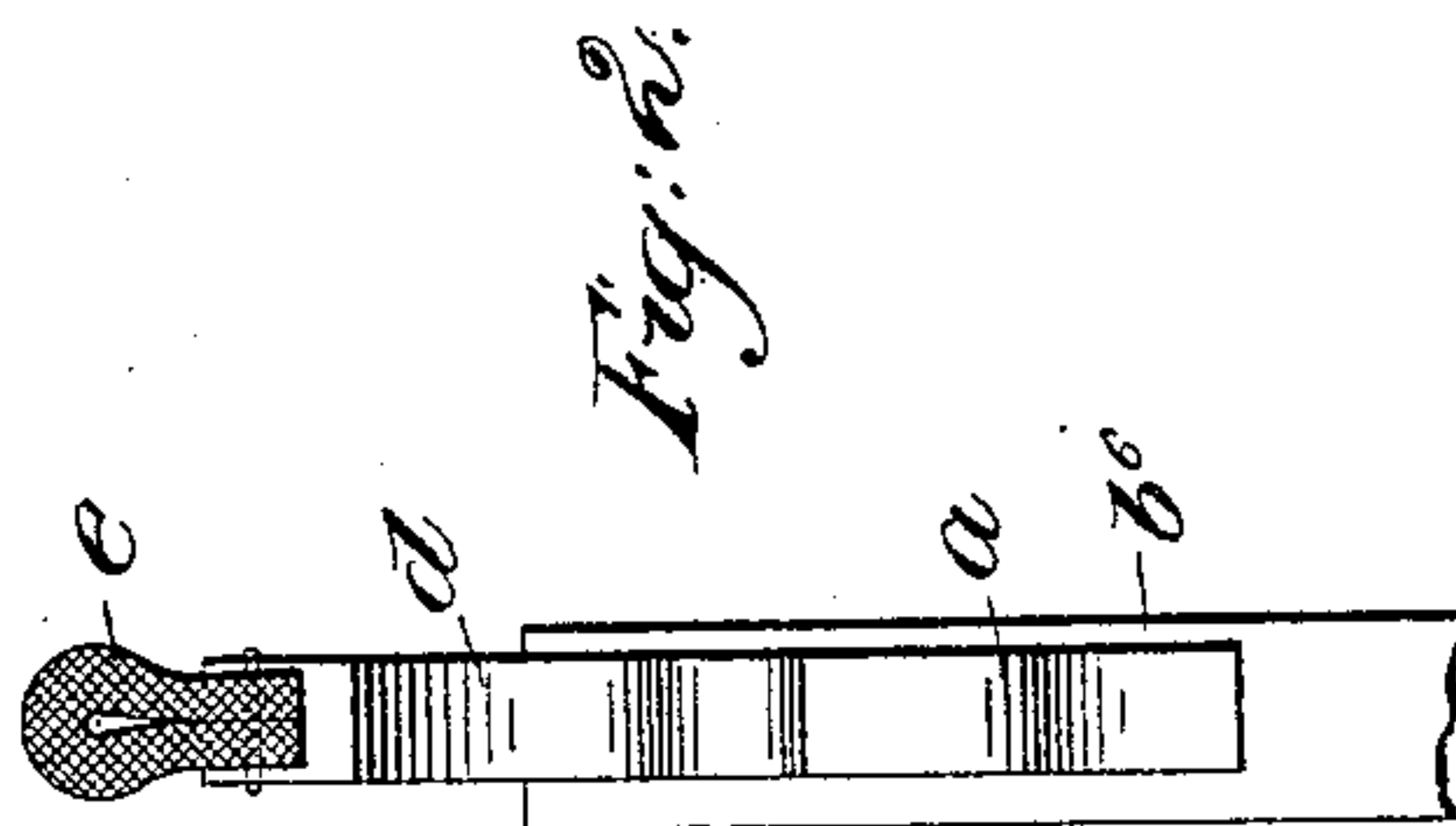
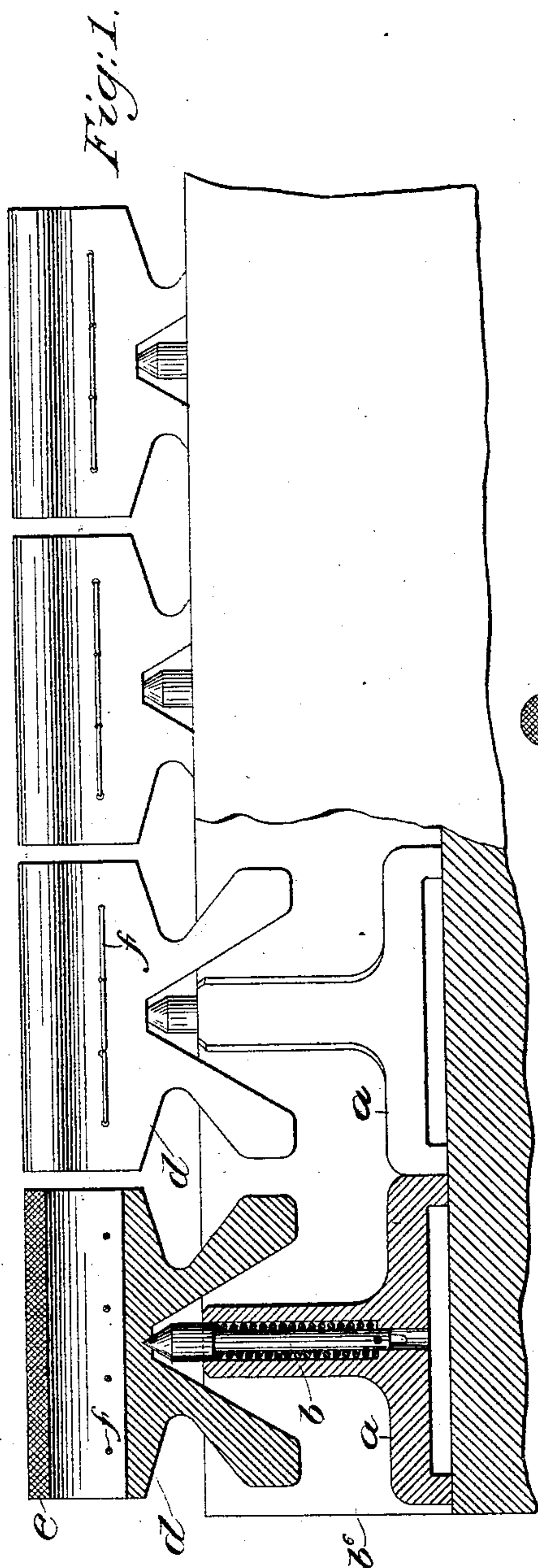


(No Model.)

E. H. TAYLOR.  
WETTER FOR PAPER BOX MACHINES.

No. 453,987.

Patented June 9, 1891.



*Witnesses.*  
*Fred S. Greenleaf*  
*Geo. C. Huntington*

*Inventor.*  
*Eugene H. Taylor*  
*by Lewis & Gregory*  
*attys.*

# UNITED STATES PATENT OFFICE.

EUGENE H. TAYLOR, OF LYNN, MASSACHUSETTS, ASSIGNOR TO THE CUSHMAN  
PAPER BOX MACHINE COMPANY, OF PORTLAND, MAINE.

## WETTER FOR PAPER-BOX MACHINES.

SPECIFICATION forming part of Letters Patent No. 453,987, dated June 9, 1891.

Application filed September 19 1890. Serial No. 365,558. (No model.)

*To all whom it may concern:*

Be it known that I, EUGENE H. TAYLOR, of  
Lynn, county of Essex, State of Massachu-  
setts, have invented an Improvement in Wet-  
ters for Paper-Box Machines, of which the  
following description, in connection with the  
accompanying drawings, is a specification,  
like letters on the drawings representing like  
parts.

This invention is intended as an improve-  
ment on the machine shown in United States  
Patent No. 418,690, dated January 7, 1890, and  
has more especial reference to the wetting de-  
vices or wetters used to wet the paper-board  
on the line in which it is to be bent.

In this invention the construction of the  
wettters and the devices for supporting them  
have been simplified and made to be more  
nearly self-adapting to the thickness of the  
board. Each wetter is composed of a rock-  
ing head grooved for the reception of a moist-  
ure-holding pad, and the head rests on a  
plunger sustained by a spring on a stand  
placed in a holder, a series of said stands lying  
end to end in the said holder, according to  
the size of the box to be made.

Figure 1 in elevation shows a holder par-  
tially broken out to show two stands and wet-  
ter-heads, one of the stands and heads being  
in vertical section; and Fig. 2 is an end view  
of Fig. 1.

The holder *b*<sup>6</sup> is and may be the same as  
designated by like letter in United States Pat-  
ent No. 418,690. This holder receives a se-  
ries of stands *a*, in which are placed plungers  
*b*, sustained by springs *c* and shaped at their  
upper ends to carry the wetter-head *d*, com-

posed of a metal block adapted to rock in the  
direction of its length on the said plunger.  
Each head is grooved to receive a moisture-  
holding pad *e*, preferably a piece of cloth  
doubled and placed in the groove of the said  
head, and preferably held in place by a thread  
or cord *f*, inserted through the head and pad.  
The pad, if injured, may be quickly renewed.  
The springs, one for each wetter, enable it to  
adapt itself vertically to the thickness of the  
paper-board above it, and the point of the  
plunger serves as a fulcrum on which the  
wetter-head is free to rock or tip in the direc-  
tion of its length.

The wetter-head, mounted on the spring-  
sustained plunger, readily adapts itself to the  
thickness of the board by reason of the spring,  
and by its freedom to tip adapts itself to va-  
riation in thickness and to cockled or wavy  
parts of the board.

I claim—

1. The wetter-head having the pad, com-  
bined with the stand and the spring-sup-  
ported plunger therein, substantially as de-  
scribed.

2. The holder, a series of stands therein,  
and spring-sustained plungers, combined with  
a series of rocking heads, each provided with  
a pad, to operate substantially as described.

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

EUGENE H. TAYLOR.

Witnesses:

GEO. W. GREGORY,  
EDWARD F. ALLEN.