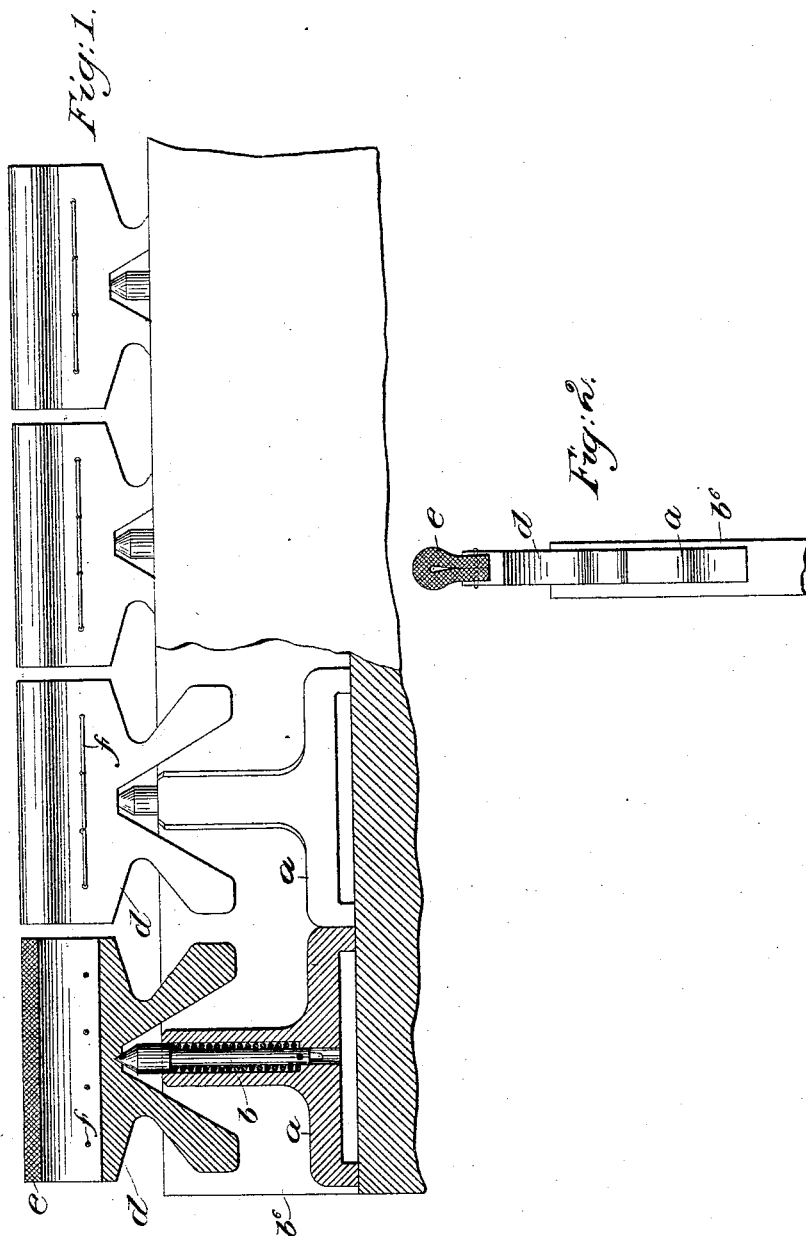


(No Model.)

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
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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*⁶ 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.