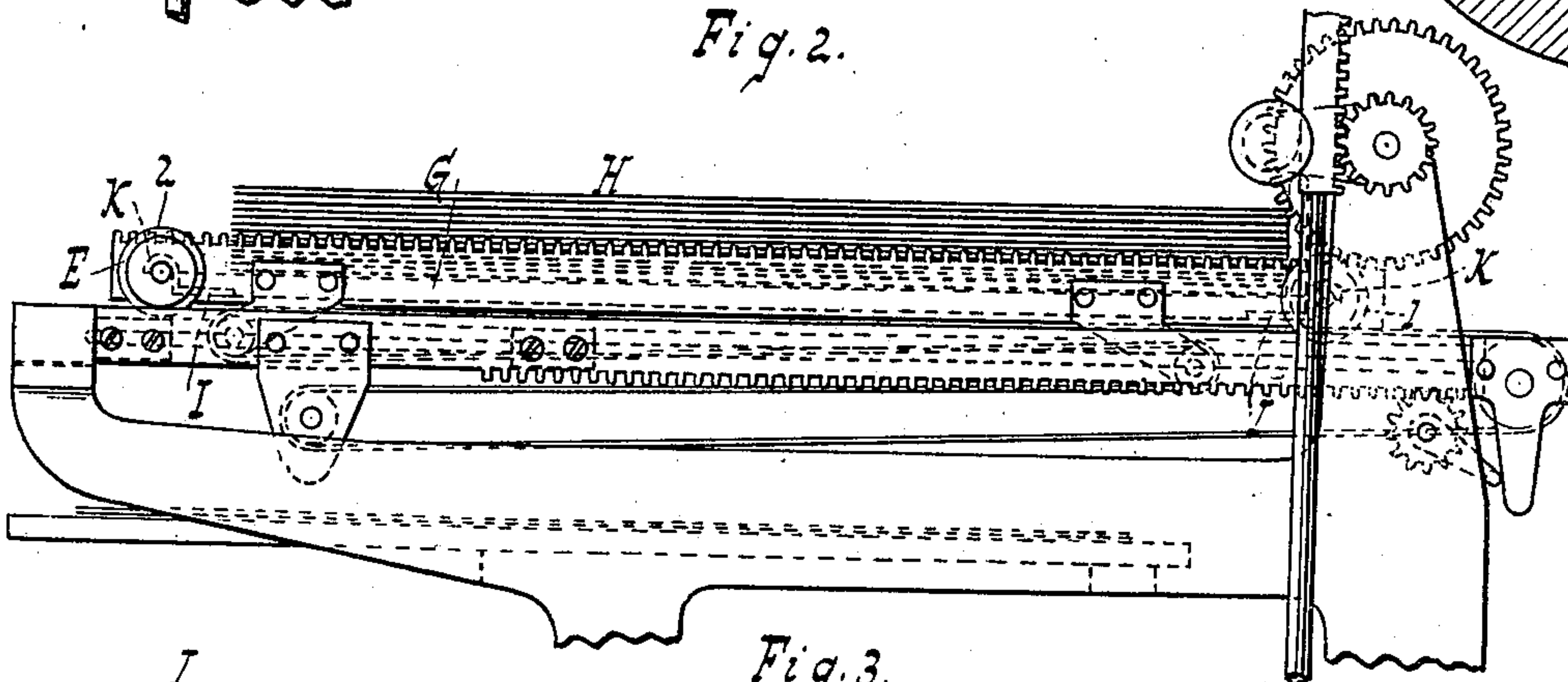


Fig. 3.

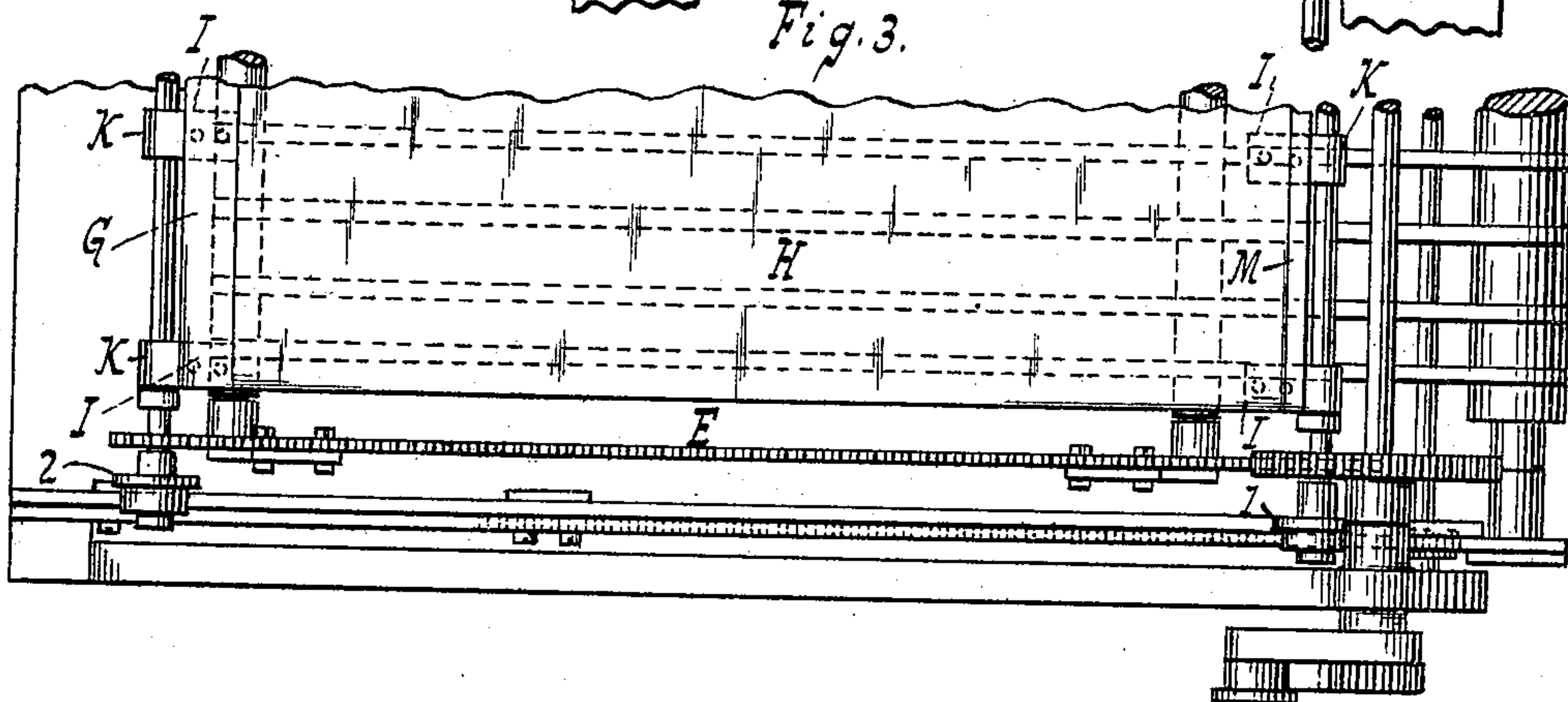
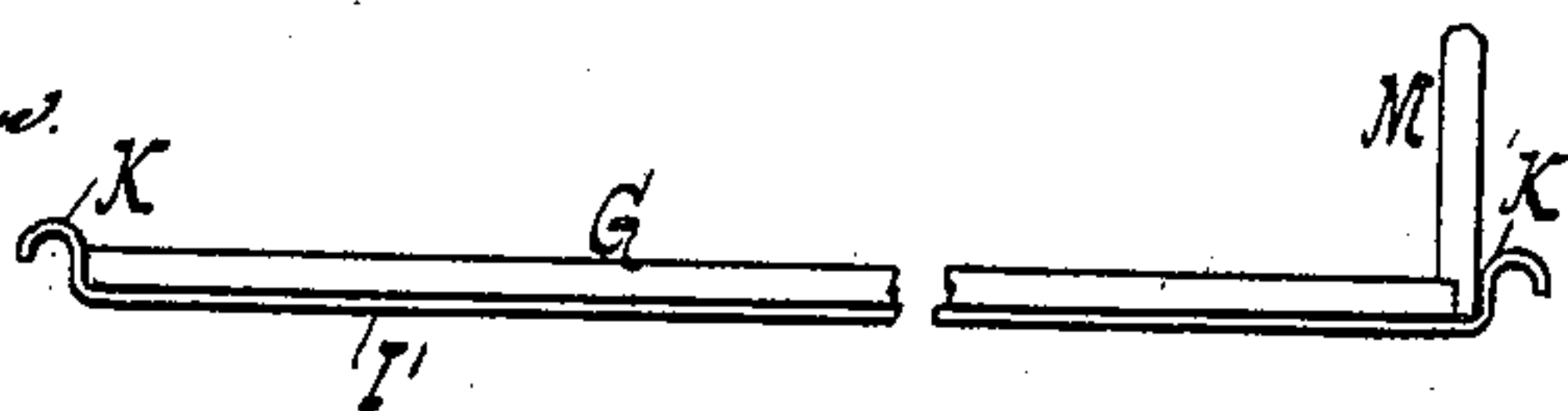


Fig. 4.

WITNESSES:
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UNITED STATES PATENT OFFICE.

JOHN A. FARRINGTON, OF NEW YORK, N. Y., ASSIGNOR TO THE BABCOCK PRINTING PRESS MANUFACTURING COMPANY, OF NEW LONDON, CONNECTICUT.

CARRIER FOR SLIP-SHEETS.

SPECIFICATION forming part of Letters Patent No. 629,556, dated July 25, 1899.

Application filed March 2, 1899. Serial No. 707,504. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. FARRINGTON, a citizen of the United States, residing at New York, (Brooklyn,) in the county of Kings and State of New York, have invented new and useful Improvements in Carriers for Slip-Sheets, of which the following is a specification.

By means of this invention a printing-press or the like can be supplied with so-called "slip-sheets" or "smut-sheets," so that such slip-sheets are in convenient reach or position as required for being placed on top a printed sheet before the next succeeding printed sheet is laid on the printed pile.

The invention is set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a sectional side elevation of a carrier. Fig. 2 is a side elevation showing the tape-carriage in different position than in Fig. 1. Fig. 3 is a plan view of Fig. 2. Fig. 4 shows a modification.

The tape-carriage E is well known and need not be described in detail, as it can be actuated or reciprocated by well-known means—such, for example, as shown in United States Patent No. 604,974, granted May 31, 1898.

A slip-sheet table is shown at G, the slip-sheets H being piled onto this board or table G. This board G is carried by or provided with rods or supports I, which can be extended entirely across under the table G or secured only to edge parts thereof and provided with end or hook portions K, made to engage or straddle the axles of the tape-carriage wheels 1 and 2. Six such hooks K have been found to form a practical support for board G, four such hooks being at the sides or near the wheels and two in the center line of the axles, or approximately so. As the tape-carriage runs to the receiving board or table the slip-sheet table or pile moving with the carriage brings the slip-sheets into reach of the attendant at the receiving-table. Such attendant lifting or flipping the top slip-sheet loose from pile H and holding it to or over the printed sheet just delivered such slip-sheet on the return of the carriage will drop or come to rest on such top sheet of the printed

pile. A back stop M has been found useful for alining the slip-sheets or keeping the slip-sheet pile in proper place.

Of course the slip-sheet table G need not be mounted on a tape-carriage; but such slip-sheet table could be otherwise applied or independently mounted and reciprocated. The construction shown, however, is simple and has been found serviceable in practice. As shown in the drawings, this slip-sheet table is applied to a so-called "front-delivery" press.

In addition to back board M the table G might have sides or lateral pieces for confining the slip-sheets; but such sides have not been found necessary. A front stop could also be applied, in which case the slip-sheets successively lifted off the pile would have to be drawn over this front stop. In practice, however, a front stop has not been found necessary.

In Fig. 4 the hook-fastenings I are shown replaced by rods I'. Three such rods can be applied, one at the center and two at the sides of the table G. Each rod having its ends hooked and such hooks K rising somewhat from rods I', the board G could be loosely laid on such rods and would be prevented by the hooks or riser K from slipping or shifting backward or forward.

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

1. In a printing-press, the combination with delivery mechanism for the printed sheets of a reciprocating slip-sheet carrier supporting the pile of sheets, substantially as described.

2. In a printing-press, the combination with delivery mechanism for the printed sheets, of a reciprocating slip-sheet carrier, supporting the pile of sheets, actuated by said delivery mechanism, substantially as described.

3. In a printing-press, the combination with a tape-carriage, of a bodily-movable slip-sheet carrier, supporting the pile of sheets, mounted on said carriage and operated thereby, substantially as described.

4. In a printing-press, the combination with a tape-carriage, of a bodily-movable slip-sheet carrier, supporting the pile of sheets, mounted on said carriage and operated thereby, and

a back-stop for the sheets on said carrier, substantially as described.

5 5. A printing-press having a tape-carriage and a slip-sheet table or carrier having rods or supports provided with hook portions made to engage the axles of the tape-carriage wheels substantially as described.

10 6. A printing-press having a tape-carriage and a slip-sheet table or carrier having rods or supports provided with hook portions made to engage the axles of the tape-carriage wheels,

said hook portions being made to rise above the table or board of the slip-sheet carrier to prevent the bottom sheet sliding substantially as described.

15 In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN A. FARRINGTON.

Witnesses:

W. C. HAUFF,

E. F. KASTENHUBER.