



BUFFUM GETS A NEW GRAIN

World Wizard Has Accomplished Much for Farmers in West.

HE BREEDS BEARDLESS BARLEY

In His Experimental Work He Has Produced Wheat that Will Yield as High as Fifty Bushels to the Acre.

To grow grain as did the farmers a quarter of a century ago and follow the same old methods is one thing that is easy enough, but to grow grain and make four, five, six and even a dozen stalks grow where one grew before, thus increasing the yield many fold, is quite another. This, however, has been accomplished by H. C. Buffum of Worland, Wyo., a man known all over the country; a man who has out-Burbanked Burbank, but who is too modest and unassuming to lay any claim to the great work that he has accomplished for the present and the coming generations.

In the main hall at the Omaha Land show, in a booth to the right of the main entrance, are found an exhibition of the Buffum products. Burbank has bred and interbred the fruits and flowers in his California fields, working on products pleasing to the palate and the eye, but Buffum has turned his attention to the grains and has brought about the desired results.

For fifteen years Prof. Buffum had charge of the agricultural section of the

Utterly Wretched

Nervous Prostration Long Endured Before Remedy Was Found.

Miss Minerva Reminger, Upper Bern, Pa., writes: "For several years I had nervous prostration, and was utterly wretched. I lived on bread and beef tea because my stomach would not retain anything else. I took many remedies, but obtained no relief until I took Hood's Sarsaparilla, when I began to gain at once. Am now cured."

Pure, rich blood makes good, strong nerves, and this is why Hood's Sarsaparilla, which purifies and enriches the blood, cures so many nervous diseases. Get it today in usual liquid form or chocolate tablets called **Sarsatabs**.

University of Wyoming at Laramie. For years he co-operated with the experimental stations in a number of the western states, being a director on the agricultural boards. A few years ago, however, he felt that there was another place where he could be of more benefit to mankind and then he established his breeding fields at Worland, where he has since resided, working early and late among his grains and grasses, which are his pets.

New Alfalfa Is Grown.
Prof. Buffum has given special attention to the breeding of alfalfa and as a result he has grown seventy separate and distinct varieties, four of them being his own hybrids. He has crossed and re-crossed and hand-pollinated this forage plant until now he has one variety that grows to a height of nine feet and produces four to six tons per acre and three cuttings per year. It is more hardy than any of the other varieties and is specially adapted to the semi-arid regions.

In carrying on his plant breeding work Prof. Buffum has brought forth wheat that yields from thirty to fifty bushels per acre.

The professor has given to the public the beardless barley that has an annual yield of almost double that of the old varieties, and then he has made the old varieties of oats ashamed of themselves, for out on his Wyoming breeding field he has crossed and crossed and re-crossed, until he has a product that annually turns out fifty, sixty and sometimes as high as eighty bushels per acre. It has taken years to do this, but it has been accomplished and the seed is producing its kind, regardless of where it is planted, so that it is in a grain-growing country.

Probably the most wonderful seed production of Prof. Buffum's skill is the emmer, a grain of the wheat type, having immensely large and long heads and very strong straw. To produce this hand-pollinating was followed, crosses being made with many members of the wheat family until a grain that has a maximum yield of 150 and an average of from 90 to 150 bushels per acre was secured.

Display of Emmer.
In the Buffum collection of Wyoming grains the emmer is shown in all stages of its growth. When young it looks for all the world like wheat, but as it grows the leaves and stems take on a bright, dark green. Then come the heads, great long ones, attaining a length of five and six inches when full growth is reached.

They are not single heads like those of the wheat, but one long central one, with smaller ones on either side. It is the most wonderful grain in the world for stooking, often as many as fifty and sixty perfect and producing stalks growing from a single kernel of grain.

Ground into flour, it is made into the finest bread, makes an extra good pastry flour, is superb for pancakes and when converted into a coarse meal makes the finest and most palatable breakfast food in the world.

For a stock food emmer is conceded to be superior to corn or oats, possessing all of the fattening properties of all of the other grains. And the enormous yield per acre and the small expense in handling makes it one of the most profitable of the grain crops.

Freak Rose Shown in Burbank Booth

In the Luther Burbank department of the Alameda county exhibit at the Land show is a rose the like of which has never before been seen, for none like it was ever before produced. It is the William Jennings Bryan rose, called by W. D. Nichols "Sixteen-to-One," because it

was found when processed to be composed of sixteen smaller roses, closely united into one of ordinary size. This rose is not a Burbank creation, but a freak which the famed wizard himself could not produce. It grew in the garden of a Mrs. Simons in Oakland, Cal., and is the product of a Liberty rose seed, but has no resemblance to the Liberty rose, nor to any of the roses which matured on the same bush. The stem is flat and two inches wide. When analyzed by Mr. Nichols eight arteries were found to be running through it on either side, each of these feed troughs ending in a rose, making sixteen in all, but so closely combined that without a careful examination they cannot be distinguished. The freak flower was named by Mr. Nichols.

California Grows Immense Pumpkin

Southern California is "some pumpkins" and there is no mistake about it. The idea has become prevalent that pumpkins will not grow in southern California. C. L. Wilson of the Los Angeles Chamber of Commerce and the man in charge of the exhibit from southern California, has knocked this idea into smithereens.

In the Los Angeles and southern California booth at the Land show Mr. Wilson is exhibiting eight pumpkins that aggregate 1,450 pounds, the largest one tipping the scales at 350 and the smallest at 38 pounds. They were grown on a southern California ranch, the owner having this year raised enough of these pumpkins to supply the entire United States with pumpkin pies during the next six months. The man who raised these pumpkins had three rows, planted between walnut trees. The rows were each one-fourth of a mile long and produced 1,250, 1,700 and 850 pumpkins, respectively. But he had trouble with the crop. Last July the vines started out on a journey and some of them ran out onto fruit ranches one-half mile distant dragging the pumpkins along, tearing up the soil and destroying the small trees.

Counterfeit Dollars.
buy trouble, but a genuine quarter buys Dr. King's New Life Pills, for constipation, malaria and jaundice. For sale by Beathor Drug Co.

IMPROVED METHODS USED

New Conditions Necessitate Changes in Methods of Farming.

MECHANICAL POWER IS NEEDED

Farmers of Today Do Four Times the Amount of Work that Was Done by the Previous Generation.

James A. King of the Hart-Parr company, declared in a lecture at the Land show that new conditions had necessitated the modern farm methods and then cited some of the advantages of these methods. He said:

"The agriculture of today is not the agriculture of yesterday. New conditions and new problems have necessitated new methods. The ways of our fathers cannot be our ways."

"Fifty years ago one-half the population of this country lived on farms. Today not over one-fourth of our population is actually living on farms. The farms of then had to produce twice as much as was consumed on them. Now they must produce four times as much. The present day farmer must do twice as much as his father did. The farmer of the future

SPLENDID FORMULA FOR KIDNEYS AND BLADDER

If your back aches, rheumatic pains shoot through your joints and you have frequent desire to urinate, painful or highly colored urination, dizzy spells, it's a sure sign that the kidneys are not in good working condition and need attention. Get the best remedy obtainable. The following formula is one of the very best. Get from your druggist a one-half ounce package Mura's Compound, one-half ounce fluid extract Buchu and six ounces best gin. Mix these well together and take in doses of one to two teaspoonfuls after each meal and at bed time.

This simple prescription acts directly on the kidneys by cleansing these sponge-like organs, also gives them strength and power to properly perform their function of filtering the blood of poisonous waste matter and uric acid, and aids to eliminate these impurities from the system. In this way, dread diabetes, chronic rheumatism and diabetes can be avoided.—Adv.

will have to do twice as much as the farmer of the present.

"He cannot do this and use the same implements and methods his father used. If he must do more work he must exert more power. This means that he must use mechanical power instead of horse power. There is a well defined limit to the number of horses that one man can work at one time. In general that limit is about five or six. If one uses engine power there is no such limit. He can use the power of twenty or sixty horses just as easily as he could that of five or six. In fact he has more absolute control of the power of that engine than he would have of the five or the six horses."

The Traction Engine.

"Briefly stated, the reasons why the traction engine will be used more and more on the farms as the years come and go, are these: The engine will do practically all the labor now done on farms by horses. It will do it cheaper, better, surer and quicker than horses. It reduces the number of men necessary to farm any certain number of acres. This leaves more men to go from the farms and do the other tasks of the world. Since the engine does the work of horses it saves their feed to be manufactured directly into food for man, or else to be fed to food producing animals, such as hogs, cattle and sheep. This means that the use of a traction engine, the modern farm horse, will increase the amount of wealth that one man can produce on a farm, and at the same time reduce the cost of producing, thus increasing his net income in both directions."

"For three years I have operated farms where a traction engine was used for everything possible. On these farms we did all the work except planting, cultivating and husking the corn crop. We plowed our ground, prepared the seedbed, seeded the grain, harvested the crop and threshed it. An engine was used to haul the hay wagons and loaders when making hay, to haul bundle wagons when threshing, to haul the manure spreaders, and to do all the other heavy hauling on the farm. Roads were dragged, roads were built, twenty-three miles of the ditch was filled, open ditches were dug, all with an engine instead of horses. The engine was used because it did the work better and cheaper than it could be done with horses."

A Silken Lustré To the Dullest Hair

(Fashion's Mirror.)
"Proper care of hair and scalp does not mean time-consuming and expensive trips to the hair-dressers. Simplicity is the key-note—just an occasional brushing of scalp and hair on which has been sprinkled a tablespoonful of dry shampoo mixture. This is brushed through and out of the hair, and with it comes all dust, dandruff and excess oil."

"To prepare the dry shampoo, mix together either 4 ounces of orris root or corn meal and 4 ounces theriac. Keep in sifter-top can and use once or twice each week. After a few shampoos dull, 'stringy,' lifeless or brittle hair grows wonderfully soft, silky and lustrous. Continued using induces a luxuriant growth.—Adv.

DENT'S Toothache Gum

Used by millions of people for past 25 YEARS

Get the genuine DENT'S

All Drug Stores 15c

Ladies' Day at the Omaha Land Show

The program today is given over to the ladies of Omaha, and special features will be added to the regular numbers. Of special interest will be the lecture, which is divided into two parts, delivered by Mr. William Bruce Leffingwell

A VISTA OF YOSEMITE WHERE SWEETEST FLOWERS BLOOM

The lecture will begin at 4:30 and will be illustrated by the choicest of Mr. Leffingwell's 5,000 colored stereopticon slides and motion pictures. Be sure to attend this illustrated lecture.

This evening another interesting lecture will be delivered by Mr. Leffingwell in lecture hall "A", beginning at 9:30.

PIONEER DAYS IN THE WEST

A description of the west from the days of the pony express up to the present.

Dr. Frederick H. Miller will give his demonstration of the Wireless Telephone again this afternoon and evening in the booth of the

UNION PACIFIC

"STANDARD ROAD OF THE WEST"

Stop at the Booth Showing the Electric Block Signal.