THE OMAHA SUNDAY BEE: AUGUST 27, 1911.

Wedding of the Plants Produces Very Valuable Children



18 TRYING. TIR. CARPENTER IS S.FT. 8 IN. HIGH



to mate with them.

women, but of plants. It is strange to think of plants ing trees which will produce stock food and fruit. marrying, but the vegetable world is male and female. Among the fruit trees is an olive which grows in the It is made up of such matches, and from them are half desert parts of North Africa, where the rainfall coming forth new and valuable plant children each for years at a stretch is often less than ten inches. day. Evryone has heard of Luther Burbank, who In the same connection is the date which is being married the plum to the apricot and made the plum- grown in the irrigated hot regions of southern Calicot, who made the white blackberry out of the bru- fornia and Arizona. There is also a large-fruited, nette and a cross, and who took the ox-eyed daisy and dry-land Chinese date, which we are grafting and by uniting it with other varieties created the great which seems to promise a new dried fruit industry. Shasta flower, which is many times larger. The Agricultural department has a half dozen men who have done as much original work as Luther Burbank, and there are scores of others scattered over the country, well as to the dry. He is bringing rice from all parts yearly producing grains and fruits which will add enormously to our national wealth.

SHINGTON, D. C ..- (Special Correspond- for the dry farms of the west. Many choice varieties ence of The Twentieth Century Far- have been introduced, and some of these are yielding mer.)-Uncle Same is running a great from 20 to 50 per cent more than those of the past. matrimonial bureau. He makes mar- A great deal of work is being done in millets and riages by the hundreds a month, and sorghums, and Uncle Sam's agents in Manchuria have adds to his children by the tens of thou- sent several of these from that country. They are sands a year. He not only marries also using the Siberian sorghums and kowliangs from those within his own boundaries, but he has his China. These millets have been married to others, agents traveling at government expense far and wide and their children may be better adapted to our soil over the world searching out new brides and grooms and climate than the parents from far-away Asia.

OBE OF UNCLE SATTS PLANT LABORATORIES

We are introducing alfalfas from Siberia which These marriages, however, are not of men and withstand the cold and drouth and also drouth-resist-

The Marriage of the Rice.

Our New Baby Wheats.

United States could be increased only three bushels and upward per acre. per acre it would add at least \$100,000,000 per year Since these introductions the rice lands of the to our receipts from that source.

pedigrees dating far back into history. They have and it is said that it can be grown on any soil adapted been collected from all parts of the world. Among the to wheat or cotton, provided the climate conditions wheats now used are some sent by Mr. Aronson from are right. Palestine. He has discovered there a wild wheat whose ancestors are supposed to have grown in the Garden of Eden, and there is another wheat which has been 3,000 years old.

semi-arid lands of our middle west. It was tried in raising 56,000,000 bushels, about one-half of which pers and others for fillers and binders. is exported to Europe and some to the very country whence the wheat came. That wheat all comes from land which would not grow wheat before.

New Grains for the Farmer.

Similar experiments are being made by our experts of the Agricultural department in almost every grain known to man. New grains and new varieties of the old grains are being gathered from all over the world and rice.

Our corn crop last year was worth over \$1,500,000-000. Its value was more than a dozen times that of celpt and there are now several hundred thousand our gold and silver output, and the amount raised was cards which tell the story of each distribution. so great that it would have filled a solid four-horse wagon train reaching from here to the moon if the skies could be bridged and the corn taken thither. a variety may be discovered which will be worth a twenty-one bulbs of the yellow lily, which are sent great deal of money. 'As it is, the best seed brings from Ya Chow-fu in China, on the borders of Tibet, a high price in the market.

Plants for Our Dry Land.

Water Street and

I am told at the Agricultural department that they a new tobacco from Santa Clara, Cuba, which may paper, is that though a mining camp is usually looked are making a special effort to discover new cereals withstand the Granville tobacco insect, and a passion

of the world and marrying the different varieties. This is a job. There are no less than 1,400 different. kinds of that grain in Japan, India and China, and

some of these are found to grow better than our famous South Carolina rice, which was long considered Take the matter of wheat. The agricultural the best of the world. Not long ago we sent the late matchmakers of Minnesota have done wonders in Dr. M. S. A. Knapp to Japan and he brought back their marriages of those servants of man. They have rice from the island of Kiushu which has revolutioncrossed the various wheats, and they have now 2,000 ized this industry and added millions of dollars to the hybrid babies which they are testing. They have value of our crop. We have now rice for the uplands produced one offspring which has been already scat- as well as for the swamps, and, on the prairies of Artered over 1,000,000 acres, and another which is be- kansas, we are raising twice as much to the acre as ing planted upon' 500,000. Some of the new wheats they are getting in South Carolina and Georgia. We are showing gains of from two to five bushels per now produce hundreds of millions of pounds of rice acre, and some have averaged as high as forty-seven every year, and that at less cost than Asia can raise bushels. The old wheats beside them have been giv- it with cheap coolie labor. The secret is in the use ing only fifteen or twenty. If the wheat crop of the of machinery and the profits are large, averaging \$50

United States have been greatly extended. The crop is The grains used in producing these hybrids have now very large in Louisiana, Arkansas and Texas,

Some Other New Crops.

We are also breeding new cottons, marrying the found in the tomb of an Egyptian mummy more than best of India and Egypt to our favorite daughters of the uplands and sea islands. We are breeding for Among the new varieties which we are now plant- seed as well as for lint. We are breeding corn for ing is that brought in from the dry lands bordering the oil contained in the grain and also to increase the the Sahara in southern Algeria. This is the durum size of the crop and cut down the size of the cob. We or macaroni wheat which M. A. Carleton, one of our are making oranges which will withstand the frost; agricultural explorers, sent to be tested upon the extending the orange belt 400 miles farther north. We are marrying the lettuces and joining the varieties Kansas, Nebraska and Texas, and the first crop was of flax so that the plants are taller and the fibers Porto Rico and Hawaii. We have French artichokes more than a pound. Mr. Frank N. Meyer, one of the 75,000 bushels. That was eight or nine years ago, are better. We are marrying the tobaccos from all The second crop was over a million, and we are now parts of the world and growing certain kinds of wrap-

In this work we are aided by agricultural explorers

who have been sent all over the world and who are now scratching the skin of old Mother Earth for new plants and seeds. There is a bureau devoted to this introduction in the west wing of the Agricultural department, and it is one of the busiest places in Uncle Sam's factory. It has already introduced something like 30,000 new vegetable creations and more are arriving each day. The moment one comes in it and brought here for testing and uniting with other is sent to the special station or plant breeder best varieties. This is especially so of corn, oats, barley fitted to test and develop it, and within a few days it is under the earth and in just the conditions fitted

to give good results. Records are kept of every re-

The Seeds and Plants of One Week.

During my stay in the department Prof. David Fair-Nevertheless, the corn breeders tell me that by marry- child, who is at the head of the bureau, showed me ing the different varieties and planting good seed something of the work as it is now going on. With this crop could be doubled without the addition of him I went over the cards that have been received one acre to the area or adding more fertilizer. All the last week. Here are the items. The first is a that is needed is good seed and cultivation and the new alfalfa from Pretoria, South Africa, the second a land will produce from two to four times what it does scarce barley from Nepal in India, and a third a Japnow. This matter is understood by our well informed anese larch sent from Copenhagen in Denmark. And farmers, who belong to the many corn-breeding asso- then we have a new magnolia from Calcutta, which ciations scattered over the union. The varieties of will be married to a yellow magnolia just received corn are now as well known as those of cattle and from Buitenzorg, Java, a new kind of banana which horses. The best are being crossed and recrossed and comes here through the Kew Gardens of England, and

> Other importations of this week are a white rubber from near Buena Ventura, Colombia, which it is thought may be grown on the Everglades of Florida,

ern Pacific ocean.

ERSIMPIONS

AS BIG AS

BASE BALLS

it commands a good price in the markets.

new kinds of soy beans from Mancharia, and some of be like quoting a botany.

these, it is thought, may produce an oil which can be mixed with linseed cil to be used as a paint dryer. There are also several new wheats from the highlands tested.

New Crops for Uncle Sam.

by express, freight and mail, and in some cases the when ripe are so soft they can be scooped up with a importations weigh tons. Among the results already spoon. Others are eaten while still hard like apples, accomplished we have now the largest collection of and others are frozen and served like a sherbet or date varieties known. They are growing in the gar- Roman punch.

Among the fruits in which the department is espe-

greatest variety of mangoes extant and we are testing sometimes of an orange red color, measuring from that fruit with a view to its introduction into Florida, three to five inches in diameter, and often weighing

fruit from Tahiti, in the Society islands of the South- now growing in the truck gardens of the south, Kaffir most expert of our agricultural explorers, has discovcorn from Abyssinia, which is being tested in Kansas, ered one which is as seedless as a navel orange, which This passion fruit is as large as a peach and it is and a new kind of oats from northern Finland, which has no pucker, and can be eaten when green and hard. thought that it may be crossed with the may-pop of is being grown in Alaska. We have new alfalfas from It is known as the Tamopan persimmon and was South Carolina. It makes delicious ices and the profits Arabia and Chinese Turkestan. We are starting a sisal found, I believe, somewhere near the Ming Tombs, of raising it may reach as high as \$300 per acre. The hemp industry in Porto Rico and we are growing Jap- north of Peking, in a climate colder than any of our fruit is now grown in the greenhouses of England and ancse bamboos, which, it is thought, take the place states of the south. He has sent cuttings which will of the old cane brakes of the south. We have also a be grafted on our persimmon trees and it may be that In addition to these the bureau received yesterday valuable paper plant from Japan, wood oil trees from this fruit will some day be almost as common as ap-

RANK MEYE

ONE OF UNCLE

SATTS

AGRICULTURAL

EXPLORERS

There are many other persimmons in Asia which of the most common fruits in the markets. The natives have a method of taking out the astringency or pucker by leaving the fruit several days in a cask or tub which has once contained a spirituous liquor. The of Merico, and a number of mangoes to be added to cially interested just now is the persimmon. Not the effect of the liquor which is soaked into the wood the several hundred varieties which have already been little persimmon as big as a walnut which grows in seems to take out the pucker. We are now raising our south, but the Japanese. Chinese and Korean per- some Japanese persimmons in Florida, where the crop simmons which are as big as base balls, or larger. I is said to be commercially profitable. There is no This work of one week gives you some idea of what have caten them in all of these countries and I verily doubt that the fruit can be grown wherever our native Uncle Sam is doing to find food for his American believe they are the most delicious fruit upon the persimmon now thrives, and it is probable in many in the second

Frank Meyer's Work.

Indeed, it is impossible to estimate the value of our agricultural explorations. They cost us comparadens of Arizona and California. We have also the These Aziatic persimmons are beautiful. They are tively little, but they yield bigger dividends than any other money appropriated by congress.

> Take, for instance, the work of Frank N. Meyer, the man who has sent us the persimmons I have just mentioned. He is now in Chinese Turkestan, west of Tibet, traveling on foot and on camels, looking up new plants ad seeds for arid lands. He receives, all told, something like \$5,000 a year, and out of this pays his traveling expenses, doing the work more as an enthusiast and for the good of the country than as a means of making a living. He is one of the most famous of our botanists and plant experts and, like Powell, who recently belonged to the same bureau, he could easily command a salary of \$10,000 a year if he chose to leave the department.

> Mr. Meyer has traveled all over China, Manchuria and Siberia, sending us new fruits, nuts and grains. In addition to the persimmon he has given us a score or more new eeaches, which are now being tested. Some of these are as large as navel oranges; others have a flesh which is blood red, looking more like that of a beet root than anything else. He has sent in the so-called honey peach, which grows in Shantung, and the beef peach of Shansi, which looks like raw meat. Some of the peaches now being tested are flat, and they are of all shades, from green and yellow to a rich, rosy red.

> Mr. Meyer has sent in many apricots from China, and wild apricots from Manchuria and northern Korea. which will stand more cold and drouth than anything we now have. Some of these apricots have been successfully tested at Boston, and some even as far north as Wisconsin.

We are indebted to Mr. Meyer, also, for new Chinese varieties of plums, cherries, quinces and apples, as well as for other fruits which the department expects will be grown in different parts of the country. One of the most important of the latter is the jujube, the fruit of which is not unlike dates and can be eaten fresh, dried and preserved, and also stewed or smoked. tinuation of the city of Flat River, they have separate The jujube will grow in an alkali soil, and it is well

FRANK G. CARPENTER.

Big Missouri Town Without Government

else have fled. Its hinges are rusting in makes its living underground. idleness because no criminal has been

city hall has long since been vacated and locked up. mer chief of police has become a deputy sheriff. Every vestige of the once strong and assertive city govern- mined. ment is now only a pleasant memory of bygone days.

Republic, might well be an epitaph for Juarez or some ill-fated city that had been wiped from the map by

fire, flood or pestilence, but such is not the case. Those conditions are true, it is asserted, in every detail of a growing, thriving Missouri town, and it is one of the wealthiest, busiest places in the state.

Flat River, Mo., with a population of from 8,000 to 10,000 people, representing almost every nationality, political conviction and religious belief; yet without the slightest pretense of municipal government, is the center of the most unique economic situation of the present decade. It is another link in the chain of evidence proving that truth is stranger than fiction

Flat River is a typical mining town; and, so far as being selected because of the conspicuous congeniality of disposition, its population is more cosmopolitan than perhaps any city of its size in America.

upon as the embodiment in a pre-eminent degree of towns.

HE door of the city calaboose is wide open lawlessness and a low order of citizenship, Flat River and silent. Like a faithful sentinel it is the very heart of the greatest lead mining district stands, keeping guard when all things in the world and 60 per cent of its male population

Twenty years ago the town was not even on the detained there for many moons. The map of St. Francols county. As recently as ten years ago it was practically unknown except to those living The mayor and other municipal officials in that immediate vicinity, and a few Wall street have retired to business and private life and the for- operators, who were interested in the lead market and hence familiar with the centers were the metal was

Though there are no saloons in Flat River, which The preceding paragraph, taken from the St. Louis fact in itself is remarkable considering the number of foreigners, men occasionally taak up in neighboring towns and stray into Flat River, where they are arraigned on various charges before the justice court. and petty crimes and family disputes are not less frequent there than in many other towns.

The thing that has made possible the development and crystallization of such a powerful moral sentiment in this mining community is the fact that from its very beginning the most prominent men of the neighborhood were stalwart church members and representative citizens, who used every means in their power to build up such a sentiment and even underwent personal sacrifice to discourage and prevent any conduct or institutions which tended to impair it.

In speaking of this large mining community as Flat River, it is well to explain that Flat River is only the largest of a group, and though St. Francois, River Mines, Desloge and Esther are geographically a conpostoffices and are generally spoten of as distinct adapted to some of the dry lands of the west.

a hardy white ginger from the province of Shantung China and are setting out in California hundreds of ples. The trees are said to be hardy. They bear so in China, which will be planted in Texas, four species plants which it is thought will make varnish. We heavily that the limbs break, and they last for forty of persimmons from Java and some plants related to have also a pedigreed barley which is especially de- or fifty years before the fruit fails. the papaya from the Royal Botanical Gardens at Rome. sired by the brewers, and altogether so many other Explorer Parker of Mukden has just sent in eight fruits, grains and trees that to mention them would have seeds, but they all grow large and they are one Persimmons as Big as Base Balls.

children. New seeds and plants are coming in daily carth. Some kinds look like mammoth tomatoes, and places much farther north.