ERNEST SETH PECK, OF CLEVELAND, OHIO, ASSIGNOR TO THE NEWBURGH REDUCTION COMPANY, OF CLEVELAND, OHIO, A CORPORATION OF OHIO.

DRAINER FOR GARBAGE-DIGESTERS.


Application filed September 26, 1901. Serial No. 76,613. (No model.)

To all whom it may concern: Be it known that I, ERNEST SETH PECK, a
citizen of the United States, and a resident of
Cleveland, county of Cuyahoga, and State of
Ohio, have invented a new and useful Im
provement in Drainers for Garbage-Digesters,
of which the following is a specification, the principle of the invention being herein ex
plained and the best mode in which I have
contemplated applying that principle, so as
to distinguish it from other inventions.

This invention relates to draining devices utilized in apparatus for digesting garbage, its object being to provide a structure which
will increase the economy of operation of such
devices.

The invention consists of means hereinafter fully described, and specifically set forth in the claims.

The annexed drawings and the following description set forth in detail certain mech
anism embodying the invention, such dis
closed means constituting but one of various mechanical forms in which the principle of
the invention may be used.

In said annexed drawings, Figure I repre
sents a vertical axial cross-sectional view of
the lower end of a garbage-digester embodying
my invention. Fig. II represents a hori
zontal section taken upon the plane indicated
by the line 2 2, Fig. I. Fig. III represents a
view of a portion of one of the drainer-walls,
such view being made upon an enlarged scale.

The garbage-receptacle A is provided with
the perforated bottom 0, as shown in Fig. I, a
door A' being provided in the side wall of
the receptacle for the removal of solid matter
from the latter. Located centrally and rest
ing upon said bottom is the draining device
B. Said device consists of a plurality of per
forated plates forming radially-located wings
b, which open to communication with each
other and open at the bottom, whereby, if it is
seen, they are open to communication with
the receptacle-bottom. Said described drainer
is constructed so as to form one integral struc
ture, it being preferable to form the upright
walls of separate plates, as shown in Fig. II,
and to bind the whole together by means of
bolts 5 and suitable separators. The top of
the drainer is covered by a plate 6, which
may be secured in any suitable manner, or, as
shown, may be cast integral with the upright
walls. Eyes C are secured to said top plate,
whereby the entire structure may be lifted
from the bottom of the receptacle. As illus
trated in the drawings, the top plate and up
right portion of the side plates are left imper
forate; but the perforations may be ex	ended to the top of the top plate, if required. 60

The end walls b may be also perforated, if re
quired or necessary.

The perforations in the walls of the drainer are made so as to have a greater area upon
the inside than upon the outside, as shown in Figs, II and III, and are preferably made of rectangular form, so as to present as large a perforated area as is possible. Such de
scribed form of the perforations prevents a
large extent the clogging thereof by the

The drainage area which permits of its easy passage, as will be readily under
stood. Such form of perforations may also
be applied, as is shown, to the bottom of the
receptacle.

The drainer having a plurality of per
forated walls located transversely of the bot
tom, as shown, presents a large drainage area, the increasing area facilitating greatly
the draining process. The drainer, as is
shown, rests freely upon the bottom of the
receptacle, so that when it is desired to re
move solid matter from the bottom of the latter through the door A' the entire struc
ture may be lifted from such bottom and an
unobstructed space presented for such re
moval.

Other modes of applying the principle of
my invention may be employed instead of
the one explained, change being made as re
gards the mechanism herein disclosed, pro
vided the means stated by any one of the
following claims or the equivalent of such
stated means be employed.

I therefore particularly point out and dis	inctly claim as my invention—

1. In a drainer for garbage-digesters, the
combination with a garbage-receptacle having a perforated bottom, of a draining structure supported upon the latter and consisting of a plurality of vertical perforated plates forming intercommunicating wings.

2. In a drainer for garbage-digesters, the combination with a garbage-receptacle having a perforated bottom, of a draining structure supported upon the latter and consisting of a plurality of vertical perforated plates forming radially-located intercommunicating compartments open to communication with the receptacle-bottom.

3. In a drainer for garbage-digesters, the combination with a garbage-receptacle having a perforated bottom, of a draining structure supported upon the latter and consisting of a plurality of perforated plates forming radially-located intercommunicating wings, said draining device forming one integral structure and being open to communication with the receptacle-bottom.

Signed by me this 20th day of September, 1901.

ERNEST SETH PECK.

Attest:

D. T. DAVIES,

GEO. WM. SAYWELL.