

College Education
Makes Good Farmers.

(Continued from page one.)

ity graduates, it should be charged against them as individuals—not against the fact that they are college graduates.

The employee on a farm who would play the mandolin or rest in the shade during the hours he should be at work would watch the clock and "soldier" on his job wherever he might be—even though it were in mahogany furnished offices. Undoubtedly such college men "cut" classes when students and use a "pony" to assist them in their translations. They are simply 50-cent boys into which hopeful parents are trying to cram a \$5000 education. It isn't the fault of the education if it can't be done.

The number of college men who are making a success of farming is much larger than the laymen think. In fact, the agricultural districts of the richest portions of our country are filled with college men.

Our neighbor, Hood River, Ore., distinctly a fruit growing community, has more college men in proportion to the total number of inhabitants than any other community in this country.

It was a university man who discovered the fact that Texas could grow the famous Bermuda onion—a fact that state celebrated within the past few days.

The greatest stretches of Northwest Canada are teeming with successful college men.

If New York farmers prefer foreigners to college men, something is wrong with the system of New York farming. Maybe they want peons instead of help.

Hints for Making Hot Beds.

(Continued from page one.)

ing plants, and on bright sunny afternoons there is a danger of overheating especially when the plants are small.

Hot beds are made of various sizes, according to the needs of the maker. However, it is usually desirable to make them more than 4 or 5 feet wide, regulating the capacity by the length.

Frames may be made out of either one or two inch material, but the heavier material is recommended when permanency is desired. The north side should be 6 inches higher than the south thus giving a slope toward the sun. This can easily be accomplished by using 12 inch material for the back and 6 inch for the front. The frame need not be nailed very securely, as it can then be taken apart easily when not in use.

The pit is dug the same size as the inside of the frame, or it may be made the same size as the frame and boarded up on the inside, but this is not necessary and adds to the expense. The pit should be dug about 2 feet deep, putting in 18 or 20 inches of manure and 4 to 6 inches of soil. In warmer climates or later in the season 10 or 12 inches of manure will be sufficient.

Fresh horse manure is most satisfactory for use in hot beds. Manure from horses fed on grain is best, producing the largest amount of heat, but should not be too dense and gives best results, when fixed with about one third, as much straw or litter.

The manure should be fermenting uniformly before being put into the pit. This is accomplished by placing in a pile and re-stacking it several times at intervals of one or two days, placing the exterior on the interior of the new pile.

In putting the manure into the pit it is advisable to put it in, in layers of 5 or 6 inches, each to be packed before another is put in. It is especially important to pack the manure well around the edges and keep the center a little higher as the manure will settle somewhat—the most of the center. The bed is then ready for the soil which should be from 4 to 6 inches in depth, depending upon the crops to be grown, and should be quite rich and contain large amounts of sand and humus. The outside of the frame should be banked with soil or manure, and a bed thus prepared should give heat for 6 or 7 weeks.

The seeds should not be planted at once as the fermentation of the manure may be very vigorous for a few days producing too high a heat, and then the delay gives the weed seeds a chance to germinate, which is quite desirable. Rake and stir the soil before sowing. Sow in rows 4 to 6 inches apart.

Glass is very desirable but not absolutely necessary for covering hot beds. Unbleached muslin will answer the purpose. Hotbeds need watering occasionally and should be covered up on cold nights. On bright days the cover should be removed, care being taken not to leave it off too late in the evening.

A hot bed prepared in this way is inexpensive and should be found on every farm and may also be made in every house yard. The season for vegetables is thus lengthened a few months, and the vegetables are available early in the spring—just when they always taste best. Lettuce and radishes are the favorite hot-bed crops but many others can easily be grown.

Cough Medicine for Children.

Too much care cannot be used in selecting a cough medicine for children. It should be pleasant to take, contain no harmful substance and be most effective. Chamberlain's Cough Remedy meets these requirements and is a favorite with the mothers of young children everywhere. For sale by all dealers.

Industrial Contest for Oregon Boys and Girls.

By N. C. MARR

Our last article told about the five cash prizes—\$100, \$75, \$50, and \$40, to be given to the counties that makes the best showing in the children's contest.

In any county not entering this competition, any and all one room schools may enter the district competition. The first prize in this is a Victor Phonograph and twelve records, given by the publishers of the Rural Spirit. This would be a fine thing for entertainment in the school and a great aid in making the school a social center.

The second prize is an eighteen inch library globe given by the Northwest Furniture Company, a useful article in any school.

The third prize is a school flag given by the publisher of the Pacific Northwest.

The fourth prize, another school flag, given by A. L. Mills, President of the First National Bank, Portland, and the fifth prize is a Babcock Tester, given by Monroe and Crissel.

Every school should show its patriotism by floating the stars and stripes. A Babcock tester should be in every school. Its use is one of the best ways to teach percentage, and it will encourage an interest in dairying.

This industrial contest is one in which every girl and boy attending school can take a part. While the pupils are thus advertising their school and county and increasing their pride of home and patriotism, they are also learning to do something useful—something by which they can earn a living and can also make of themselves more valuable citizens.

The prize list will be off the press in a few days. In the meantime planning to do all you can to help win one of those fine district or county prizes. Your articles can compete in the individual classes, also, even though they are a part of a county or district exhibit.

LATEST DEVELOPMENT LEAGUE NOTES

(From Our Portland Correspondent)

Since last August not a hog has been imported into this state. This is the encouraging news made public last week by C. C. Colt head of the Union Meat Co., Portland, who says Oregon farmers are going extensively into the business of livestock raising.

During 1911, more than half the total number of hogs received at the Portland market came from Nebraska. Last year, this number decreased to a remarkable extent and now it appears that Oregon will not need to import any more pork in order to feed its own people. On the other hand, we may soon be in a position to make substantial shipments outside the state.

Mr. Colt submitted figures showing that the livestock industry in Oregon is five times as large as it was in 1905.

There is no use of our "beating around the bush." We might as well cut it at its root. We want you to try Chamberlain's Cough Remedy the next time you have a cough or cold. There is no reason so far as we can see why you should not do so. This preparation by its remarkable cures has gained a world wide reputation, and people everywhere speak of it in the highest terms of praise. It is for sale by all dealers.

Always ready for job printing

greater than fruit growing and greater than wheat, wool and dairy products combined.

Dates for the Pendleton Round-Up have been fixed definitely for September 11-13. The former successes of this typically western show are expected to be repeated, or even outdone, since greater preparations are being made for the coming event than ever before.

The program is being made up for the conference on Human Life, its Waste and Conservation at Reed College, May 9-10-11. It includes speakers and scientists of note. Many exhibits will be installed by societies co-operating in the work of the conference and other states will send many delegates as well as their best authorities on the subject of human welfare.

Found a Cure for Rheumatism

"I suffered with rheumatism for two years and could not get my right hand to my mouth for that length of time," writes Lee L. Chapman, Mapleton, Iowa. "I suffered terrible pain so I could not sleep or lie still at night. Five years ago I began using Chamberlain's Liniment and in two months I was well and have not suffered with rheumatism since." For sale by all dealers.

NOTICE FOR PUBLICATION

UNITED STATES LAND OFFICE, BURNS, OREGON, March 14, 1912.

Notice is hereby given that Walter C. Bolford, of Burns, Oregon, who on April 12, 1906, made Homestead Entry No. 20144, Serial No. 20144, for 1/2 Sec. 12, T. 20 S., R. 35 E., and 1/2 Sec. 13, T. 20 S., R. 35 E., and 1/2 Sec. 14, T. 20 S., R. 35 E., and 1/2 Sec. 15, T. 20 S., R. 35 E., and 1/2 Sec. 16, T. 20 S., R. 35 E., and 1/2 Sec. 17, T. 20 S., R. 35 E., and 1/2 Sec. 18, T. 20 S., R. 35 E., and 1/2 Sec. 19, T. 20 S., R. 35 E., and 1/2 Sec. 20, T. 20 S., R. 35 E., and 1/2 Sec. 21, T. 20 S., R. 35 E., and 1/2 Sec. 22, T. 20 S., R. 35 E., and 1/2 Sec. 23, T. 20 S., R. 35 E., and 1/2 Sec. 24, T. 20 S., R. 35 E., and 1/2 Sec. 25, T. 20 S., R. 35 E., and 1/2 Sec. 26, T. 20 S., R. 35 E., and 1/2 Sec. 27, T. 20 S., R. 35 E., and 1/2 Sec. 28, T. 20 S., R. 35 E., and 1/2 Sec. 29, T. 20 S., R. 35 E., and 1/2 Sec. 30, T. 20 S., R. 35 E., and 1/2 Sec. 31, T. 20 S., R. 35 E., and 1/2 Sec. 32, T. 20 S., R. 35 E., and 1/2 Sec. 33, T. 20 S., R. 35 E., and 1/2 Sec. 34, T. 20 S., R. 35 E., and 1/2 Sec. 35, T. 20 S., R. 35 E., and 1/2 Sec. 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20 S., R. 35 E., and 1/2 Sec. 328, T. 20 S., R. 35 E., and 1/2 Sec. 329, T. 20 S., R. 35 E., and 1/2 Sec. 330, T. 20 S., R. 35 E., and 1/2 Sec. 331, T. 20 S., R. 35 E., and 1/2 Sec. 332, T. 20 S., R. 35 E., and 1/2 Sec. 333, T. 20 S., R. 35 E., and 1/2 Sec. 334, T. 20 S., R. 35 E., and 1/2 Sec. 335, T. 20 S., R. 35 E., and 1/2 Sec. 336, T. 20 S., R. 35 E., and 1/2 Sec. 337, T. 20 S., R. 35 E., and 1/2 Sec. 338, T. 20 S., R. 35 E., and 1/2 Sec. 339, T. 20 S., R. 35 E., and 1/2 Sec. 340, T. 20 S., R. 35 E., and 1/2 Sec. 341, T. 20 S., R. 35 E., and 1/2 Sec. 342, T. 20 S., R. 35 E., and 1/2 Sec. 343, T. 20 S., R. 35 E., and 1/2 Sec. 344, T. 20 S., R. 35 E., and 1/2 Sec. 345, T. 20 S., R. 35 E., and 1/2 Sec. 346, T. 20 S., R. 35 E., and 1/2 Sec. 347, T. 20 S., R. 35 E., and 1/2 Sec. 348, T. 20 S., R. 35 E., and 1/2 Sec. 349, T. 20 S., R. 35 E., and 1/2 Sec. 350, T. 20 S., R. 35 E., and 1/2 Sec. 351, T. 20 S., R. 35 E., and 1/2 Sec. 352, T. 20 S., R. 35 E., and