

UNITED STATES PATENT OFFICE.

EDWIN TWOMLEY, OF COAL VALLEY, ILLINOIS.

IMPROVEMENT IN HOG-CHOLERA COMPOUNDS.

Specification forming part of Letters Patent No. **217,029**, dated July 1, 1879; application filed March 14, 1879.

To all whom it may concern:

Be it known that I, EDWIN TWOMLEY, of the town of Coal Valley, in the county of Rock Island and State of Illinois, have invented or discovered a new and useful medicine or compound for the treatment and prevention of the disease among hogs called "swinepest," and also for the disease known as the "cholera," of which the following is a specification.

The following are the symptoms of said disease called "swinepest:" First, drowsiness, with drooping head; second, biliousness, causing a diseased liver and bowels; (as a rule the bowels are very costive, but in some cases there is the appearance of dysentery;) third, a sore or inflamed throat, causing them to stop eating; fourth, pneumonia. This disease is contagious.

This medicine or compound contains the following ingredients: Gentian, (*Gentiana lutea*,) powdered; golden seal, (*Hydrastis Canadensis*,) powdered; lobelia-seed, (*Lobelia inflata*,) powdered; capsicum, (*Capsicum fastigiatum*,) powdered, compounded in equal parts.

This medicine is manufactured by first reducing each of the above ingredients to a powder, and then taking equal parts of each, thoroughly mixing them together.

For swinepest the dose is from one-fourth ($\frac{1}{4}$) to three-fourths ($\frac{3}{4}$) of a tea-spoonful, and is given in slops, or as a drench, if necessary,

according to the age and condition of the hog. In all cases the medicine or compound should be given in cooked slop or swill, (never give milk or corn while using the medicine,) using either bran, corn-meal, oatmeal, or boiled potatoes, mashed.

The medicine or compound should be given twice each day until the hog is well. After it appears well, continue the use of the medicine for a few days, to prevent a relapse, giving one (1) tea-spoonful of the medicine in a bucket of slop for every six (6) hogs.

When the disease appears among a drove of hogs, give the medicine to all the hogs in proportion of one (1) tea-spoonful for every eight (8) hogs for from three (3) to four (4) days.

For cholera, give one-half ($\frac{1}{2}$) of a tea-spoonful in a drench. If the pain does not abate, give another drench three (3) hours afterward. When it commences to eat, put a little in its slop.

What I claim as my invention or discovery, and desire to secure by Letters Patent, is—

A compound or medicine for the treatment of swinepest and hog-cholera, consisting of gentian, golden seal, lobelia-seed, and capsicum, in the proportions above set forth.

EDWIN TWOMLEY.

Witnesses:

WILLIAM JACKSON,
JACOB STASEROPSKY.