

PLANT THAT ACCOMPANIES MAN.

Various Forms of Clover Most Valuable Feed Crop.

(By Crittenden Marriott.)

Clover in its various forms is the great grazing and fodder crop of the world. Whether it masquerades as the clover of our own pastures, the alfalfa of the West, the shamrock of Ireland, the basil of the Arabian Knights, the berseem of Egypt, or under another of its various aliases, in some form or other, some species of it accompanies man wherever he goes with his cattle and his horses.

Of late years the Agricultural Department has been scouring the world for plants which might prosper under American conditions and might prove more valuable, in some parts of the country at least, than anything of the kind already growing there. Its efforts have resulted in the acclimatization of many valuable grasses, among the most profitable of which may be ranked berseem, the great forage crop of the rich Nile valley, which bids fair within a few years to become as well and widely known in the United States as alfalfa has now become.

There are few plants that play so great a part in any country as does berseem in Egypt. It is the first crop planted after reclaiming the salt lands; it furnishes fodder for all work animals in the big towns and grazing material for all the beef and milch cattle in the country; it supplies the camels and feeds the donkeys; even the peasantry carry bunches of it in their hands and seem to enjoy its sharp taste. Every coachman has a bunch or bag of it with which to feed his horses at noon; every drayman carries it on his load for his bullocks. In the early morning all the avenues leading to Cairo are thronged by long lines of camels nearly hidden beneath its green load.

Nor is this all. The culture of berseem kills out weeds, fertilizes the soil, and reclaims worthless lands. On our alkali plains in the West is should prove of tremendous value.

Everybody has heard of the great fertility of the Nile valley—how the river annually overflows and when it recedes leaves a layer of rich alluvium from which spring crops of unsurpassed fertility. It will surprise most people to learn that this soil is only valuable for certain crops; that it will not grow corn or sugar cane, for instance, with any success.

This is because it is almost destitute of nitrogen, the element supplied to our soil by stable manure. In Egypt, as far back as history goes, all this stable manure has been dried in cakes and used for fuel until today the soil would have been altogether exhausted had it not been for berseem.

For berseem, like all the great bean family, possesses the peculiar power of extracting nitrogen from the air and storing it in knots on its roots. When cut, or, better still, when plowed under, these knots remain in the ground to decay and leave their nitrogen there, supplying the lack of manure. In Egypt, the poorest soils—soils much like those of our alkali plains—raise a crop of berseem every winter and crop of cotton every summer, and improve in fertility all the time without the addition of any fertilizers at all.

SCRAPS OF NEWS.

Kangaroo farming is to become an established institution in Australia.

Mme. Zolo has presented her husband's manuscripts to the National Library of France.

California produces more dollars' worth of oranges than gold—over \$18,000,000 and gold \$17,000,000.

A rumor is in circulation in naval circles, and it is believed to be well founded, that the Admiralty has decided to abolish the 4.7-inch and 6-inch guns in the navy and substitute for them the 9-inch guns.

About 60,000 water wheels are used for manufacturing in the United States, yielding 1,300,000 horse-power, or one-quarter to one-third of the whole power used. Of this total 250,000 horse-power is used by the 2000 mills in New England.

The available farm lands in Indian Territory is estimated at 15,000,000 acres. These figures are taken from the records of the Dawes Commission. Of this 15 per cent. was in cultivation last year. There will be an increase of at least 5 per cent. this year.

Mining is the subject of considerable enterprise in Bolivia. The lode districts are situated, as a rule on the higher mountainous parts of the elevated Bolivian plateaus at an average altitude of about 13,000 feet above sea level. At such altitudes the climate is bracing and healthy.

According to a report of the German Consul at Kief, an American firm which

sells annually more than \$15,000 worth of agricultural implements in Omsk, has decided to erect a technical school in which persons will be trained to use agricultural implements and to instruct farmers in their use. The company found that the lack of knowledge of agricultural machines was the greatest drawback to the development of its trade in that region.

BARGAIN FIENDS IN HARLEM.

This Advertising Was Successful if Not Profitable.

The experience of a Harlem dealer would indicate that cut rate advertising sometimes proves more successful than profitable. A 5 and 10-cent store there advertised "Ten cents' worth of goods for 5 cents; 20 cents' worth for 10." The sale was to be for one day only. The advertisement proved a winner, for by 10 o'clock about 1000 women were gathered in front of the store. They were packed against the doors, covered the sidewalks and extended half way across the street. The only man in the gathering was a policeman.

When the manager of the store appeared and surveyed the gathering he became frightened and locked the doors. Immediately the front doors were smashed and glass and pieces of merchandise were strewn on the floor. Nothing could stop the onslaught of women who poured into the store. For some time after the first rush was made women with all sorts of articles in their arms, and with shopping bags crammed with merchandise were constantly going along the street, taking the plunder home.

When the police reserves arrived the storm had passed. The reserves found the one policeman at the back of the store. His helmet was gone, his coat-tails were torn completely off, his nose was bleeding. He had telephoned to the station and was helplessly surveying the ruins around him.

A Love Letter.

Would not interest you if you're looking for a guaranteed salve for sores, burns or piles. Otto Dodd of Ponder, Mo., writes: "I suffered with an ugly sore for a year, but a box of Bucklen's Arnica Salve cured me. It's the best salve on earth. 25c at Chas. Rogers' drug store."

A THOUGHT SAVER

The Astorian Provides the House-keeper With Daily Helps.

MENU SUNDAY. Our self made men are the glory of our institutions. - Wendell Phillips. BREAKFAST: Cereal with Cream, Scrambled Eggs with Bacon, Hot Biscuit, Marmalade, Coffee. DINNER: Consomme, Roast Beef, Escaloped Sweet Potatoes, Corn, Peas, Green Pepper Salad, Frozen Pudding, Coffee. SUPPER: Sardines on Toast, Escaloped Carrots, Four Fruit Jam, Cake, Tea. FOUR FRUIT JAM—Take two pounds each of raspberries, currants, gooseberries and sweet blackberries, cook them, strain through a sieve, add five pounds of sugar and cook until it jellies; seal in jelly glasses.

Saves Two From Death. "Our little daughter had an almost fatal attack of whooping cough and bronchitis," writes Mrs. W. K. Haviland of Armonk, N. Y., "but, when all other remedies failed, we saved her life with Dr. King's New Discovery. Our niece, who had consumption in an advanced stage, also used this wonderful medicine and today she is perfectly well." Desperate throat and lung diseases yield to Dr. King's New Discovery as to no other medicine on earth. Infallible for coughs and colds. 50c and \$1.00 bottles guaranteed by Chas. Rogers. Trial bottles free.

PARKER HOUSE. H. B. PARKER, Proprietor. Free Coach Large Sample Rooms on Ground Floor. Rooms 50c, 75c, \$1.00 and \$1.50 per Day. Foot of Ninth Street ASTORIA, OREGON.

Miscellaneous Advertisements

FOR SALE—At Gaston's feed stable, one Landis harness machine, one 20-horse motor, one starter box, 35 feet 8-inch leather belting, 30 feet 4 play 8-inch rubber belting, 1 pair butcher's wall scales, 1000 grain sacks; one Smith-Premier typewriter.

LOST—Notebook containing check for \$82.50, ring and receipts. Finder please leave at this office and receive reward.

JAPANESE GOODS. New stock of fancy goods just arrived at Yokohama Bazaar. Call and see the latest novelties from Japan.

BEST 15-CENT MEAL. You can always find the best 15-cent meal in the city at the Rising Sun restaurant, No. 612 Commercial street

First-class meal for 10c; nice cake, coffee, pie, or doughnuts, 5c. U. S. restaurant, 434 Bond street.

Wanted—At Gaston's feed stable, hides, wool, furs, sacks, rubber, metals, etc.

WOOD. WOOD. WOOD. Cord wood, mill wood, box wood, any kind of wood at lowest prices. Kelly, the transfer man. Phone 2211 Black, Barn on Twelfth, opposite opera house.

PIANO TUNER. For good, reliable piano work see your local tuner, Th. Fredrickson. 2071 Bond street. Phone Red 2074.

Lump Coal—Large Lumps—Ring up S. Elmore & Co., Main 1961, and order a ton of Ladysmith coal. They deliver it. Select lump coal.

GOING TO THE FAIR. What to Do If You Desire Practical Information. If you contemplate visiting the St. Louis Exposition, to secure reliable information as to railroad service, the lowest rates and the best routes, alias to the local conditions in St. Louis hotels, etc., etc. If you will write the undersigned, stating what information you desire the same will be promptly furnished. If we do not have it on hand, we'll secure it for you if possible, and with out any expense to you. Address B. H. TRUMBULL, Portland, Ore.

A DIRECT LINE to Chicago and all points east; Louisville, Memphis, New Orleans, and all points south. The only direct route to the St. Louis world's fair and the East is via the O. R. & N. and Union Pacific. The following rates apply from Astoria: To St. Louis and return.....\$67.50 To Chicago and return 72.50 To Chicago, returning from St. Louis or vice versa 70.00 To Chicago, returning via St. Louis or vice versa 73.50 Returning via California, \$13.50 additional. For further particulars, call on or address G. W. ROBERTS, Agent O. R. & N. Co., Astoria.

Excursion Rates. SEPTEMBER 5-6-7. OCTOBER 3-4-5.

St. Louis and Return \$67.50 Chicago and Return \$72.50 Via Great Northern Railway

Tickets good 90 days; stopovers allowed going and returning. Full information from H. DICKSON, C. P. & T. A., 122 Third St., Portland L. G. YERKES, G. W. P. A., Seattle

Grand Free Offer to Readers of THE MORNING ASTORIAN

Having contracted at considerable expense with the publishers of this high grade magazine we beg to offer :: :: :: :: One Year's Subscription Free of Cost to all and any readers of our paper who sign and send in the coupon below at once

MADAME

Brings a monthly message of culture to your home and contains all that is best in literature and art. It is endorsed by OVER THREE MILLION OF THE MOST CULTURED WOMEN IN AMERICA, being adopted by the National Council of Women of America as their official organ.

Madame has a circulation of over 200,000 each month. A MODERN MAGAZINE. Finely illustrated by the worlds best artists and containing articles on the leading topics of the day by leading thinkers and writers, besides all the various departments of a modern magazine well represented. :: ::

Let us send you a free sample copy so that you can see exactly what a beautiful Magazine this is, or sign and return the coupon and we will mail you the Magazine free for one year.

SPECIAL MADAME CONTRACT. To THE MORNING ASTORIAN: I agree to take THE MORNING ASTORIAN for the next SIX months, at the rate of sixty cents per month, payable in advance, with the understanding that I am to receive MADAME free of charge for one year. Signed _____ Date _____ 1904. Address _____ Begin sending THE MORNING ASTORIAN _____ If already a subscriber fill in the above blank "Now taking." THIS OFFER MAY BE WITHDRAWN. THIS OFFER MAY BE WITHDRAWN AT ANY TIME. ADDRESS ALL COMMUNICATIONS TO THE ASTORIAN PUBLISHING COMPANY. Pay no money to agents who do not carry The Astorian Publishing Company's credentials