

Correspondence.

THE MANURE QUESTION.

ED. FARMER: If there is a question fraught with deep interest to the people of this valley, it is the manure question.

It has been said that rich land needs no manure. Is this so? Let us see: When a crop, it matters not what kind, has been grown on, and taken off, a piece of land, it has lost just as much nutritious substance as formed the straw, chaff, blades, grains of that crop.

Now, the question comes up, how are we to know just how much manure, and of what kinds, to apply on a given crop, and at the same time know just what kinds, and how much the land needs,—taking into consideration the nature and adaptation of the soil, for the given crop?

If this winter does not teach the farmers some lessons, certainly they will be hard to learn. In the matter of shelter for stock and saving feed particularly, Oregon has ceased to be the stock raiser's paradise, when all that would be necessary would be to increase the number of animals to increase the number of dollars.

food gone—lost to the land. The horns, bones, hair, offal, beef, tallow, when sold, is so much lost—extracted from our pastures. If we sell the butter and cheese from twenty cows, during the grass-growing season, for each cow, there is taken from the soil, in the form of the phosphate of lime alone, fifty lbs; thus, 20 multiplied by 50, equals 1,000 lbs. of bone-forming material lost in the butter and cheese from these cows.

The great doctrine of the correlation of forces, or the doctrine of equivalents, is one on which hangs all that is true, and important. When a farmer sells one hundred pounds of food to a consumer, to keep up a just equipoise in the nature of things, he should require of that consumer, the excrementitious matter of the food, in return, as an equivalent, to be applied to the land.

PHILO-AGRICOLA. Salem, Oregon, Feb. 19, 1872.

For the Farmer. CONVERSATIONS.

William Harman of Wasco county, has been appointed and commissioned State Deputy G. W. C. T. and State Lecturer of the Good Templars.

These Bitters are prepared from the most choice and wholesome herbs and roots, and have given universal satisfaction wherever tried. Physicians and patients recommend them for the cure of all diseases of the blood and liver, and irregularities of the digestive organs.

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important. Since the fires set by the Indians have ceased to destroy the undergrowth, thousands of acres of land have become worthless, and to reclaim these lands it will cost more than to buy a prairie farm, but these lands are owned and men are forced to pay taxes upon them; hence the necessity of clearing them in some permanent way.

HARD WORDS.—The Oakland (Cal.) News calls the "California Immigrant Association" a begging fraud, and says the Institution is "humming the Legislature for \$30,000 to encourage immigration; that is, to misrepresent the actual condition of things here and swindle immigrants into coming here to become the peons and tenants at will of secondarily land-grabbers."

A LITTLE dissolved alum is very effective in clearing muddy water. If thrown into a tub of soap-suds, the soap, curdled and accompanied by the muddy particles, sinks to the bottom, leaving the water clear and pure.

THE monk who was recently tried in Rome for murder, has been found guilty, and sentenced to twenty years' hard labor. This is the first instance of a monk's being tried by an ordinary criminal court.

How many of our lady readers ever dreamed that we send to Great Britain annually, fifteen million dollars in gold for the single article of spool cotton?

William Harman of Wasco county, has been appointed and commissioned State Deputy G. W. C. T. and State Lecturer of the Good Templars.

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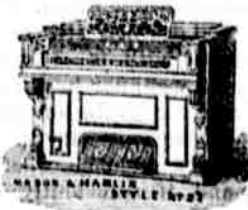
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Seed Wheat.

2,000 BUSHELS CHOICE WHITE CHILL CLUB SPRING WHEAT for sale at my residence, six miles south of Albany. At \$1.50 per Bushel. Jan 20-2m. MARTIN LUPER.

SOMETHING NEW ON THE PACIFIC COAST!

BOSWELL'S

Standard Fruit Dryer,



Iron Heater, Bread Raiser, Dairy Heater, &c., COMBINED!

POSITIVELY THE MOST PROFITABLE and useful invention of the age, combining cheapness, durability and economy, and can be applied to a greater variety of purposes than any other machine extant.

As a Fruit Dryer,

It stands unrivaled, and is acknowledged by scientific men to contain the only true principles for drying fruit, and is so simple in construction that a mere child at once understands and operates it.

As a Room Heater,

The Prismatic Cylinder concentrates the heat, lightens the carbon, and produces more heat than any other known device, which, being distributed by the perforated shield in double currents of hot air, will heat two, three, or even four rooms (if properly connected) with less fuel than any one of the same rooms can be heated to the same temperature by any stove or heating apparatus in use.

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IT HAS NO COMPETITOR, and wherever known is hailed with delight by the ladies, as the greatest labor-saving invention of the age.

In Lumber Drying,

The principles of this invention, as applied, are invaluable and without competition.

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Will find it greatly to their advantage to see this machine and investigate its properties.

We could publish columns of testimonials from the best citizens of Ohio, Indiana, Illinois, Michigan, Iowa, and other States, of its superiority over any invention of the age, but as the machine must stand on its own MERITS, it must be seen in operation to be fully appreciated.

FARMERS, BRING YOUR FAMILIES TO SEE THIS

Boswell Heater and Dryer.

It is exactly what you want and need, regardless of any dry-house or kiln you may now have. We do not ask you to buy a complication of patent rights, merely from an examination of a model; but come and see the full-sized machine perform its work as represented.

Seven claims are secured by letters patent, which places it beyond the reach of a rival.

The subscriber, having purchased the exclusive right for the State of Oregon, is now manufacturing them for sale, on State Street, in Salem, where a variety of styles and a machine in operation can be seen at any time.

Willamette University, SALEM, OREGON.

THE OLDEST AND LARGEST INCORPORATED School in Oregon. Classical, Commercial, Normal, and Scientific Courses of Study. For full information, address the President, T. M. GATCHE, or C. N. TERRY, Secretary Board of Trustees, Sep. 8, 1871.

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For Diseases of the Throat and Lungs, such as Coughs, Colds, Whooping Cough, Bronchitis, Asthma and Consumption.



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PREPARED BY Dr. J. C. AYER & Co., Lowell, Mass., Practical and Analytical Chemists. And sold by Druggists all around the world. J. W. SMITH & DAVIS, Wholesale Agents, Portland, Dec 23-3m.