

No. 701,894.

Patented June 10, 1902.

E. L. KEYES.
CHUTE WAGON.

(Application filed Apr. 12, 1902.)

(No Model.)

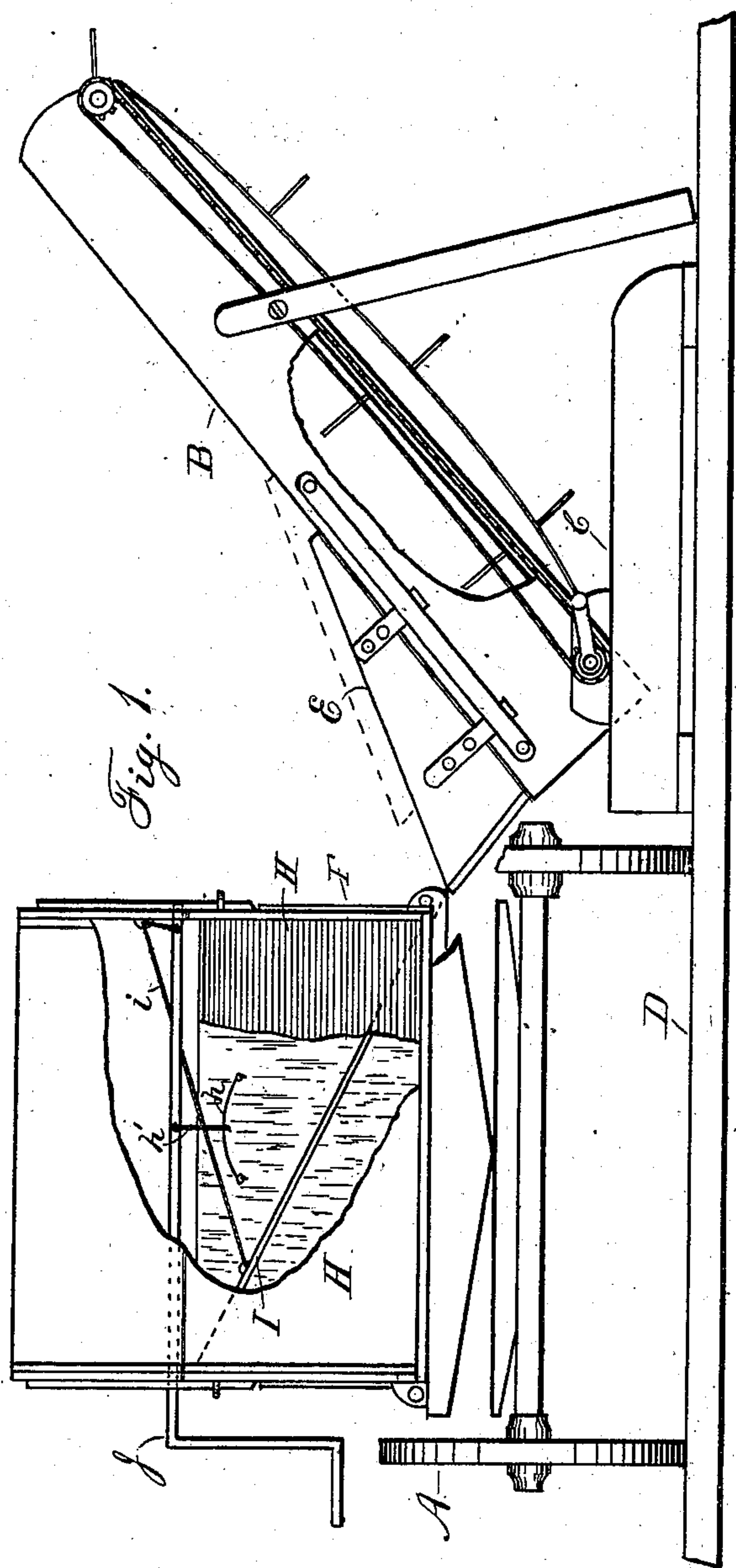


Fig. 1.

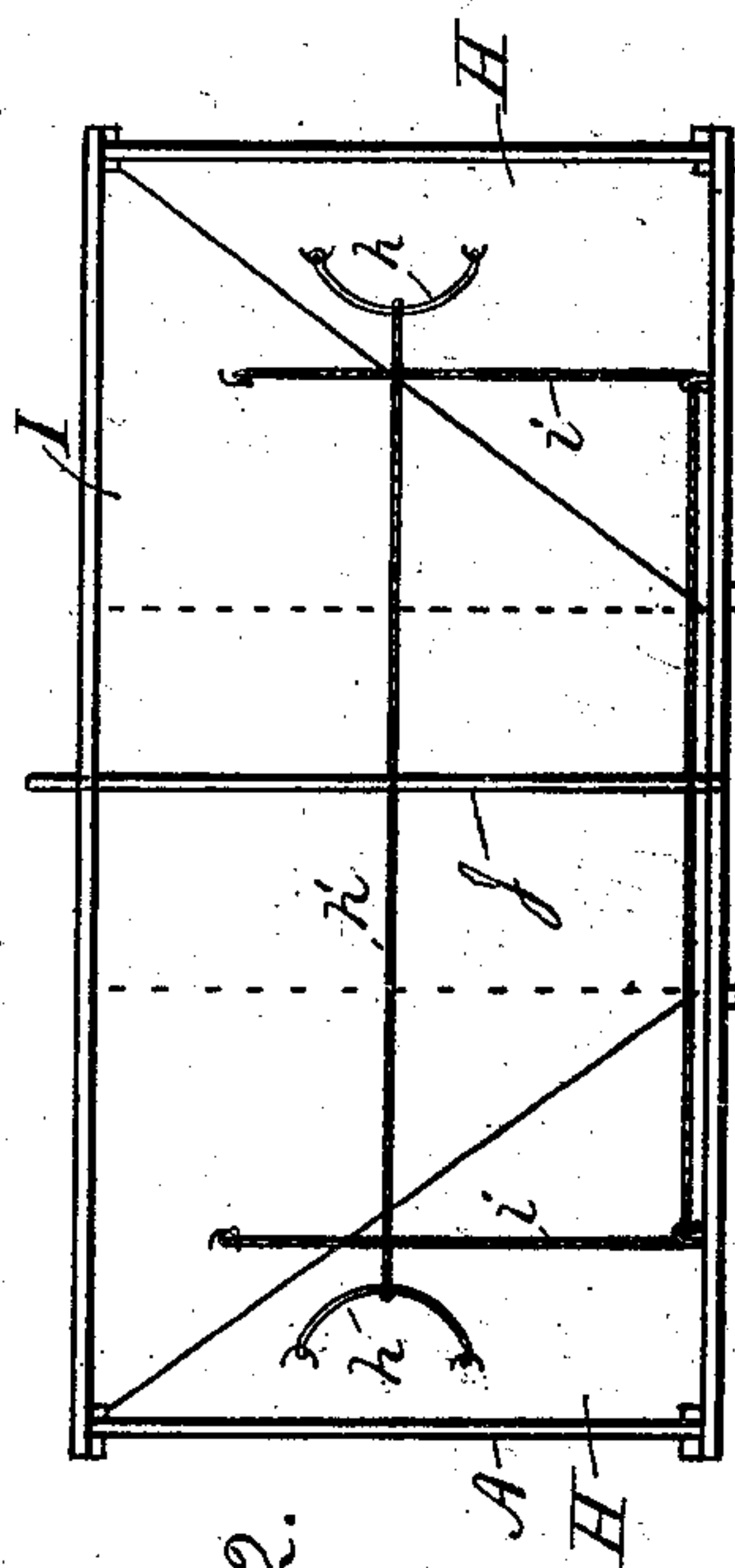


Fig. 2.

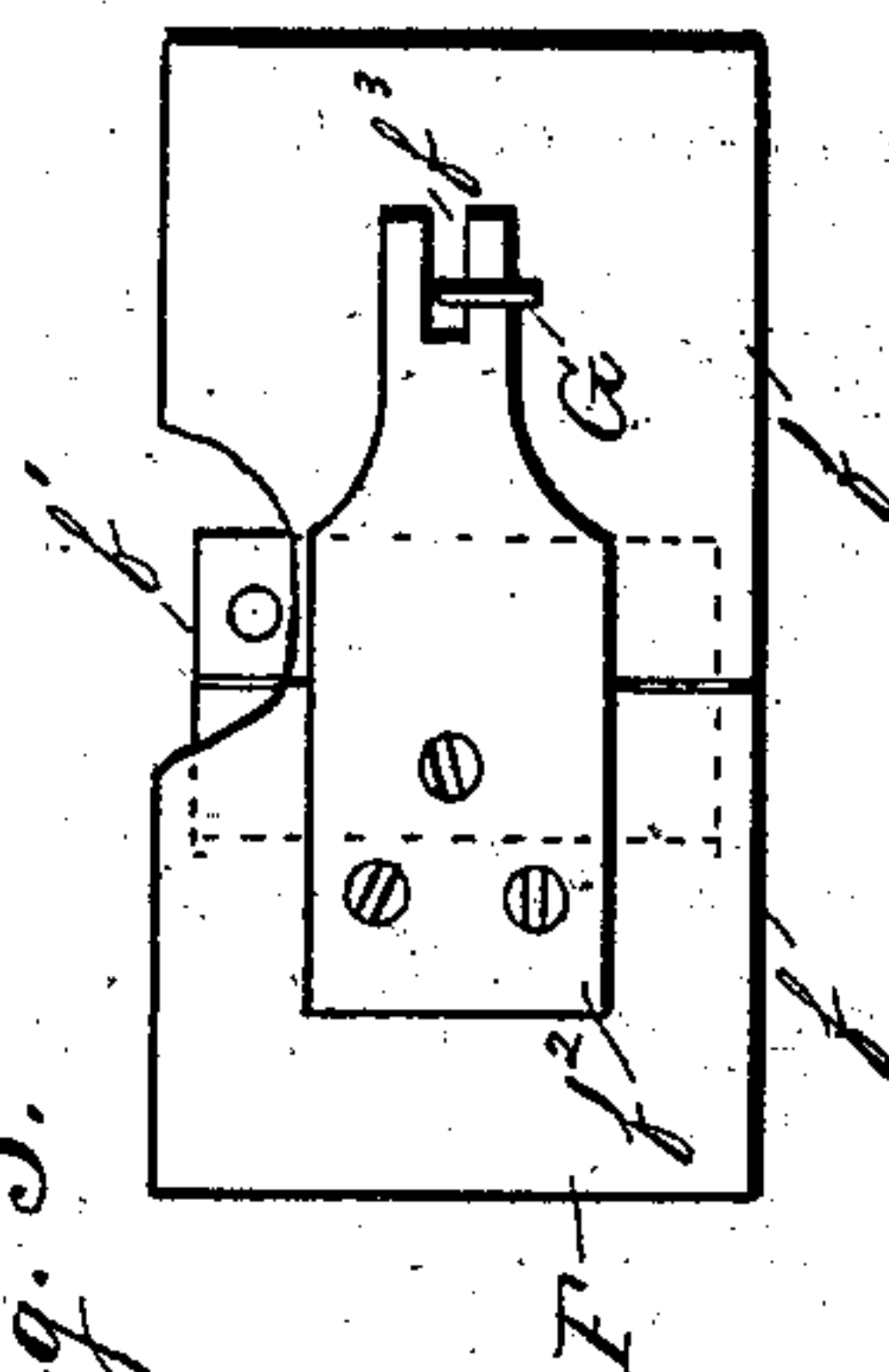


Fig. 3.

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UNITED STATES PATENT OFFICE.

ERASMUS L. KEYES, OF HOPEDALE, ILLINOIS.

CHUTE-WAGON.

SPECIFICATION forming part of Letters Patent No. 701,894, dated June 10, 1902.

Application filed April 12, 1902. Serial No. 102,597. (No model.)

To all whom it may concern:

Be it known that I, ERASMUS L. KEYES, a citizen of the United States, residing at Hope-
dale, in the county of Tazewell and State of
5 Illinois, have invented certain new and use-
ful Improvements in Chute-Wagons; and I do
declare the following to be a full, clear, and
exact description of the invention, such as
will enable others skilled in the art to which
10 it appertains to make and use the same, refer-
ence being had to the accompanying drawings,
and to the letters of reference marked there-
on, which form a part of this specification.

The special object of the invention is to con-
15 struct a grain-wagon so that the grain may
be brought to the elevator loose in the body
of a wagon and conveniently transferred to
the elevator with the least possible labor and
loss of time.

20 The accompanying drawings illustrate the
invention.

In the drawings, Figure 1 is an elevation
giving a general view of the invention. Fig.
2 is a reduced plan of the wagon-bed, show-
25 ing the inclined bottom pieces; and Fig. 3 is
a plan of the door.

In the drawings, A represents my wagon,
and B the elevator, the former having an or-
dinary box-body and the latter being of the
30 usual construction. I pivot the bottom of ele-
vator to a frame C, attached to a platform D,
and provide it with a sliding hopper E. The
latter may thus be kept out of the way until
the wagon has got into position and then slid
35 down, so as to underlap the bottom of the
wagon, directly under the outlet-gate F.
This gate is made of two boards ff , connected
by a hinge f' , and a cross-piece f^2 , which is
fast to one piece f , projects over the other
40 and has at the end an open slot f^3 .

G is an elbow-latch which is swiveled to a
piece f , so that alined with the gate it extends
up through the slot and being turned at a
right angle makes it rigid. The gate is then
45 held tightly in side grooves of the wagon-
body. When it is wanted to take out the
gate, the latch is simply alined with the slot
and the piece f^2 pulled outwardly, when it
will come out easily.

50 For the wagon body or box I make a false

bottom, consisting of the three pieces H, H,
and I; which are loose, inclined toward the
gate, which may be on either or both sides, and
connected by cords with a central crank-
shaft J. I preferably connect the two oppo- 55
sately-inclined boards H H by pivoted bows
 h and cords h' with the crank-shaft and the
side-board I, which may be used on either
side of the wagon, with said shaft by means
of the cords i . Thus it will be seen that the 60
inclination of the pieces H H I may be in-
creased or diminished according to the quan-
tity of wheat in the wagon-body.

The elevator and its appurtenances have
been described, and shown in the drawings 65
for the purpose of illustrating clearly the use
of my wagon in connection therewith.

By my invention it is unnecessary for the
farmer to use bags, baskets, or any other re- 70
ceptacle for his wheat in the course of trans-
portation, as it is simply poured into the
wagon body or box, as it is done from an ele-
vator into the hold of a vessel, thus saving
much valuable time and greatly reducing the
expense of handling grain. 75

Having thus described all that is necessary
to a full understanding of my invention, what
I claim as new, and desire to protect by Letters
Patent, is—

1. The box or body of a grain-wagon hav- 80
ing a gate on one or both sides, two oppositely-
inclined end-boards H H and the inclined
side-board I, said boards being loose and their
inclination changeable as shown and de-
scribed. 85

2. The combination with the three-part
false bottom H H I, of the pivoted bows h ,
cords h' and crank-shaft J, all arranged to
operate as shown and described.

3. A wagon body or box having a three- 90
part false bottom of which the side piece I is
adapted to be used upon either side which
happens to be next the elevator as described.

In testimony whereof I affix my signature
in presence of two witnesses.

ERASMUS L. KEYES.

Witnesses:

J. R. OGDEN,

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