

(No Model.)

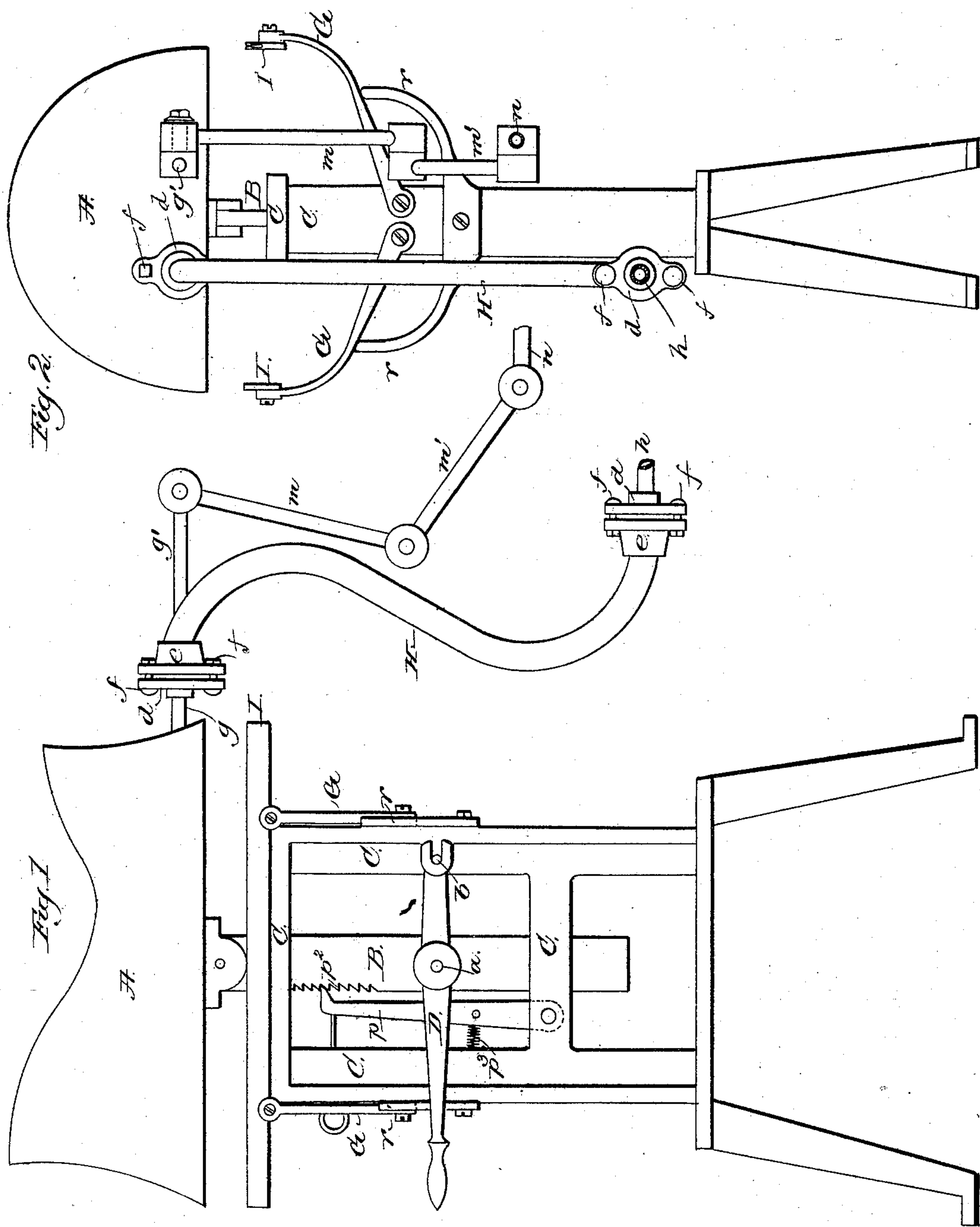
2 Sheets—Sheet 1.

J. A. HOUSE.

CORSET PRESS.

No. 316,547.

Patented Apr. 28, 1885.



*Witnesses,*

John F. C. Preinherl  
B. J. Noyes.

*Inventor,*

*James Atford House.*

by Crosby & Gregory attys

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2 Sheets—Sheet 2.

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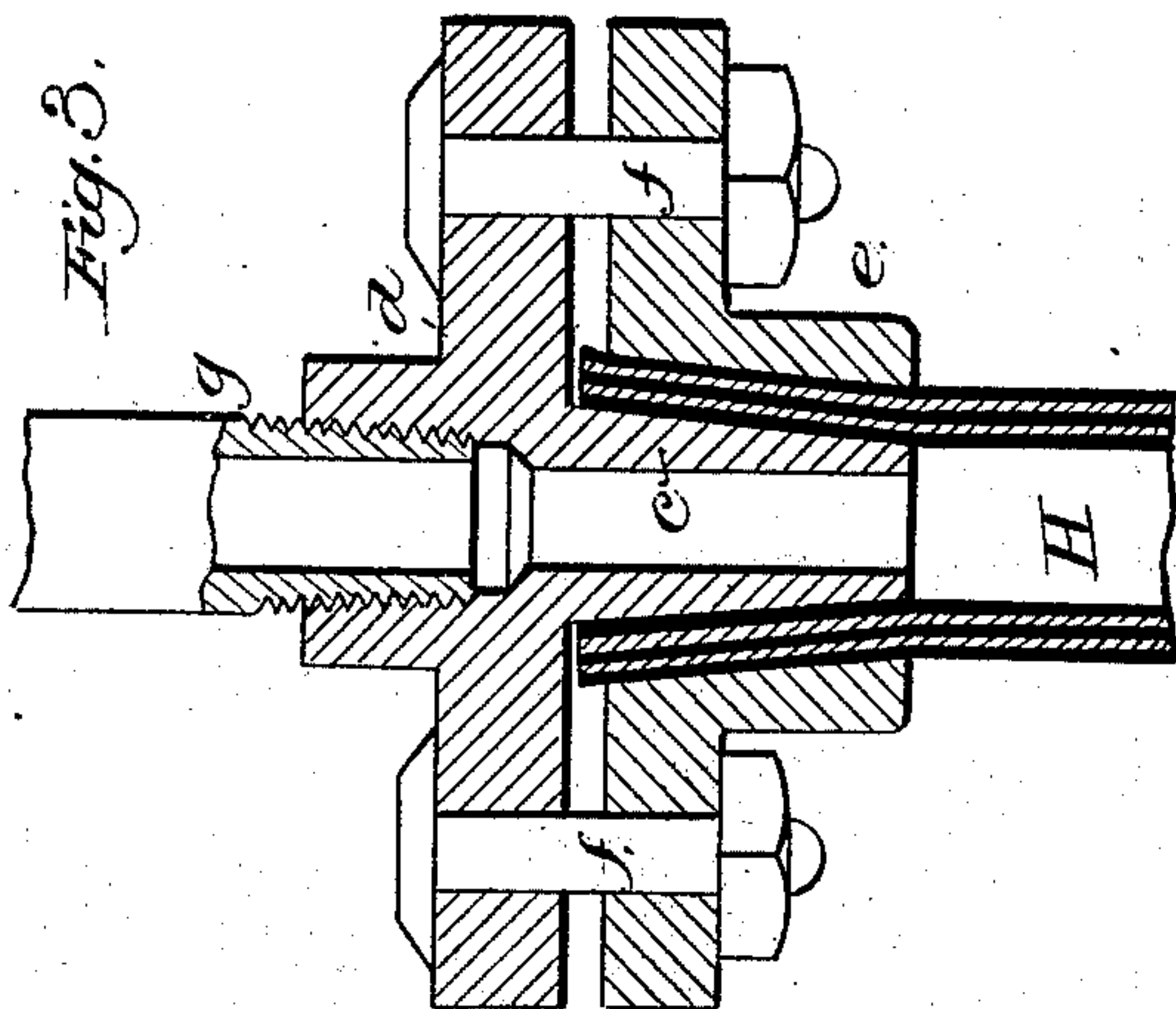


Fig. 4.

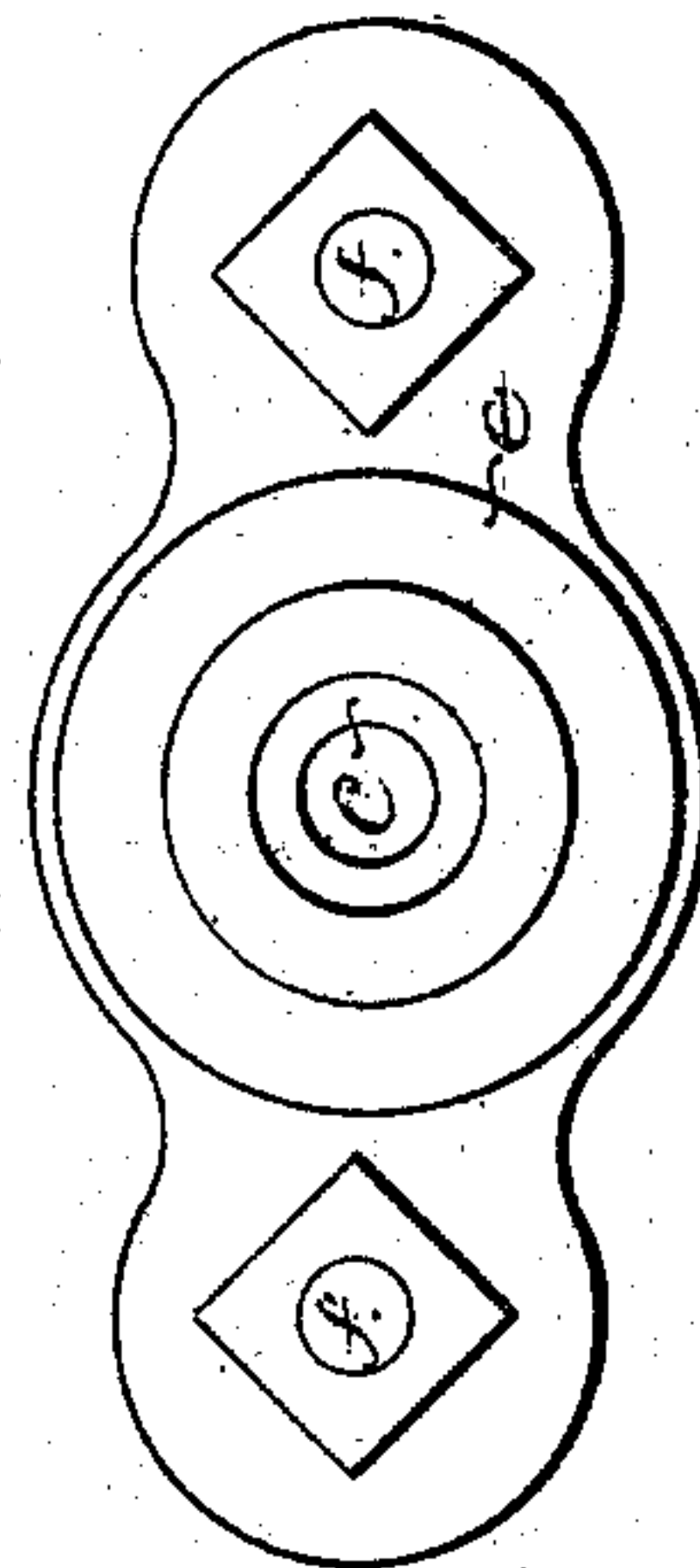


Fig. 5.

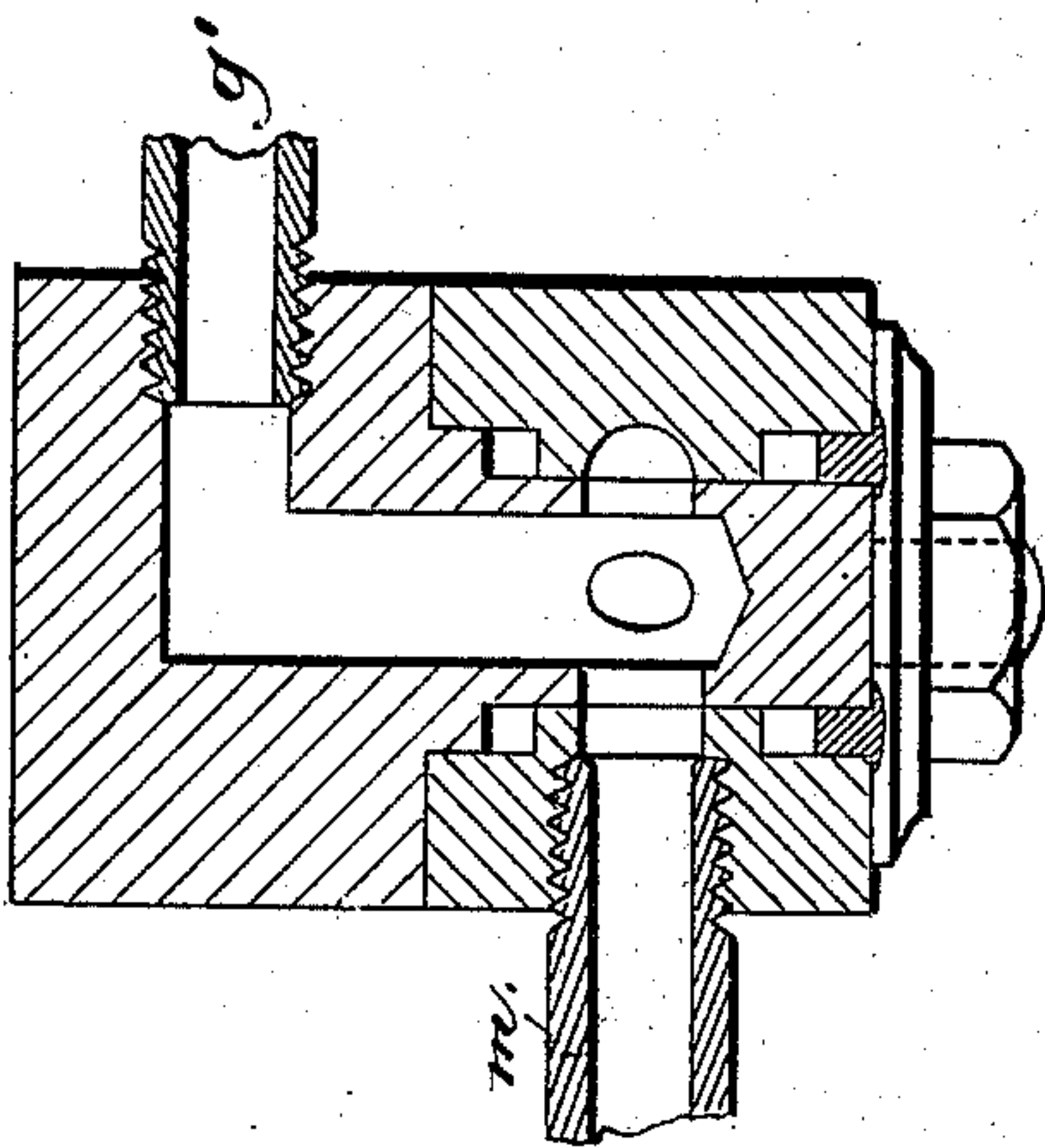
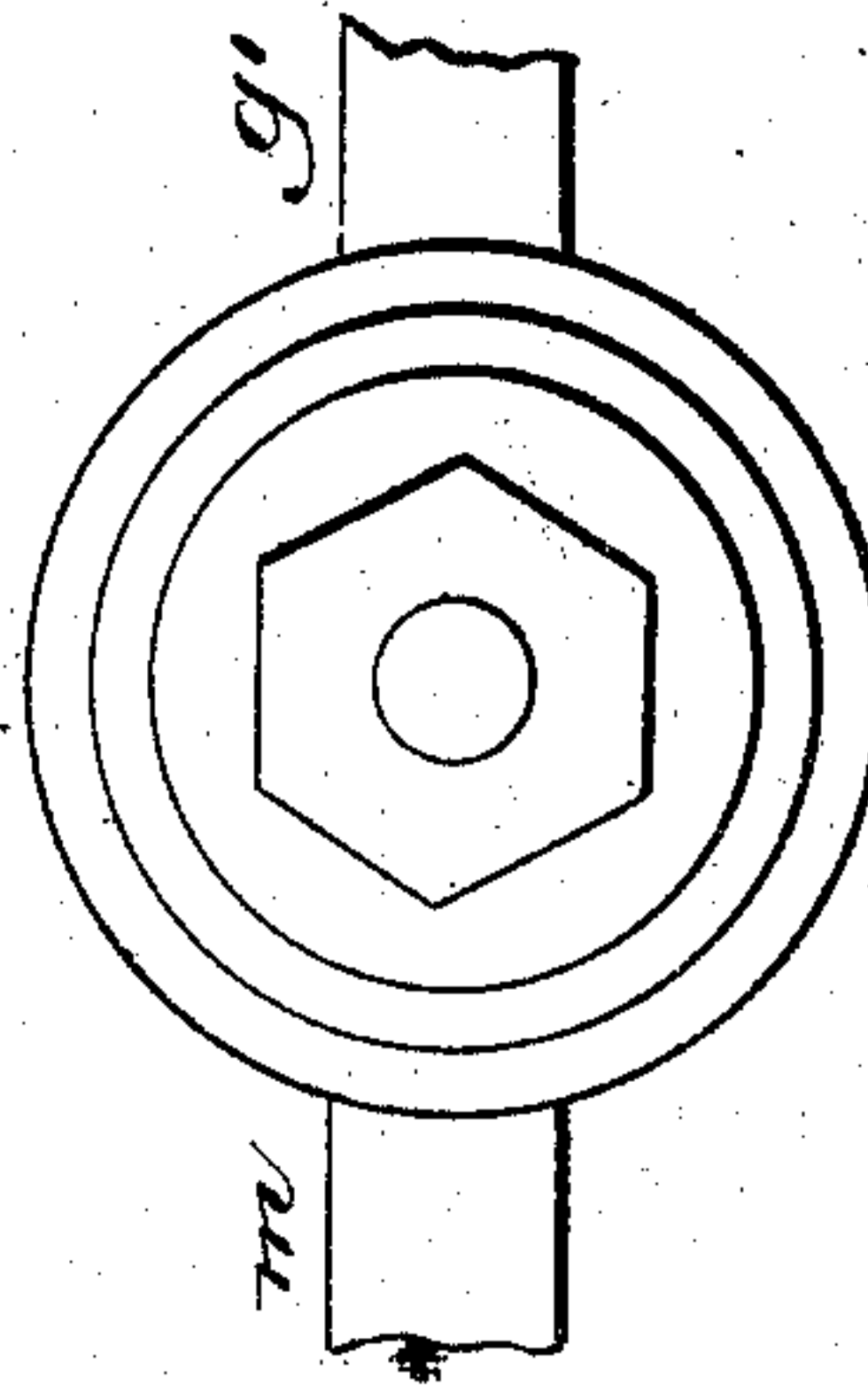


Fig. 6.



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# UNITED STATES PATENT OFFICE.

JAMES ALFORD HOUSE, OF BRIDGEPORT, CONNECTICUT.

## CORSET-PRESS.

SPECIFICATION forming part of Letters Patent No. 316,547, dated April 28, 1885.

Application filed September 21, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES A. HOUSE, of Bridgeport, county of Fairfield, State of Connecticut, have invented an Improvement in  
5 Apparatus for Pressing Corsets, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to provide  
10 the movable mold of a corset-pressing apparatus with a pipe which shall convey to the mold the gas or fluid employed to heat the same.

My invention consists, essentially, in a movable mold combined with a pipe in connection therewith, and with a suitable supply for  
15 gas, steam, or hot air, whereby the said mold will be kept in operative connection with the gas, steam, or hot-air supply, notwithstanding  
20 the movement of the mold.

Figure 1 in side elevation represents a corset-pressing apparatus embodying my improvements; Fig. 2, a right-hand end view; Figs. 3 and 4, details showing means for connecting the flexible pipe with the form, and  
25 Figs. 5 and 6 details of one of the joints of the jointed pipe.

The mold A—a hollow shell, preferably of metal—is pivoted upon the upper end of a  
30 mold-lifter, B, shown as a bar guided in the frame-work C, and adapted to be moved by a lever, D, pivoted upon the lifter at *a*, the farther end of the lever D being slotted and having its fulcrum on a pin or stud, *b*, of the  
35 frame C.

The mold and operating mechanism therefor are broadly covered in my applications No. 92,634, filed April 23, 1883, and No. 100,969, filed July 16, 1883.

The clamps or devices I I, for engaging the edges of the corset laid or extended over the mold A, are in construction and operation substantially as in my Patent No. 251,884, to which reference may be had, wherein the  
45 clamps are designated by like letters, only that herein the part of the apparatus on which are pivoted the arms G, which carry the clamps, is not made to rise and fall. The clamps hold the corset at its edges while the mold is moved  
50 or forced into the same to shape and press it.

The mold, in practice, will be heated either with gas, steam, or hot air, and to keep up the

proper supply of the same into the mold I have devised two forms of connecting-pipes, either of which may be used, or both. 55

The pipe H is supposed to be composed of india-rubber, made as are other india-rubber pipes which convey gas or hot air. The ends of the pipe H are drawn over tapered necks or portions *c* of a coupling-plate, *d*, having  
60 co-operating with it a plate, *e*, having a socket to clamp the end of the pipe between them, as in Fig. 3, by the bolts *f*.

The clamping-plate *d* is screw-threaded to enable it to be screwed upon the pipe *g*, attached to the mold, or the pipe *h*, which comes from the reservoir for the supply of gas or hot  
65 air.

The pipe *g'* of the mold (shown in dotted lines, Fig. 2, and immediately at the rear of pipe *g*, Fig. 1) has connected with it a pipe, *m m'*, and the lower end of the latter is joined with a pipe, *n*, which may be connected with a suitable reservoir for steam, or it may be  
70 gas, the joints connecting the pipes *g'*, *m*, *m'*, and *n* being made as are the joints of ordinary two-light or swinging fixtures or brackets for gas. 75

I may employ one or more pipes to insure the entrance into the mold of the material to heat it, and they may be of india-rubber or flexible or jointed, as may be best for the particular material or substance to be used to heat the mold, as each form of pipe or connection enables the mold to be moved, and yet  
85 preserve the connection with it of the pipe used to convey to it gas or steam or hot air. The mold moved by the lever B is held in position by the pawl *p*, which engages the ratchet-teeth *p<sup>2</sup>* of the lifter or carrier B, a spring, *p<sup>3</sup>*, keeping the pawl up to its work. The arms  
90 G, when the clamps are disengaged from the corset, fall upon the rests *r*.

My pending application referred to describes that the form or mold will be heated in suitable manner, and this application shows how it may be done practically. 95

I claim—

1. In a corset-pressing apparatus, clamps or devices to engage and hold the edges of a corset extended over a mold, a mold pivoted to a mold-lifter, and means to operate said lifter to force the mold into the corset to press or shape the same, combined with a pipe and 100



flexible connections to supply the said movable mold with gas, steam, or hot air to heat it, substantially as shown and described.

2. In a corset-pressing apparatus, the combination of the corset-holding clamps, the mold, and a carrier or lifter to which it is pivoted, a lever for operating such carrier or lifter to force the mold into the corset to be pressed, a pawl and ratchet to hold such mold in its operative positions, and a pipe and flexible connections for supplying a heating agent to the mold to heat it, substantially as described.

3. In a corset-pressing apparatus, the con-

necting-pipe *g* and a pipe, *h*, in connection with a suitable reservoir or source of supply for gas or steam, an intermediate flexible pipe, *H*, and clamping-plates to hold the ends of the flexible pipe and secure the connection of the same with the said pipes *g h*, substantially as described.

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

JAMES ALFORD HOUSE.

Witnesses:

CHARLES H. DIMOND,  
HENRY W. GILBERT.