

and W. G. Spence

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Weeds Versus Wheat. Ragweed removes from the soil 14.6 pounds of nitrogen and three pounds of phosphoric acid for each ton of weeds, while the same weight of wheat in grain and straw removes only 12.2 pounds of nitrogen and 2.8 pounds of phosphoric acid. One ton of such wheat is equivalent to a 13-bushel crop.

Warm water, green feed and hot mashes boost the egg production.

DRAIN THE HILLSIDES

to Many Farms.

Tiling, Open Ditching and Terracing Recommended—How to Plan and Do the Work—Why an Orchard

(Contributed by Ontario Department of Agriculture, Toronto.)

The erosion of hillsides and the flooding of the land below by the eroded material has long been a worry and an economical loss to worry and an economical loss to many farmers in hilly and moun-tainous sections. This can frequent-ly be prevented, and the method em-ployed depends on the conditions existing, such as the nature of the soil: light or heavy, the steepness of the

light or heavy, the steepness of the soll; light or heavy, the steepness of the slope, and the type of agriculture practiced; pasture or tilled crops. The Value of "Sheep-Drains." We thillsides used as sheep pas-tures may be much improved by what are sometimes called "sheep-drains." These are merely shallow open ditches about 30 inches wide on top, 9 inches wide on the bottom, and 15 inches deep for removing the sur-face water. They are dug slanting around the slope to intercept the flowing water and carry it in a definite channel to a suitable outlet at the base of the hill. The removed lower side to form a sort of embank-ment to the drain. The grade of the ditch should be thrown out on the lower side to form a sort of embank-ment to the drain. The grade of the ditch should not be so sloep as to give the water sufficient force to de-stoy the drain by either washing away the banks or digging the drain isself deeper, and thus making ut dangerous for the sheep and lambs. Sub-drains are sometimes necessary. Terracing and Draining.

used, two men can spray a herd of forty cows in ten minutes. This mix-ture is not perfect and does not keep all the flies away and, furthermore, it leaves the coat rather harsh and causes dust to adhere; however, it is very beneficial and practical. Shelter from the hot sun of sum-mer must be provided if efficient and economical production is to be expected.

expected.