

Another intratracheal spray that has merit is composed of the following,—

Iodine (metallic)	1 gram
Potassium iodide	10 grains
Distilled water	90 CC
Olive oil	200 CC
Oil of chenopodium	50 CC
Oil of turpentine	50 CC

The dose of this spray mixture is 3 to 4 cubic centimeters and it is *injected* into the trachea (wind-pipe) by a *competent veterinarian*.

The following substances can be heated to form smoke or vapor, which when inhaled will be irritant to the lungs and unfavorable to the worms in the air tubes,—sulphur, oil of eucalyptus, creosote, creolin and turpentine. Tar, sulphur and turpentine can be mixed in equal parts for vaporization, it is one of the standard mixtures in use. Such treatment to be of use, must be repeated frequently. A suitable building in which the flock that it is desired to treat can be confined is necessary for the application of the respiratory treatments. A building of suitable size, that is safe from fire danger and tight enough to make a concentration of fume possible should be selected. The animals are confined in the building, then the fume producing substance is carried in and suspended from the ceiling at a safe height, in a metal pail or other safe container, the door is closed and the sheep required to breath the fumes until they are all coughing, they are then released. The time required for treatment is about twenty minutes.

Care should be taken not to expose the sheep too long, as suffocation may result. The weakling sheep of the flock should be separated from the stronger and receive treatment by themselves. The attendant in charge should watch the sheep closely and be prepared to remove any that show distress without delay. The application of the respiratory treatment for Lung Worm is best carried out under the supervision of a veterinary surgeon. Drugs that have an antiseptic action when excreted in part through the lungs may be given as a drench. Such drugs are as follows,— Terebene, Oil of Garlic, Eucalyptus, Creosote, and Creolin. The dose of Terebene for a lamb suffering with parasitic bronchitis is one dram, given twice a day in a pint of milk. A combination of Terebene and Tincture of Camphor, one dram of each, in a pint of milk daily can also be used. The following formula has proven useful in cases of parasitic pneumonia and bronchitis.

Cod Liver oil	20 ounces
Terebene	2 ounces
Oil of eucalyptus	2 ounces

The dose for a large lamb is one fluid ounce of the mixture twice a day. Mix with a pint of milk and give as a drench.