

(No Model.)

F. A. HETHERINGTON.

INKING APPARATUS FOR CYLINDER PRINTING MACHINES.

No. 335,196.

Patented Feb. 2, 1886.

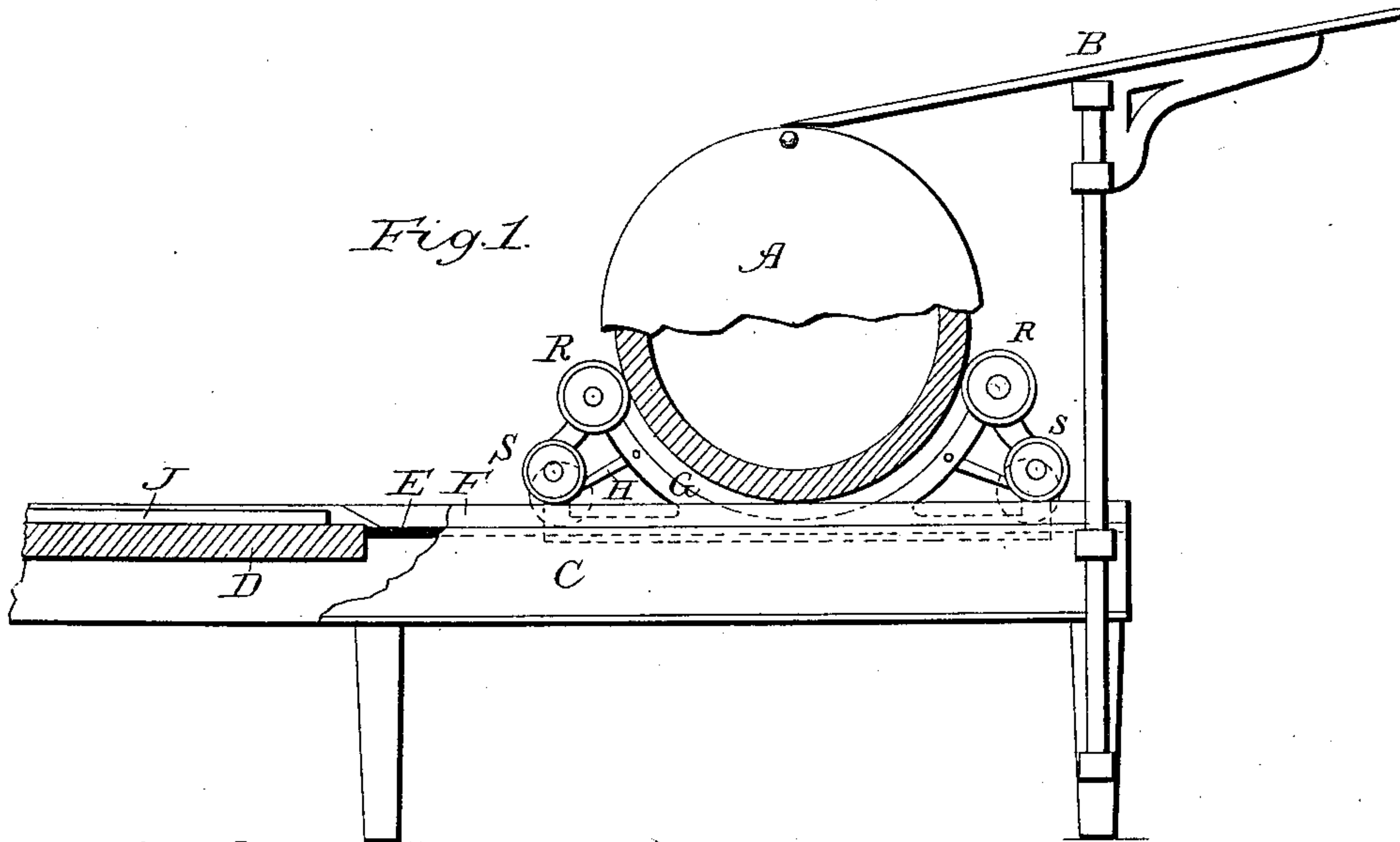


Fig. 2.

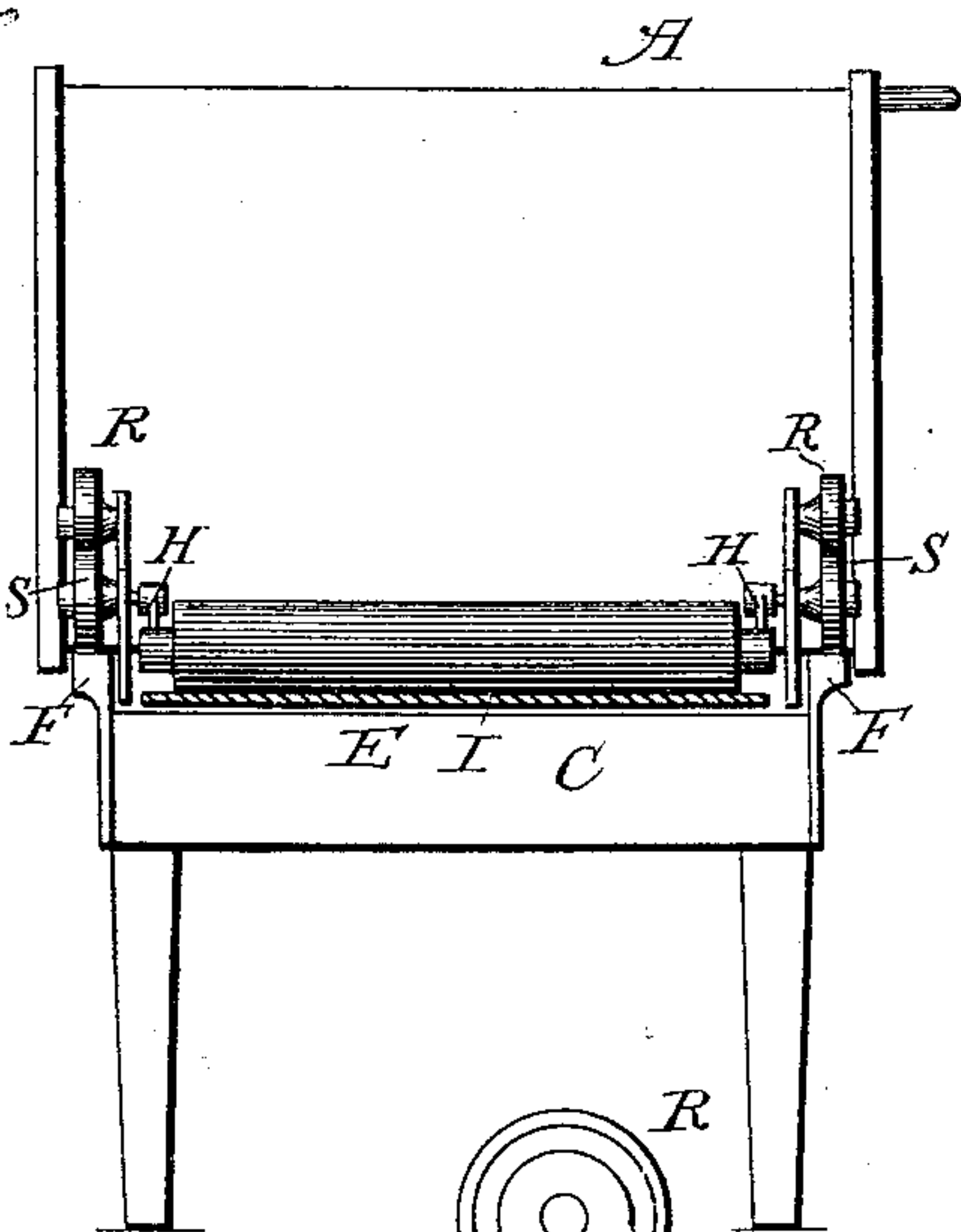
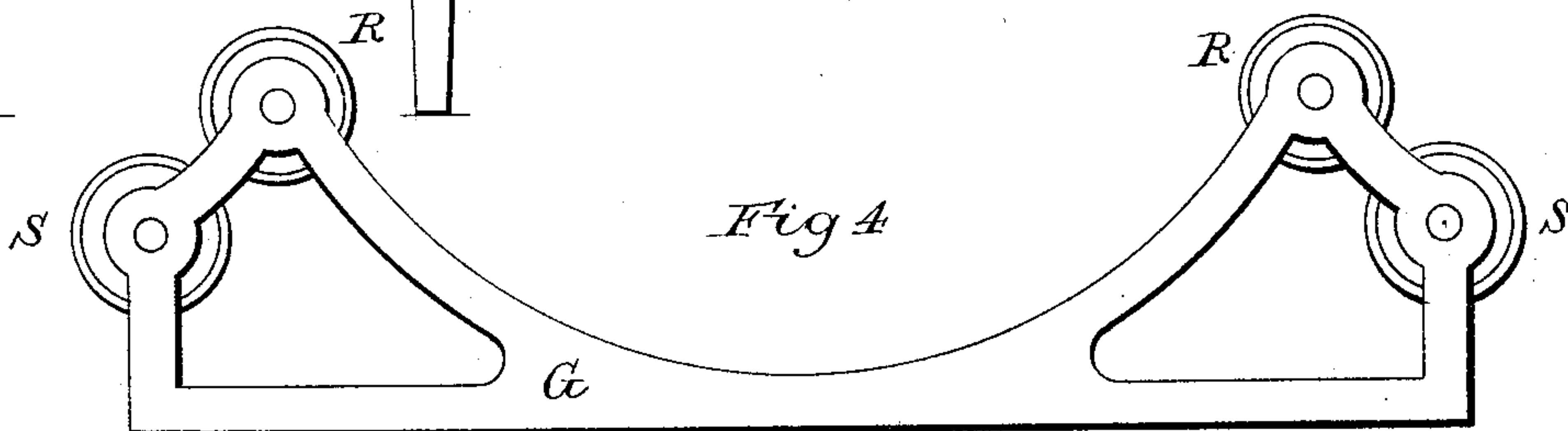
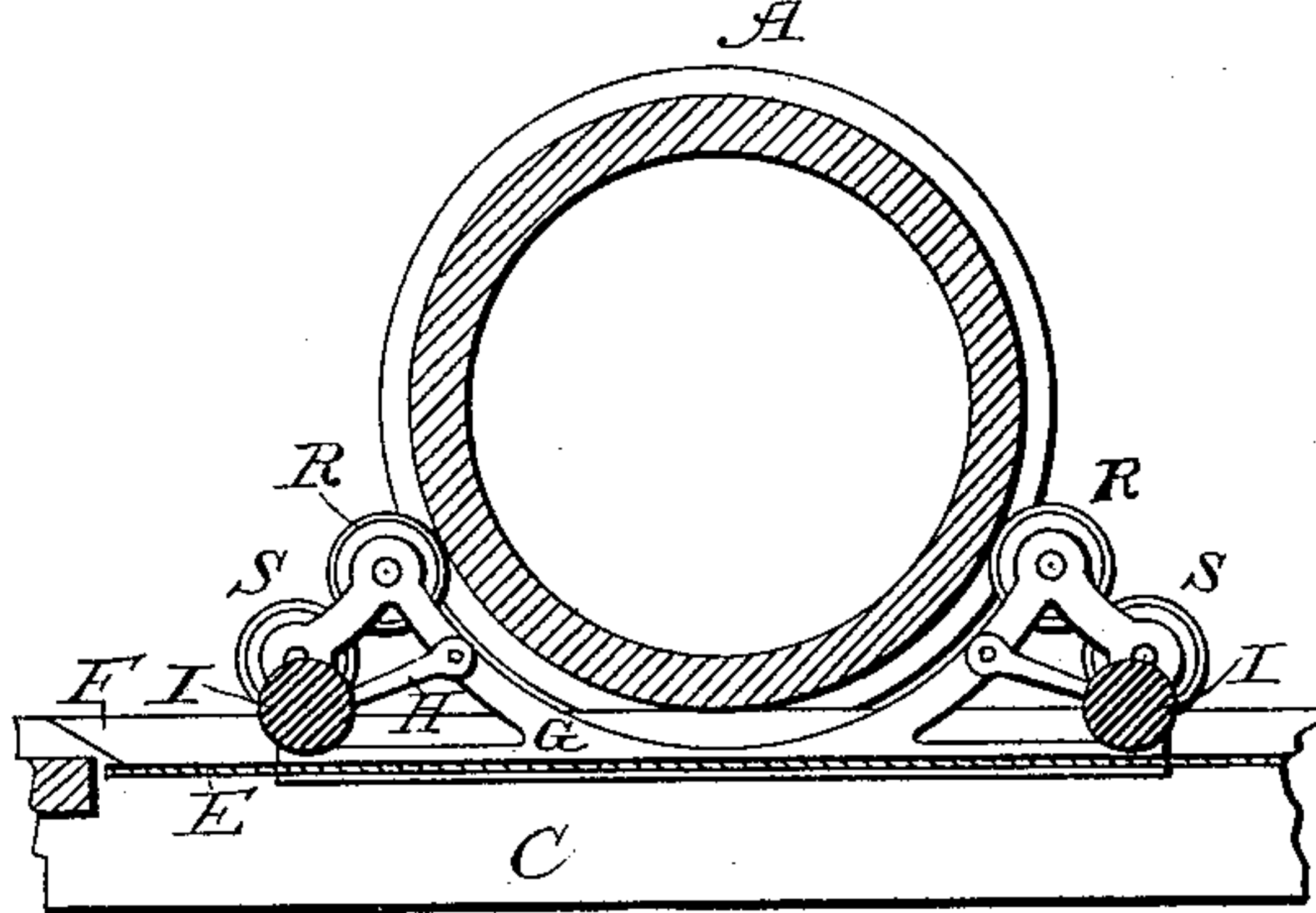


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

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INKING APPARATUS FOR CYLINDER PRINTING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 335,196, dated February 2, 1886.

Application filed January 24, 1885. Serial No. 153,908. (No model.)

To all whom it may concern:

Be it known that I, FREDRICK A. HETHERINGTON, a citizen of the United States, residing at Indianapolis, in the county of Marion, State of Indiana, have invented a new and useful Improvement in Inking Apparatus for Cylinder Printing-Machines, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to that class of printing-presses wherein the impression is obtained by means of a cylinder rolling over a type-bed, of which class the ordinary proof-press may be cited as an example.

The object of my invention is to provide means of operating ink-rollers in connection with an inker-carriage with a comparatively small amount of power.

Figure 1 is a side view of part of a press, and partially in section, showing my improvement attached. Fig. 2 is an end view of the same. Fig. 3 is a sectional view through the center of cylinder. Fig. 4 is a side view of the inker-carriage to which my claim relates.

Similar letters refer to the same parts in the several views.

Part marked A represents the impression roller or cylinder.

B, Fig. 1, is the feed-table. (Not shown in Figs. 2, 3, or 4.)

Part marked C shows the frame-work of press.

Part marked D is the type-bed.

E is the ink-table or distributing-plate, to which ink may be supplied either from a hand-roller or the usual style of fountain.

F F are the tracks or ways upon which the impression-roller and inker-carriage runs.

G is the side frame of the inker-carriage.

H H, Fig. 2, are arms extending from an axis on the inker-carriage and carrying the ink-rollers.

I I are ink-rollers of the customary composition, or other material suitable for the purpose.

J, Fig. 1, represents the type.

S S are truck-wheels upon which the carriage travels, of which there are four.

R R are propelling-wheels, which bear against the periphery of the cylinder at four points, and are the direct means by which motion is given to the inker-carriage from that of the cylinder, and which form, together with the impression-roller and inker-carriage, the combination mentioned in my claim.

Fig. 4 is a side view of the inker-carriage. Two of such sides are connected by rods, as shown in Fig. 2, and so adjusted that the wheels S S will roll upon the tracks F F. As the impression-roller is rolled from one end of the press to the other, the inker-carriage is carried with it, first one set of the propelling-wheels R R being called into action and then the other.

I am aware that prior to my invention inker-carriages have been used in connection with a rolling cylinder. I therefore do not claim this combination; but

What I do claim, believing it to be new, and desire to secure by Letters Patent, is—

In a printing-press, the combination, with an impression-cylinder and inker-carriage, of propelling wheels or rollers which transmit motion to the inker-carriage from the cylinder, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

F. A. HETHERINGTON.

Witnesses:

HERMAN F. GARTH,
BENJ. F. HETHERINGTON.