

## RHEUMATISM.

Some of the most valuable discoveries in medicine had their origin in remote countries among strange people. Quinine came to us from the Indians of Peru; opium from the barbarous races of Asia, and cod liver oil was given to us by ignorant whalers who, because it softened leather, thought it would soften joints stiffened by rheumatism. They were right. It only remained for science to work out the idea, and today cod liver oil is one of the best-known remedies for the treatment of chronic rheumatism. As early as 1754 cod liver oil was recognized as a cure for rheumatism, and a few years later it was found that the same remedy could be used for the cure of skin diseases due to this complaint.

The first step in the cure of rheumatism is to supply the blood with nourishment and to make up the deficiency in red blood corpuscles. These corpuscles convey oxygen to the various tissues in the body and play a very important part in the process of combustion which is constantly going on within the body and which is called the "fires of life." Cod liver oil is an excellent fuel for these fires and they burn more brightly when supplied with it.

The faster the blood is made rich and plentiful in red corpuscles the sooner the rheumatism is driven from the system. In Scott's Emulsion the full value of cod liver oil is combined with hypophosphites of lime and soda, and, being perfectly emulsified, is best suited for the treatment of rheumatism where everything depends upon nourishing the blood quickly and effectually.

Scott's Emulsion differs from any other preparation in that it passes into the system without tax on any of the organs with which it comes in contact. By reason of its immediate action it is enabled to make rich blood faster than disease can consume it, hence it is not long before sufficient headway is gained to drive out the trouble and restore the body to a normal condition. It is in this way that Scott's Emulsion disposes of rheumatism and rids the body of the lingering symptoms that so often threaten a return of the disorder.

So-called wines, cordials and extracts of cod liver oil are worthless as they do not contain the value of the whole cod liver oil and hence cannot furnish the desired benefits. Scott's Emulsion has been the standard cod liver oil preparation for over twenty-five years.

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## WILSON'S REPORT

### THE LARGE OPPORTUNITIES OF NATIONAL IRRIGATION.

The Department of Agriculture Investigates Sheep and Has Remedy—Division of Forestry Now a Bureau—Proper Methods of Range Management.

The great stock ranges of the Northwest contain approximately one-third of the sheep in the United States, representing a value of more than \$40,000,000. The owners of these sheep suffer an annual loss conservatively estimated at one per cent, or \$400,000, from poisonous plants. During the past year the department has continued its investigation of this loss and has succeeded in isolating poisonous principles from the species of camas and from one of the lupines, the two kinds of plants which, next to loco weeds, cause the greatest percentage of loss in the Northwest. The antidote for poison camas announced by the department in 1900, viz.: drenching with a one per cent solution of permanganate of potash and sulphate of aluminum, while effective, can be successfully applied by one man to only a few sheep. Some remedy was demanded which could be more quickly applied when a large number of sheep are poisoned. Our physiological test of the active principle of poison camas on rabbits and other small animals, subsequently verified with sheep, showed that considerable quantities of the poison passed from the system in the urine. A series of tests was then instituted with drugs that are known to stimulate the action of the kidneys. It has now been demonstrated that a combination of diuretic and caffeine is a satisfactory antidote for this poison; and as it can be given very rapidly by means of a hypodermic syringe, one man can apply the remedy to several hundred sheep in a few hours.

#### Studies of Irrigation Laws.

The larger problems which the complete use of the western rivers is destined to create and the measure of public control which recent irrigation legislation renders inevitable gives added interest to the department's studies of the legal and economic phases of irrigation. The division of the water streams among farms scattered for hundreds of miles along their courses, so that each acre cultivated shall receive its just share of the common water supply, is one of the most complex administrative problems which confronts Western agriculture, and the establishment of titles to these streams by methods which shall prevent speculative appropriations of water and the creation of water monopolies is one of the imperative needs of the immediate future.

The larger opportunities which national aid affords should awaken the civic pride of the states benefited in seeing to it that not only in material development, but in their institutions the irrigation systems of this country rank among the foremost of the world.

#### Bureau of Forestry.

On July 1, 1901, the division of forestry became a bureau. It has therefore completed its first year under the new form of organization. The results obtained have amply justified the change and the increased appropriation which accompanied it. Interest in forestry and a perception of its possibilities as the means of making productive a great national resource have developed so swiftly in the United States that the discrepancy between the capacity for public service of this branch of the department of agriculture and its opportunities was never so great as it is now. During the past year the bureau of forestry has notably increased the store of knowledge on which all forestry depends, and has made large gain in introducing practical management of forests, both of public and private ownership. Its field work has engaged 162 men, and has been carried on in 42 states and territories.

#### Organization of the Bureau.

The work of the bureau of forestry is organized along four lines: Forest management, forest investigation, records, and tree planting.

#### Irrigation Investigations.

Two causes have operated during the past year to increase the interest in the department's work for irrigated agriculture. One was the desire of the arid states for the creation of conditions which will result in the largest and best use of the water supply, and the other the drought which prevailed throughout the middle West in 1901 and in the South during 1901 and the present year. As a result of this interest, requests for information and advice have been far more numerous than ever before, and it is only through the increased appropriation made by the last congress and the better organization of the work that these demands have been met.

The distribution and use of western rivers require that the irrigation industry shall be organized, and in order to provide for this it is necessary that there be a better understanding of the subject than now exists. The first need is for the facts. We need to know how much water is being used, where it is being used, how much water is required for the maturing of crops, how it can be distributed

with the least loss, and how applied to the best advantage. This information the department is securing and disseminating through this investigation, and in doing this it has enlisted in its service many of the leading irrigation engineers and scientists of the arid states. The services of these men would have involved a prohibitory expense if it had been necessary to employ them continuously, but through co-operative arrangements with the state agricultural colleges and experiment stations and the state engineer's office the scope of both local and national investigations has been broadened and made more effective, while the outlay to each of the parties to these arrangements has been greatly reduced.

#### Range Improvements.

The investigations in this branch of work have shown that the depleted western ranges may be brought back to their original productivity by proper methods of range management. Heretofore this work has been confined to small experimental areas. We have now progressed to the point where it becomes necessary to co-operate with stockmen in the actual management of selected areas of range lands. To do this it is necessary that we control the grazing of stock on such areas. To this end I repeat my former recommendation, namely, that action be taken by congress giving the president authority to secure for the experimental needs of this department such tracts of public range lands as may be necessary for the best interests of the work.

#### A Million Voices

Could hardly express the thanks of Homer Hall, of West Point, Ia. Listen why: A severe cold had settled on his lungs, causing a most obstinate cough. Several physicians said he had consumption, but could not help him. When all thought he was doomed he began to use Dr. King's New Discovery for Consumption and writes—"It completely cured me and saved my life. I now weigh 227 lbs." It's positively guaranteed for coughs, colds and lung troubles. Price 50c and \$1.00. Trial bottles free at Tallman & Co.'s drug store.

#### Correspondents Wanted.

The East Oregonian desires a correspondent in every town and locality of the county. Regular newspaper rates will be paid for all items. Special rates for exclusive news of importance. Write for further particulars.

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## A. O. U. W. LODGE

UMATILLA TOWN HAS  
LARGEST YET ORGANIZED.

Pilot Rock Lodge A. O. U. W., the Largest Charter Membership Organization in Eastern Oregon.

Pilot Rock, Dec. 5.—M. G. Wilkins, D. G. M. W., of the state grand lodge, A. O. U. W., assisted by Captain B. F. Devinney, of Pendleton, organized a local lodge of the A. O. U. W. at this place Wednesday night at Knott's hall. A team from Pendleton, consisting of Charles Otterstedt, Peter Peterson and T. W. Reeves, assisted in the organization. There were 42 charter members initiated. It is the largest membership ever recorded in this part of the state, at organization, and the new lodge starts out with exceedingly bright prospects. Insurance aggregating \$78,000, was issued to the members and a strong working team was organized for future initiations. After completing this organization, a lodge of the Degree of Honor was organized by Captain B. F. Devinney, assisted by M. G. Wilkins. There are 32 beneficiary and 16 social members of this lodge, which starts off with hopeful prospects.

The officers of Pilot Rock Lodge are Lee Gard, P. M.; J. S. Cherry, W. M.; L. I. Gault, foreman; S. Stone, overseer; W. T. Harrison, recorder; Clark Sturtevant, financier; A. C. Hemphill, receiver; R. A. Waldron, guide watchman; Clyde Gard, inside watchman; Ed Howe, outside watchman.

The officers of the Degree of Honor are Mrs. Alice Gard, P. C.; Frona Cherry, C. of H.; Mrs. Smith, L. of H.; Mrs. May Roy, C. of C.; Mrs. Myrtle Sturtevant, R.; Mrs. Effie Gault, financier; Eleanor Royer, receiver; Mrs. A. C. Hemphill, lady usher; Mrs. Ackner, inside watch; Ed Masterson, outside watch; right maid of honor, Miss Effie Oleott; left maid of honor, Miss Nannie Smith; J. S. Cherry, adviser to chief of honor.

#### STATE OF OHIO, CITY OF TOLEDO, ss.

LUCAS COUNTY.

Frank J. Cheney makes oath that he is the senior partner of the firm of F. J. Cheney & Co., doing business in the city of Toledo, county and state aforesaid, and that said firm will pay the sum of One Hundred Dollars for each and every case of Catarrh that cannot be cured by the use of Hall's Catarrh Cure.

Sworn to before me and subscribed in my presence this 6th day of December, A. D. 1896.

A. W. GLASBURN, Notary Public.

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St. Paul Fast Mail 8:15 a. m. via Spokane.	Walla Walla, Lewiston, Spokane, Walla, Pullman, Missoula, St. Paul, Duluth, Milwaukee, Chicago and East.
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