

MUNYON'S WORK TALK OF CITY

Big Success Shown by Number of Callers.

Local Man Tells San Francisco Headquarters of Remarkable Relief From Rheumatism.

The apparent success which Professor James M. Munyon, the world-famous health authority, has been meeting in San Francisco has started much discussion. The continuous stream of callers has kept Dr. Munyon's expert representatives busy every day for several weeks at the main store of the Owl Drug company, San Francisco, where he has established headquarters for meeting the people.

Munyon's following seems to be enormous. Those who believe in his theories seem to think he possesses the most marvelous powers for the healing of all sorts of diseases. Munyon, himself, laughs at this. He says: "The hundreds of cures which you are hearing about every day in San Francisco are not in any way due to my personal skill. It is my remedies, which represent the combined brains of the greatest medical specialists science has ever known, that is doing the work. I have paid thousands of dollars for a single formula and the exclusive right to manufacture it. I have paid tens of thousands of dollars for others of my various forms of treatment. That is why I get such remarkable results. I have simply bought the best products of the best brains in the world and placed this knowledge within the reach of the general public."

Among Munyon's callers yesterday were many who were enthusiastic in their praise of the man. One of these said: "For six years I suffered from rheumatism. My arms and legs were afflicted so badly that I could hardly work, and I could not raise my arm to my head. The pain was most severe in the back, however, and I was in perfect torture. I tried in many ways to get cured, or even to secure temporary relief, but nothing seemed to help me until I was persuaded by a friend to try Munyon's Uric Acid course. It was the most marvelously acting remedy I ever saw, within a week the pain had most gone and inside of a month I considered myself entirely cured. I can now go out in the worst weather—cold, or wet or anything else, and I have not felt any suspicion of a return of the disease."

I think that every person who has rheumatism and does not take the Uric Acid course is making a great mistake."

Letters addressed to Professor J. M. Munyon, care Owl Drug Co., San Francisco, Cal., will receive as careful attention as though the patient called in person. Medical advice and consultation absolutely free. Not a penny to pay.

Drives away Flies, Mosquitoes and Gnats. It protects horses and cattle from attacks of insects, enabling them to feed and sleep in peace. It prevents loss of weight and strength from worry caused by attacks of insects, and from the irritation of their bites and stings. There is a satisfaction in the relief it affords domestic animals from the scourge of maddening parasites and flies, besides the profit in returns. Horses do more work on less feed and cows yield more and better milk when relieved from the frenzy incited by constantly fighting a swarm of voracious, insatiable insects.

Four sizes, 25c, 50c, 75c and \$1.25. Ask your merchant for it.

HOYT CHEMICAL CO. Portland, Oregon

German University Students. The University of Berlin has nearly 8,000 students, Munich nearly 7,000, Leipzig 4,600, Bonn 4,000, Heidelberg 2,400. In the principal universities of the Empire about 55,000 students are now enrolled.

Always in Readiness. There was an officer in Rome whose business it was to always have his doors open in order to receive any Roman who applied to him for help.

WISBON'S Reberine FOR THE COLIC. GIVES RELIEF TO ANY BELLE. Sold by all druggists.

CENTENNIAL PLANS GREAT.

Astoria Makes Preparation for Coming Celebration.

Astoria, Ore., July 24.—"What are we going to have to amuse the people," Astorians interested in the Centennial Pageant, which opens August 10 and continues thirty days, are asking.

So far, the plans of the centennial committee have been carried out to a successful issue without a hitch. There is to be plenty of amusement and some educational features for those who attend the pageant which has been planned to commemorate the first settlement of the Pacific North by the white race.

The big features are to be scattered about Astoria in such a manner as to take advantage of all the natural resources. The twelve mile long harbor is to be used for aquatic displays, the city streets for the pageant parades and the city park for some of the fixed features.

Just a few minutes' walk from the center of the city, a thousand feet above the sea level, is City Park. Here, with a view of the harbor, the rivers, ocean and mountains, the big spectacular features are to be staged. A stadium has been built into the hill without any excavation and seats have been built down the side of the slope to care for about 5,000 persons. There is not a post to obstruct the view and the stage, an open air one, has a clump of tall cedar trees for a background. This is where "The Bride of the Gods" is to be produced by Miss Mabel Ferris, the Los Angeles girl who is now living in Portland. Local talent is being trained to produce the spectacle, which is founded upon the story of Mt. Hood being changed from a volcano into an ice and snow-covered mountain. It is an Indian legend, and has a great historical story to tell.

The state will maintain a salmon hatchery during the whole thirty days of the centennial celebration is open. The building for this is now complete with the exception of the installation of the tanks for the eggs. The tanks have been shipped and as soon as they are tested out and swelled to prevent leakage they will be ready to receive a million Royal Chinook salmon eggs.

Master Fish Warden Clanton has delegated C. E. Greenman to take charge of the exhibit and he has been in Astoria making preparations to carry through the work. Within a week he will have completed the installation of the tanks and arranged for the water supply. It will take about 24,000 gallons of water a day to keep the work going right, and a special three-inch water main has been laid for the city water works to care for this water supply. At least the piping will have been completed by the time it is necessary to get the use of water.

This fish display is an intensely interesting one to everyone from all over the country. Hardly a home does not pay tribute to the thrift of the Columbia River salmon fishermen and canners, and while every housewife is familiar with salmon and the various ways to use it, few have ever seen a real salmon and not one in a million from the East has ever seen a salmon egg. They will know the whole process from beginning to end and it is bound to be a big advertisement for Columbia River salmon when the visitors go back home and tell what they saw and explain what a salmon is really like.

Another strong feature is the exhibit of the resources of Clatsop County. The building for this display is now completed and ready to be fitted up by the exhibitors. In this structure the importance of the county from an agricultural point of view will be brought to the attention of the visitors. They will see the marvelous fruit and vegetables which are raised here, as well as the flowers which have been "canned" by Ben Worsley. The timber and dairy industries will be treated thoroughly too in the county exhibit.

Manufacturers of national reputation have engaged practically all the space in the building which has been erected for this purpose and by the time the centennial opens—August 10—this big structure will be crowded with exhibits of the best nationally advertised wares in the country. The whole nation has been scoured to make this a representative exhibit and success has come from the efforts of the committee in charge, aided by the Astoria merchants.

Within the Astor Stockade there will be the great \$50,000 Indian relic display loaned by Maj. Lee Moorehouse of Pendleton, Wash. This is a priceless collection which can never be duplicated again. The Major, who was an Indian agent at the Umatilla Reservation for years, secured these relics from the Indians who never realized their value.

Dead and departed chiefs who showed great head dresses with pride did not make any attempt to preserve their equipment after their death. As a consequence the braves who followed them sold the only mementoes of the dying race worth while for small sums. Major Moorehouse, knowing the value of the head dresses and implements of war and peaceful Indian life, picked out the best of them and today this collection is without an equal in the world. The whole collection is to be placed in the "Living Quarters" within the Astor Stockade. It will completely fill this big building and is bound to be a great source of interest to the thousands who are to visit the centennial pageant.

Across the courtyard from this Indian display is the structure reproducing the barn used by the Astor trading party when they had finished the fort. In this the Indians will have their dining room and storehouse for the curios they are to bring with them. It will be an interesting sight and well worth the time to tarry for an hour. Here, too, the old Indian fortune tellers will hold sway to show their prowess at telling the fates with the cards.

Out on the side of the hill the Indians will pitch their tented city and live the life of Chief Concomly and his followers lived. They will journey to the banks of the Columbia to fish for their salmon, even as did Chief Concomly, and their topees will have the same smoke curls going out the tops as did those of the Indians of a century ago.

All the tribal traditions will be preserved here as they were a century ago. They will take the prized Moorehouse collection of Indian head-dresses and go through all the old war dances, the marriage dances, the funeral dances and the peace pact ceremonies that their forefathers did back in 1811. Also will they participate in the historic pageants which will be given to paint anew the founding of Astoria, the treaty with Concomly's daughter to McDougall and such events as went along with the century of decline of the Indian as a factor in the government of this country.

On the butte close to the County Exhibit building there will be erected a "Trail," in which some twenty "shows" will be maintained for the amusement of man and child. These shows are being contracted for from all parts of the country and when they open up here the Midway and such features as made big expositions of our country famous will be installed for the amusement of the thousands who are bound to be at the centennial celebration.

Just how many of these features will be presented depends upon the available space. General Manager A. A. Trempe is in communication with at least three score features and spectacles which are available, but he is culling out the best in the land before closing contracts with them. Also he is not contracting for a show until he has investigated the show and the integrity of the owner of it.

Plans are under way now for a stock show which will bring about 100 head of the best stock in the country to the City Park enclosure. And it is the estimate of the centennial committee that about \$1,000 in cash prizes will be awarded at the conclusion of this show.

Members of the six granges in the county are working with a special committee to draft the details of this big feature and it is thought that plenty of good cattle will be on exhibition to back up the county resource exhibit. Certainly if this feature is not a big one no one but the farmers are to be blamed, and they insist that they have plenty of pure bred cattle to make this stock show a big success and an interesting feature.

Ellery's band, which played at the Coronation ceremonies in England, and which is now on the way here after touring Great Britain, coming directly here from Edinburgh, Scotland, will play afternoon and evening at the Stadium, and this feature alone is one which is worth a dollar to hear. This is the big band of the United States, and Mr. Ellery is determined to make unusual preparations to satisfy the visitors to the centennial. He has in mind a big concert tour and well advertising the merits of his band with the best kind of music to thousands who will be here from all parts of the country. He will be able to easily book his tour if his music is artistic, if he does not "produce the goods," it will put him out of business. Hence his desire to render a sterling engagement here.

Distinguished visitors such as Governor West, Governor Hiram Johnson of California, and the officers of the visiting naval vessels will be entertained at the Stadium and the public addresses of such men as James J. Hill, Louis W. Hill will be made from this vantage point. All or nearly all public speaking will be from the Stadium and everyone in the grounds may hear well because of the natural site of the Stadium.

The tallest flag pole in the world will be erected on top of the hill within City Park, and it is certain to attract a great deal of comment. This pole is 219 1/2 feet high and is one single "stick" of timber containing millions of feet of timber. It is more than three feet thick at the base and 15 inches through at the top. Just now this timber is down at the Hammond Lumber Company's place, but it will be towed up the river and dragged up the hill to the park with a huge donkey engine, where it will be erected in the center of the park. With a huge pennant to flat from this pole, the centennial grounds will be visible for miles.

These are the big features which will be at the City Park alone. Scattered at vantage points downtown will be various shows and carnival features such as are usually in evidence at high classed pageants. There will be Ferris Wheels, Joy Rides, numerous riding devices, and mirth-provoking amusements such as have made Coney Island Dreamland, Luna Park and similar amusement resorts nationally famous.

There will be six historical parades, the pyrotechnical display by the Hitt Fireworks Company of Seattle, marine pageants, regatta, automobile races at Gearhardt Beach, swimming races at the Gearhardt hotel tank, ocean and fresh water excursions and fully a score of features which are contracted for and under way now.

This is what Astoria is to give the public. Especially will the features at the City Park be interesting, amusing and instructive to all who visit Astoria during the centennial.

Ambition. Ambition can creep as well as soar. The pride of no person in a flourishing condition is more justly to be dreaded than that of him who is mean and cringing under a doubtful and unprosperous fortune.—Burke: "Letters on a Recluse Peace."

One Pest. Who whistles in a street car robs me of most that is dear to me, my peace of mind, and gives me nothing in return.—Philadelphia Enquirer.

SPRAYING FOR CONTROL OF INSECT AND FUNGOUS ENEMIES

Marked Increase Has Been Noted Within Past Decade—Work Largely Due to Work of Experiment Stations in Demonstrating Effectiveness of Operation and Profit Attending it—Some Injury.

(By W. W. BONNE, Maine Agricultural Experiment Station.)

The spraying of economic plants for the control of insect and fungous enemies has markedly increased within the past decade. This is largely due to the work of experiment stations in demonstrating the effectiveness of the operation and the profit attending it. Great improvements in spray machinery and materials have helped much towards the adoption of spraying as an annual farm operation, and especially is this true of the fruit growing industry. The progressive orchardist today recognizes the necessity of timely, thorough and intelligent application of insecticides and fungicides in order to sell his fruit in the best and most profitable markets.

The increase of spraying operations has, however, been accompanied by serious problems for the solution of which the grower turns to the experimenter. The use of bordeaux mixture, for many years the standard orchard spray, and even today recognized as the best all-around fungicide known, has been accompanied by injury to fruit and foliage.

Complaints of such injury have been increasing with each season and are not confined to any section of the country. The severity of the injury varies in degree and in different seasons. It has long been known that bordeaux mixture cannot be used with safety on the peach and Japanese

peeled and kept from freezing can be stored indefinitely. Home made lime-sulphur can also at present be made cheaper than the home-prepared bordeaux mixture, so far as cost of ingredients are concerned. The choice on grounds of economy is, therefore, merely between the expenditure of money or time and labor.

Home made boiled concentrated lime-sulphur may be made as follows: Sulphur 100 pounds Lime, best grade 55 pounds Water sufficient to make 60 gallons. Slake the lime, mix the sulphur into a thin paste with a little water, add it to the lime, add sufficient water to make 60 gallons, bring to a boil and boil vigorously for 30 to 45 minutes. The sediment is then allowed to settle, after which the clear dark amber-colored liquid is drawn off and may be stored in casks for future use.

In making this solution a large iron kettle or cooker of some sort is necessary. A stock feed cooker of large capacity will answer. Fig. 1 shows a satisfactory form. The solution can also be made with the use of direct steam, and this means has been frequently employed when large quantities of the material are made.

With our present knowledge, the strength of lime-sulphur to use depends upon its density. This may be determined by a cheap and simple instrument called the hydrometer. This consists of a hollow glass tube,



Lime Sulphur Cooker.

perfor to concentrated home made stock solutions when these are properly made and stored. The former are, moreover, considerably more expulsive when the tree is in leaf, although Cordley and Cate report the use of 5-6-50 and 3-6-50 formulae on peach foliage without injurious results.

Commercial lime-sulphur preparations now on the market are not su-

its lower end terminating in a weighted bulb (Fig. 2). Placing this in a liquid, it sinks until the liquid displaced equals its weight. In light solutions, therefore, it will sink deeper than in heavy or dense ones. The gradations to be read are marked on the scale on the neck of the instrument and are in degrees Beaume, or in terms of specific gravity. Some instruments give both scales. The Beaume is the one most generally used.

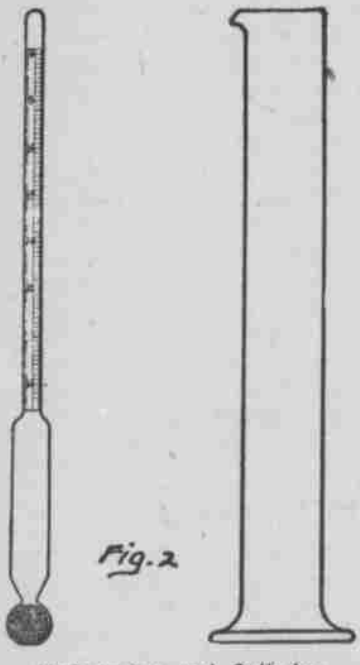
These instruments are absolutely necessary for the proper use of lime-sulphur solutions.

Kohlrabi.

The kohlrabi is one of the most popular vegetables in European countries. In America this vegetable has never been popular because very few people have tried it, and, therefore, are not familiar with its merits. When produced under proper conditions it is more delicate in flavor than turnips. This vegetable should be planted in moist soil and the plants thinned in the row so that they will not stand more than six or seven inches. The rows should be about 15 inches apart, if to be cultivated with a wheel hoe, while they should be 28 to 30 inches apart if a horse cultivator is to be used.

Making Clover Hay.

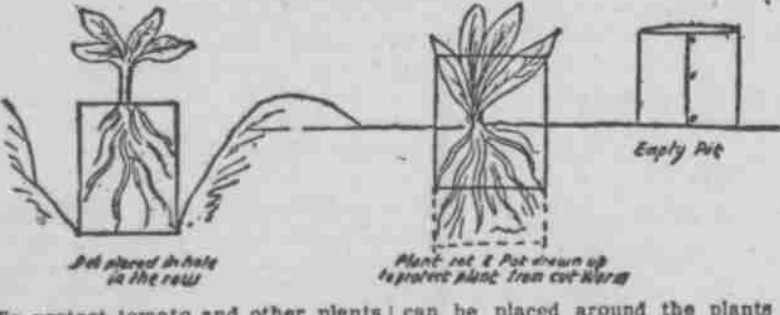
My method is to cut it down after the dew is off in the morning or late in the afternoon. Before it gets very dry I start the tedder and run over it three or four times with this machine. Late in the evening I put it up in tall, slender shocks, which stand there until next morning, when it is hauled into the barn and a large quantity of it put together—the more the better, but it is not tramped in. If the weather is fair I often allow it to stand in the shock for two or three days and it dries out in the shock.



Hydrometer and Cylinder.

pensive. At present prices of material the home made concentrate can be made at a cost of one-third to one-fourth that of an equal volume of a commercial solution if the materials are bought in quantity. This does not include the original outlay for a cooker and barrels for storage. The commercial preparation is a convenience, requiring nothing but a knowledge of its density before diluting. The home made concentrate can be made at any time and if properly bar-

PROTECTION FROM CUTWORM



To protect tomato and other plants from the cutworm, take stiff paper and mould it around a 3-inch shaft fastening the edges with small tacks making tubes 4 inches long. These

can be placed around the plants as shown in illustration. Pigeon manure is imported into England from Egypt.

As a Tonic and Regulator

You will find Hostetter's Stomach Bitters absolutely trustworthy. It is backed by a 58 years' record in cases of Bloating, Flatulency, Indigestion, Costiveness, Cramps, Diarrhoea, Malaria, Fever and Ague.

TRY A BOTTLE TODAY.

The genuine has our Private Stamp over neck of bottle. Refuse all others.

OTTUMWA WOMAN CURED

By Lydia E. Pinkham's Vegetable Compound

Ottumwa, Iowa.—"For years I was almost a constant sufferer from female trouble in all its dreadful forms: shooting pains all over my body, sick headache, spinal weakness, dizziness, depression, and everything that was horrid. I tried many doctors in different parts of the United States, but Lydia E. Pinkham's Vegetable Compound has done more for me than all the doctors. I feel it my duty to tell you these facts. My heart is full of gratitude to you for my cure."—Mrs. HARRIET E. WAMPLER, 524 S. Ransom Street, Ottumwa, Iowa.



Consider This Advice. No woman should submit to a surgical operation, which may mean death, until she has given Lydia E. Pinkham's Vegetable Compound a fair trial.

This famous medicine, made only from roots and herbs, has for thirty years proved to be the most valuable tonic and invigorator of the female organism. Women residing in almost every city and town in the United States bear willing testimony to the wonderful virtue of Lydia E. Pinkham's Vegetable Compound.

Mrs. Pinkham, at Lynn, Mass., invites all sick women to write her for advice. Her advice is free, confidential, and always helpful.

DR. Wm. PEUNDER'S OREGON BLOOD PURIFIER

A Tonic, Alternative and Resolvent. The best remedy for Kidneys, Liver and Bowels. Eradicates Pimples, Eruptions and Disorders of the Skin. Purifies the Blood and gives Tone, Strength and Vigor to the entire system.

Needs of the Church. "What is the greatest evil to be remedied in the modern church?" is a question which a Topeka minister asked a lot of business men. One replied: "Make the women take off their hats and fix the seats so that men can sleep in greater comfort."—Kansas City Journal.

It's Up to You. You may get a job on your front, or on your back, but whether you hold it or not depends on what you have in you.

Your Hair Contrary?

Is it inclined to run away? Don't punish it with a cruel brush and comb! Feed it, nourish it, save it with Ayer's Hair Vigor, new improved formula. Then your hair will remain at home, on your head, where it belongs. An elegant dressing. Keeps the scalp healthy. Does not change the color of the hair.



We certainly believe this, or we would not say so. Ayer's Hair Vigor, as now made from our new improved formula, is a great preparation for the hair and scalp. Stops falling hair. Cures dandruff. Promotes the growth of hair. Made by the J. C. Ayer Co., Lowell, Mass.