

(No Model.)

J. P. HANNAN.

CLOSET SEAT.

No. 246,129.

Patented Aug. 23, 1881.

Fig. 1.

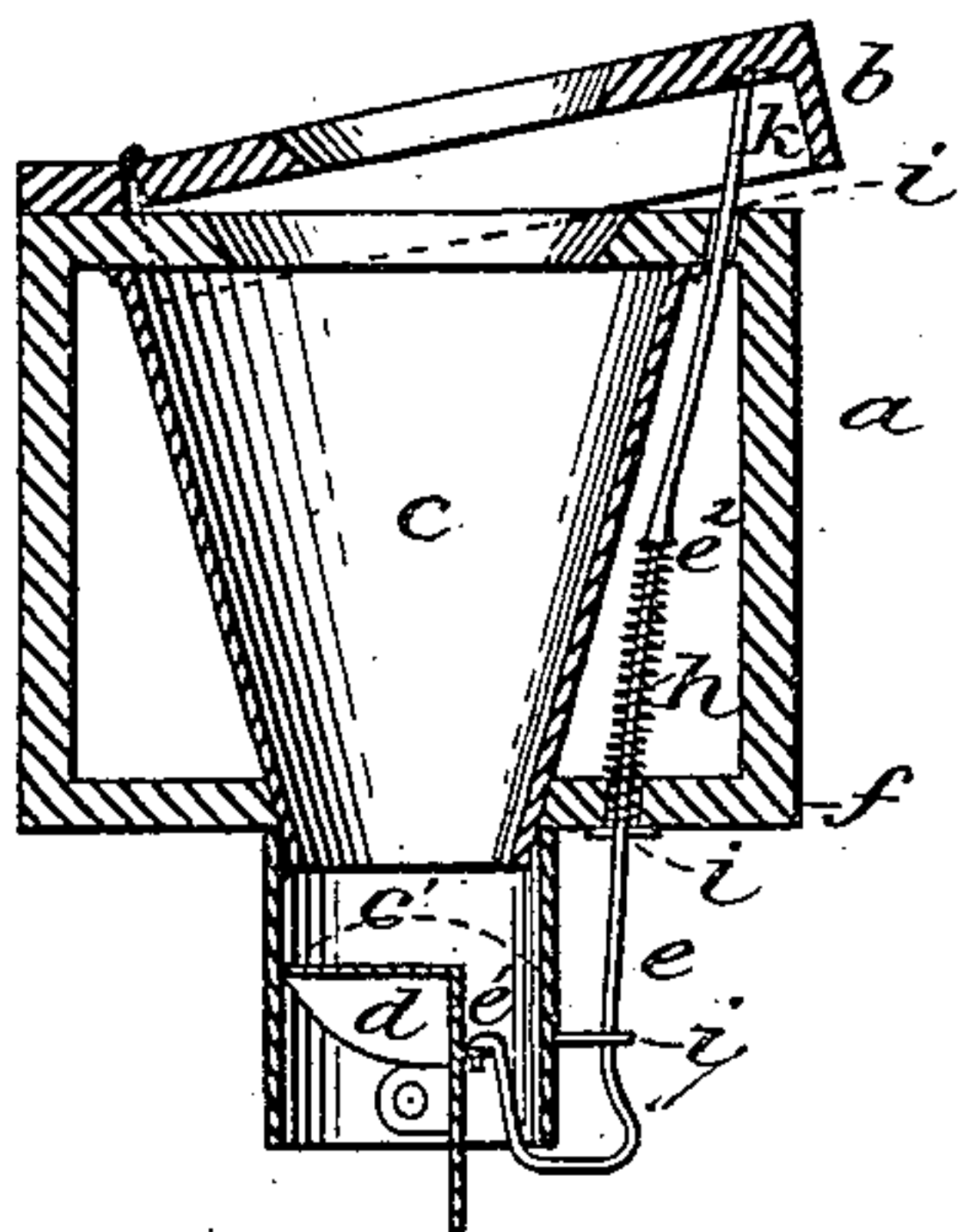


Fig. 2.

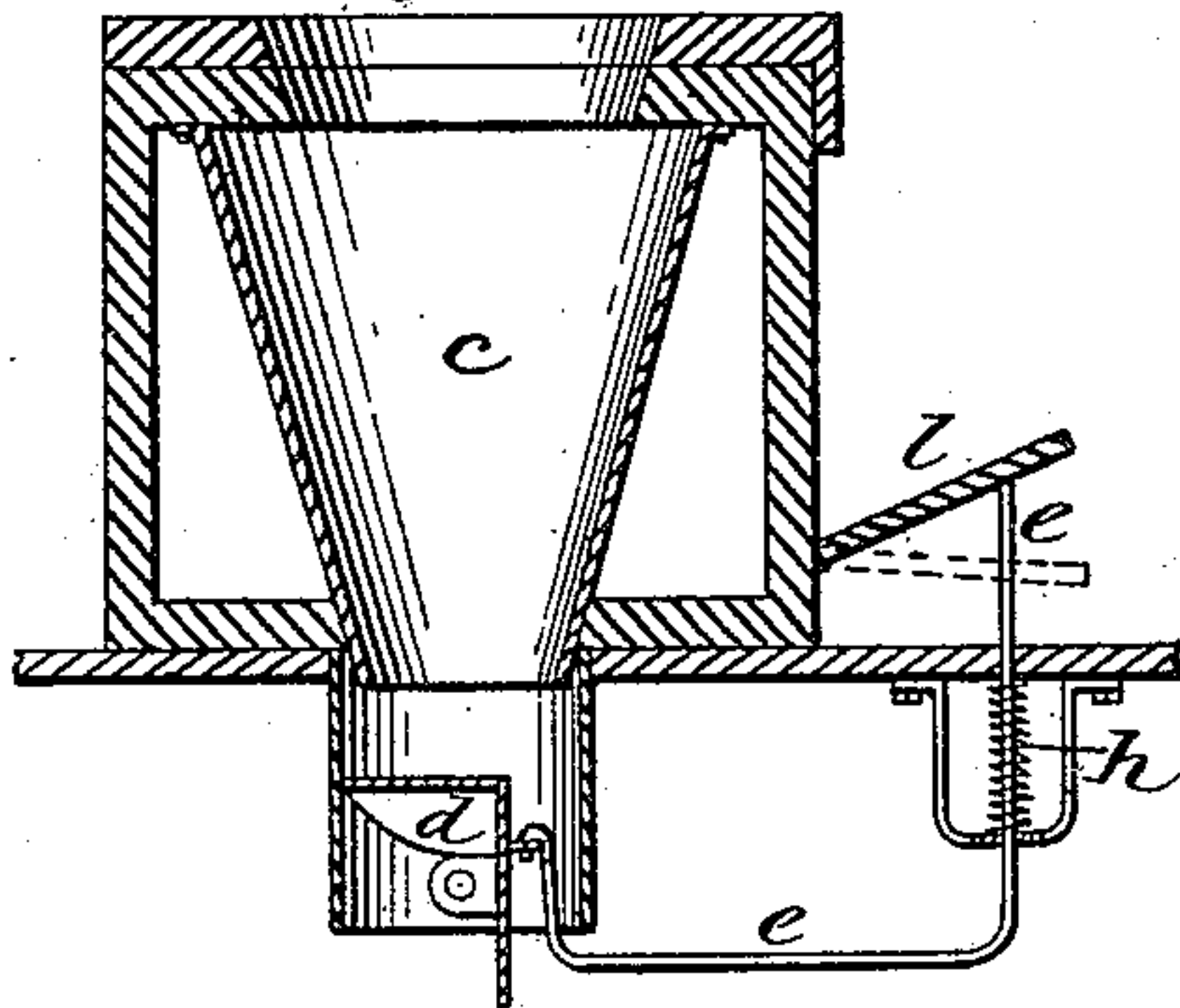
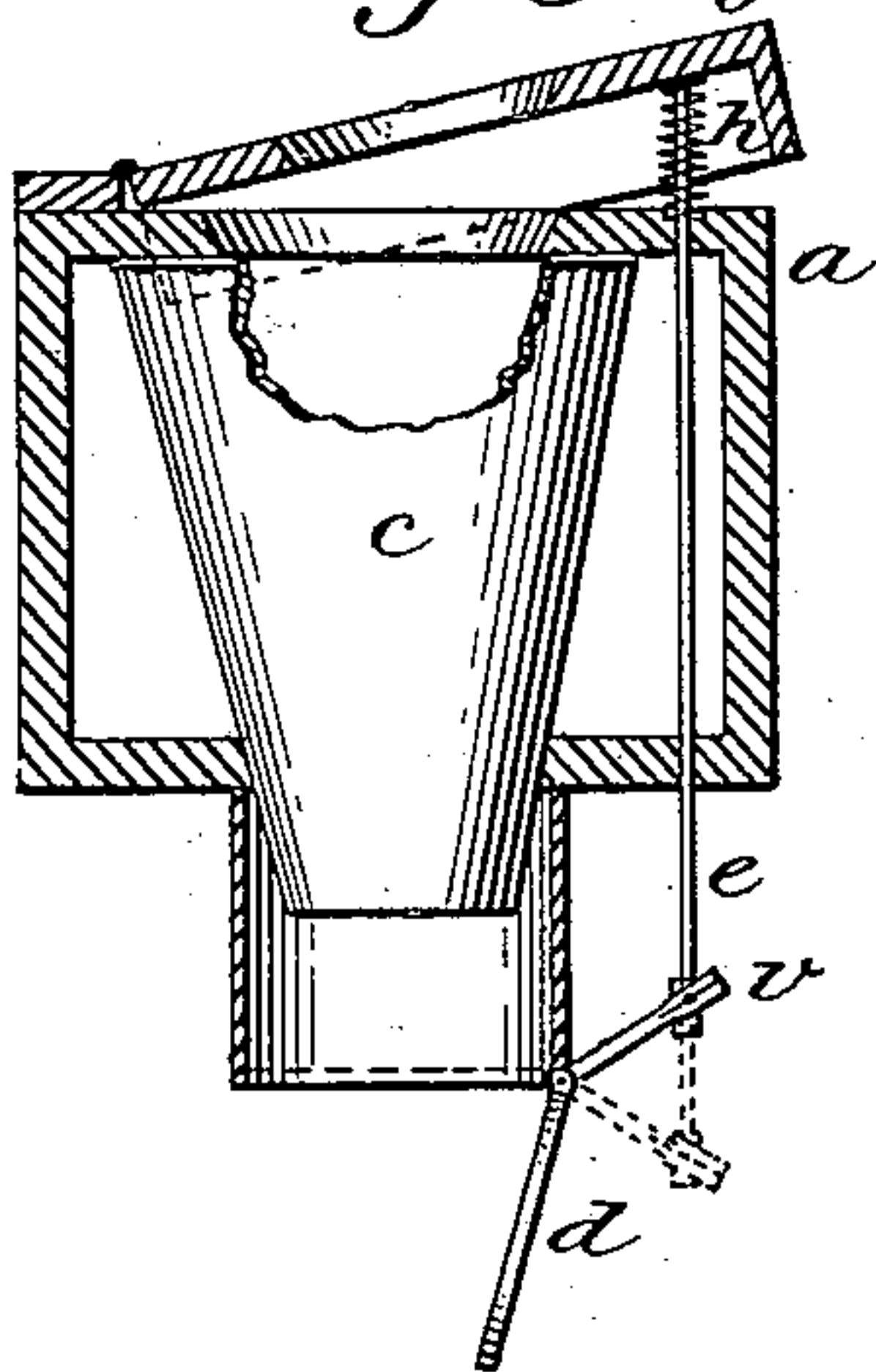


Fig. 3.



Witnesses:

Chas. S. Hyer.

Alex. Scott.

Inventor.

John P. Hannan
by F. W. Ritter, Jr.
Att'y

UNITED STATES PATENT OFFICE.

JOHN P. HANNAN, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO HIMSELF
AND JAMES A. CHAMBERS, OF SAME PLACE.

CLOSET-SEAT.

SPECIFICATION forming part of Letters Patent No. 246,129, dated August 23, 1881.

Application filed March 26, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. HANNAN, of
Pittsburg, in the county of Allegheny and State
of Pennsylvania, have invented a new and use-
ful Improvement in Closet-Seats; and I do
hereby declare the following to be a full, clear,
and exact description thereof.

My invention relates to that class of closet-
seats designed for use on railroad-cars, boats,
and other similar places, and is intended to
protect the user from exposure to cold drafts,
snow, and dust, so objectionable in the use of
an open seat.

To this end it consists in the combination,
with an open-bottomed hopper or bowl and
pivoted seat or foot-rest, of a valve pivoted in
the open bottom of the bowl or hopper, and a
spring-rod for actuating the valve from the
pivoted seat or rest, whereby the valve closes
the bottom of the hopper when the seat or rest
is depressed, all as will hereinafter more fully
appear.

To enable others skilled in the art to make
and use my improvement, I will describe its
construction and operation by reference to the
annexed drawings, in which—

Figure 1 is a vertical section of the same.
Figs. 2 and 3 are modifications of the same.

Like letters of reference indicate like parts
in each.

a represents the closet-seat of a railway-car,
having a pivoted top, *b*, and a bowl, *c*. I pivot
in the cylindrical lower end, *c'*, of the bowl a
valve or bottom, *d*, which is pivotally connect-
ed with the lower end of a rod, *e*. The rod *e*
extends from the pivoted lid *b* down along the
side of the bowl *c*, and has a bend or upward
crook, *e'*, at its lower end, so that the said end
may extend around the edge and up inside of
the lower end of the bowl. It is connected to
the valve *d* at the near side of its axis. Mounted
on the rod, and bearing against the collar *e²* at
one end, and against the floor *f* at the other, is
a spiral spring, *h*. The rod *e* moves in suita-
ble guides, *i*, and is preferably connected to the
lid at *k*.

The operation is apparent. When the weight
of the user comes on the seat the rod will be
depressed and will close the valve *d*, as shown
by dotted lines. When the weight is removed
the spring *h* will raise the rod and tip the valve
d, discharging the contents of the bowl.

Fig. 2 shows a way of operating the valve
by means of a depressible step, *l*. Here the
rod *e* is operated upon by the depression of the
step under the feet of the user.

Fig. 3 shows a simple form. Here the valve
d is on the end of a lever, *v*, pivoted in the side
of the bowl. The rod *e* is pivotally attached
to the lever *v* and top *b*, and the spring *h* is
placed between the box *a* and top *b*. This con-
struction may be used with the depressible
foot-rest.

By the combination of the devices specified
I obtain a simple, durable, and efficient closet,
in which the bottom of the bowl is automati-
cally opened and closed as required, and one
well adapted for use on cars, boats, &c.

I am aware that pivoted soil-pans and valves
have heretofore been operated from the seat
by various intermediate gearing, such as slid-
ing racks and pinions, and do not herein claim
such devices, as they are more expensive and
complicated and less durable and efficient; but,

Having thus described my invention, what
I claim, and desire to secure by Letters Pat-
ent, is—

In a closet, the combination of an open-bot-
tom hopper or bowl, a pivoted valve arranged
in or on the open bottom of the hopper and
adapted to close the same, and a spring-rod
attached at one end to the pivoted valve and
at the other to the hinged operating device,
substantially as and for the purpose specified.

In testimony whereof I have hereunto set my
hand.

JOHN P. HANNAN.

Witnesses:

T. B. KERR,
JAMES H. PORTE.