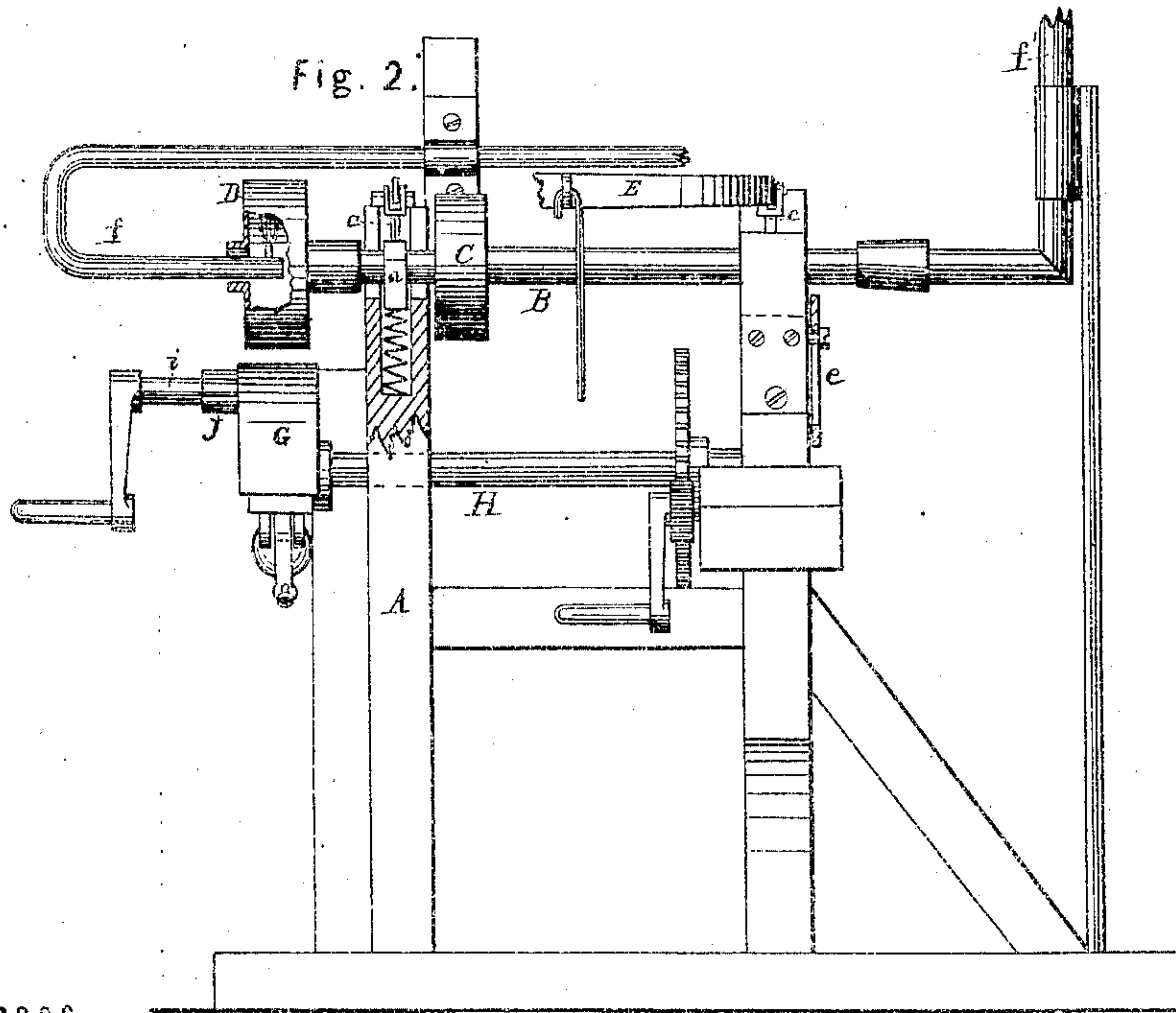
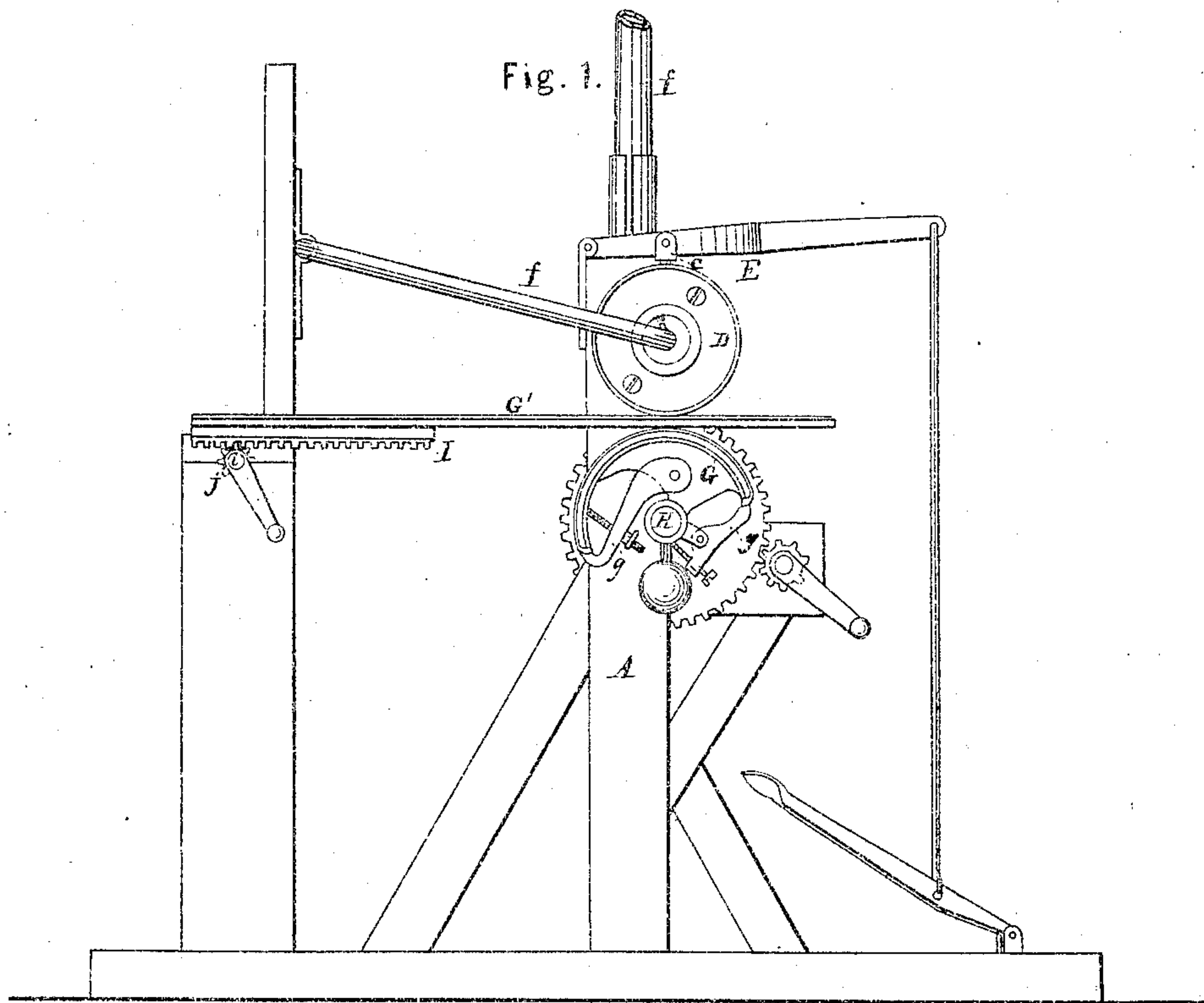


P. O. Thayne
Ironing Mach.

N^o 63,301.

Patented Mar. 26. 1867.



Witnesses.

F. A. Jackson.
Wm. Green.

Inventor.

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United States Patent Office.

P. O'THAYNE, OF NEW YORK, N. Y.

Letters Patent No. 63,301, dated March 26, 1867.

IMPROVEMENT IN IRONING MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, P. O'THAYNE, of the city, county, and State of New York, have invented a new and improved Ironing Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a side elevation of this invention.

Figure 2 is a sectional end view of the same.

Similar letters of reference indicate like parts.

This invention relates to a machine for ironing clothes or articles of any description, said machine being composed chiefly of a movable flat or segmental board in combination with a smoothing-iron, which is heated by a gas flame, and which is so arranged that it can be depressed on the board, and that it can be revolved if it should be desirable.

A represents a frame, made of wood or any other suitable material. In the upper part of this frame are fitted two boxes *a*, which rest on springs *b* so that they are yielding, and which form the bearings for the shaft B. On this shaft is mounted a pulley, C, and a cylindrical smoothing-iron, D, so that by a belt passing over said pulley a rotary motion is imparted to said smoothing-iron. From the boxes *a* rise two standards *c*, which are pivoted to a forked lever, E, that is fulcrated in suitable brackets attached to the frame A, and connected by a rod, *d*, with a treadle, F, so that by pressing on said treadle the boxes *a*, together with the shaft and smoothing-iron, are depressed on the board or platform G, which supports the articles to be ironed. The smoothing-iron D is mounted on one end of the shaft B, and in order to compel the same to bear down firmly and evenly on the platform G an adjustable rest, *e*, is attached to the frame A under that end of the same which is opposite to the smoothing-iron. Said smoothing-iron is heated by a gas flame, the requisite supply of gas being introduced through a pipe, *f*, and the products of combustion are carried off through the shaft B, which is hollow, and connects with the chimney *f'*, as clearly shown in fig. 2 of the drawing. By the gas flame the smoothing-iron can be kept hot whether said iron is made to revolve or used stationary. The platform G is either made in the form of a cylinder or segment of a cylinder, or it may be made in the form of a flat board. When made in the form of a segment it is mounted on the end of an arbor, H, to which a revolving or oscillating motion can be imparted by a crank and gear or in any other suitable manner. Said segmental platform may be rigidly connected to the shaft, as shown in the drawing, and in that case suitable clamps or catches *g g* are provided, which serve to secure the articles to be ironed to the platform. If desired, the segmental platform may be so arranged that it can be turned back on a hinge, so that the same can be conveniently introduced into a shirt or other similar article. Instead of the segmental or cylindrical platform G, a flat board, G', may be used in combination with the cylindrical smoothing-iron D. This flat board is provided with a toothed rack, I, which gears in a pinion, J, mounted on a shaft, *i*, so that by means of said shaft a reciprocating motion can be imparted to the board, and articles fastened thereon can be exposed to the action of the smoothing-iron.

The operation of this machine is very simple, and will be readily understood from the foregoing description. Instead of the rotating iron D and reciprocating platform G G', I may use a stationary smoothing-iron and apply the pressure to the bottom of the platforms by means of springs, screws, or other devices.

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

1. The construction and arrangement, upon the frame A, of the cylindrical revolving smoothing-iron D, hollow shaft B, having its bearings in the yielding boxes *a*, which are provided with the standards *c*, adjustable rest *e*, forked lever E, rod *d*, and treadle F, substantially as herein shown and described.

2. The segmental platform G upon the end of the shaft H, provided with the clamps *g g*, flat board G', having the toothed rack I, pinion J mounted upon the shaft *i*, when all are constructed and arranged upon the frame A as and for the purpose specified.

The above specification of my invention signed by me this 17th day of November, 1866.

P. O'THAYNE.

Witnesses:

WM. F. McNAMARA,
ALEX. F. ROBERTS.