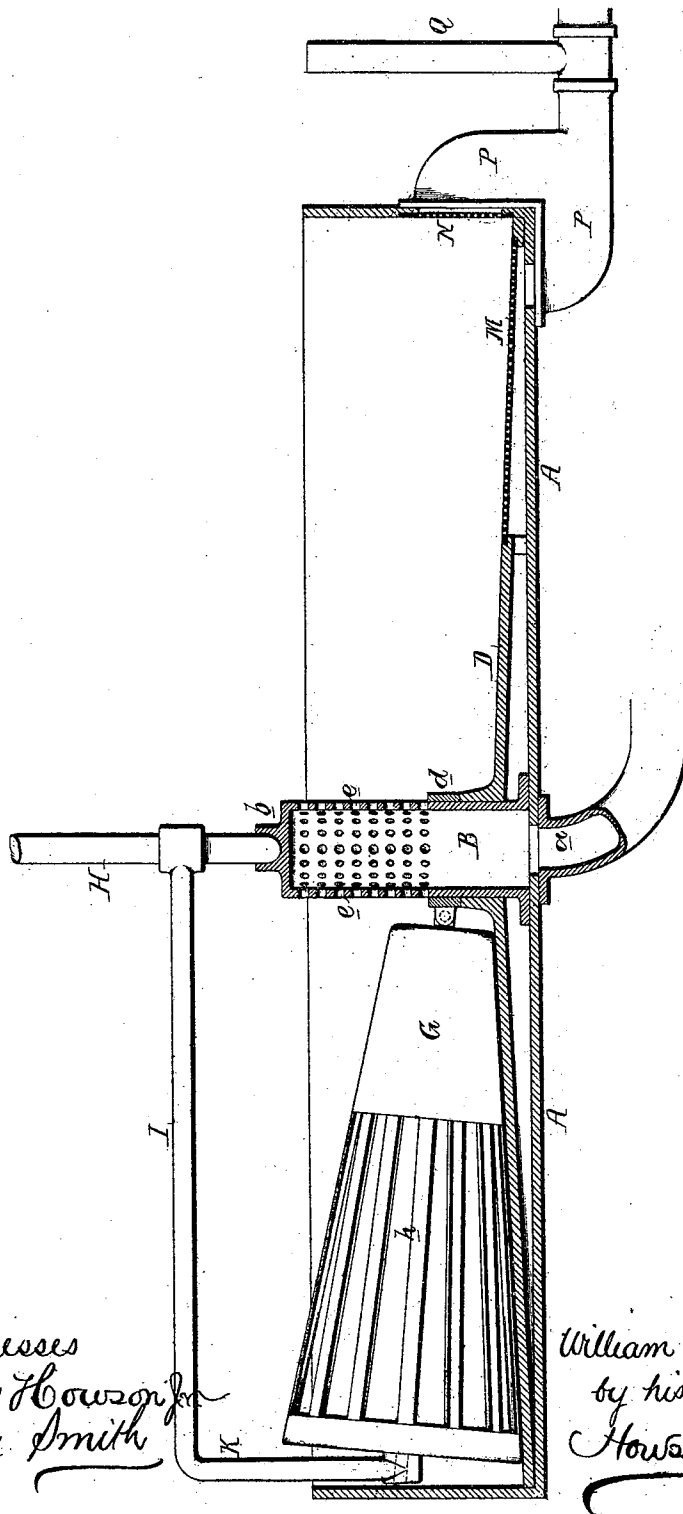


W. ADAMSON.

APPARATUS FOR CLEANING SLAUGHTERED ANIMALS' INTESTINES.

No. 179,755.

Patented July 11, 1876.



Witnesses
Harry Housgriff
Harry Smith

William Adamson
by his Attorneys
Housgriff and Son

UNITED STATES PATENT OFFICE.

WILLIAM ADAMSON, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN APPARATUS FOR CLEANING SLAUGHTERED ANIMALS' INTESTINES.

Specification forming part of Letters Patent No. **179,755**, dated July 11, 1876; application filed April 26, 1876.

To all whom it may concern:

Be it known that I, WILLIAM ADAMSON, of Philadelphia, Pennsylvania, have invented an Apparatus for Cleansing Intestines, of which the following is a specification:

The object of my invention is to rapidly and effectually cleanse intestines, tripe, skins, and other animal matter, and this object I attain in the manner which I will now proceed to describe.

The figure in the accompanying drawing is a vertical section of apparatus which I prefer to use in carrying my invention into effect.

A is a circular tank, and to the bottom of this tank, in the center of the same, is secured a hollow standard, B, communicating below with a water-supply pipe, *a*, and closed at the top, but having lateral perforations *e*, through which the water can flow in all directions. The tank has a false bottom, D, which is slightly inclined downward from the center, and on this bottom the tapering roller G is caused to revolve, both on its own axis and round the interior of the tank, the central shaft of the roller being at the inner end adapted to a swivel-bearing hinged to a collar, *d*, arranged to turn on the central standard. A vertical shaft, H, driven by any suitable system of gearing, has its lower bearing in the top of the central standard, and its upper bearing on any adjoining frame-work, and to this shaft is secured an arm, I, the outer end of which is connected by a rod, K, to the central spindle of the tapering roller G. This roller is made hollow, and is, by preference, composed partly of slats *h*, as shown in the drawing. An opening is made in the false bottom D at one point for the reception of a perforated plate, M, the space below which communicates with a receiver, P; and there is in the side of the tank, near this plate, an opening communicating with the same receiver, and covered by a perforated plate, N.

A pipe, Q, hinged to and communicating with this receiver, forms the outlet of the tank, the depth of water in which is determined by the position in which this pipe is adjusted.

As the tapering roller revolves within the tank, a constant supply of fresh water flows into the same from the central standard, and a constant discharge of foul water takes place through the perforated plates into the receiver P, and thence through the discharge-pipe Q.

The intestines, tripe, skins, or other animal matters which have been thrown into the tank, are subjected to the kneading and agitating operation of the revolving roller, which has the effect of dislodging the excrement and other refuse matter, which is taken up by the water, the latter, holding the matter in suspension, being gradually discharged through the perforated plates M and N into the receiver P, and thence through the pipe Q into any suitable duct or channel.

By the combined action of the roller and constantly-flowing water, the intestines or tripe, or the wool or hair on sheep and calf skins, as well as the skins themselves, are thoroughly cleansed.

I claim as my invention—

1. The combination of the tank A, central perforated standard B, tapering roller G, and receiver P.
2. The combination of the tapering roller with the inclined bottom D of the tank and its perforated outlets.
3. The combination of the tank, the receiver P, and adjustable discharge-pipe Q.

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

WILLIAM ADAMSON.

Witnesses:

HARRY HOWSON, Jr.,
HARRY SMITH.