

SCIENCE—INDUSTRY.

Fallacious Weather Forecasting.

The chief of the United States weather bureau stated recently that in the opinion of the bureau a new system of long range weather forecasting, which has been widely discussed lately, was quite fallacious. The new system is said to be based on the spotlessness of the sun and shifts of solar radiation. In the opinion of the weather bureau, it belongs to the same class with other methods of long range weather forecasting based on lunar, planetary, magnetic and astronomical considerations. None of these systems, it is said, has any scientific value. The United States weather bureau itself is the authorized agency of the government to collect meteorological observations and make and issue weather forecasts and warnings. Every important nation of the world has a similar organization, and all use essentially the same methods. All of these organizations condemn and disprove the methods and theories of those who assert that they are able to predict the weather for any considerable period in advance.

Catalpa a Useful Wood.

Catalpa trees furnish the most desirable posts on the market. In the opinion of C. A. Scott, Kansas state forester, when the trees are cut while they are in a perfectly healthy condition, whatever their size, and the posts thoroughly seasoned before they are set, the wood is durable and satisfactory for fencepost purposes. The wood is light, but strong enough to resist the required strain of the fence, and it holds staples satisfactorily. The posts are clean, smooth, pleasing in appearance and easily handled. In general repair work on the farm the catalpa is a serviceable wood. It has been used with entire satisfaction for tangles on all sorts of implements and vehicles and for doubleless, slat-trees and neck poles.

Electric Fly Killer.

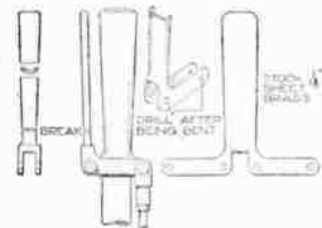
A new device for catching flies is being added to the equipment of a number of hotels in preparation for the summer season. It consists of an electric motor which draws the flies up by "strong current" to a plate. Mosquitoes or unwanted insects are attracted on the edges to draw them to the vicinity. As the flies alight upon the plate a strong suction draws them and quickly drops them into a steel cage in the bottom of the plate. This machine has a device which enables it to capture over 100 flies a minute. It will clear a fly-infested room in a few minutes and can be easily carried from one room to another and operated from the plug supplying the current for electric light.

Cassiterite in California.

A description of an occurrence of cassiterite (tin) in San Diego county, Cal., has recently been published by the United States geological survey as bulletin 620-P. Mr. Walter T. Schaller, the author, has recently visited the locality, but does not consider the deposit of industrial importance. A small quantity of cassiterite was found near Oak Grove, San Diego county. In the spring of 1915, all the cassiterite so far obtained. The reason, however, offers possibilities in the tin miner. The same possible tin in which the cassiterite crystals were found has yielded blue tourmaline and columbite.

Repair For Broken Brake Handle.

The handle on the brake lever of an automobile broke at the point indicated in the illustration, and, knowing that the break was due to faulty design, I decided to make a new, entirely different handle.



METHOD OF REPAIRING BROKEN LEVER. Broken handle, with a corresponding of Popular Mechanics.

A piece of sheet brass, one-eighth of an inch thick, was procured and cut to the proper size and shape, the dimensions being taken from the two portions of the broken handle. The four holes shown were not drilled until the piece was bent into shape. After fitting the new handle it was carefully lapped and polished.

Railroad Brakes.

When brakes have been refined it is often difficult to get them to hold properly. This is due to the fact that the lining blocks placed against the wheels a little oil applied to the wheels. As such a case will help to produce the desired frictional surface. This will not be apparent immediately, but after the train has been applied a few times will produce the desired effect.

Care of Spark Plug.

The porcelain of the spark plug will sometimes crack and permit a short circuit within the plug. This is often hard to detect unless the porcelain is removed and carefully examined. The slightest indication of a fracture is sufficient to condemn the plug.

Big Electrical Range.

The biggest electrical range in the world, installed in the State hospital, Warren Springs, Mont., costs nearly for 1,500 persons daily.

TO PREVENT TAX EATING.

(Oregonian).

The voters of Oregon have had offered to them in the past numerous constitutional amendments proposing experiments in taxation. The expense of putting such measures on the ballot does not seem to be a great obstacle. The man who has money along with a hobby is always ready to contribute to try out his scheme. But when an amendment designed to fit in with the existing taxing system and limit the powers of taxing authorities to increase the burden of the taxpayers is offered, its main support is resolutions and resolutions rather than money.

The State Taxpayers' League is now making an effort to present an amendment which is not experimental nor visionary, but a plain, straightforward limitation on the power of taxation. It has the endorsement of the bureau of legislation and taxation of the Portland Chamber of Commerce and of other responsible organizations. But some difficulty is found in getting petition signatures. The funds available to the Taxpayers' League are not sufficient to pay collectors. It is a measure that ought to be in the hands of the legislature, which finds itself without time to consider the matter. The highway engineer mess offers an object lesson in those who are trusting to the legislature to bring relief to our taxpayers through consolidation of boards and commissions.

A few public spirited citizens who were desirous of securing legislation which would bring about a reduction in tax burdens have had carefully drawn, and are now presenting to the people through the initiative, an amendment to our constitution which would work to keep our public expenditures within bounds and forever put an end to those extravagances which have in the past placed such unjust and unwarranted burdens upon taxpayers.

This amendment if submitted to the people will undoubtedly carry by an overwhelming vote, but owing to the lack of co-operation on the part of the public in the matter of securing signatures to petitions there is danger that it will fail to get on the ballot.

The amendment ought to be of sufficient interest to the people to induce them to volunteer to secure signatures.

LODGE CARDS

R. P. O. Elks, Roseburg Lodge No. 324—Holds regular communications at the Elks' Temple on the 2nd and 4th Thursdays of each month. All members requested to attend regularly, and all visitors brothers are cordially invited to attend. E. B. STEWART, E. R. IRA B. RIDGEL, Sec.

EAGLES, Roseburg 476 meets in their hall on Jackson St. on 2nd and 4th Mondays evenings of each month, at 8 o'clock. Visit brethren in good standing always welcome. HOWARD HESS, W. P. R. E. GOODMAN, W. Sec. Phone M 153.

WOMEN OF WOODCHAMP, Little Circle No. 49—Meets on the 1st and 3rd Mondays evening of each month at Odd Fellows' Hall. Visiting members in good standing are invited to attend. LENA BERN, G. N. CLARA CRAWFELD, Clerk.

C. O. O. F., Philatristan Lodge No. 8—Meets in Odd Fellows' Temple, corner Jackson and Olive Sts., on Saturday evening of each week. Members of the order in good standing are invited to attend. O. H. PICKENS, W. P. J. B. BAILEY, E. R. M. M. MILLER, R. S.

D. E. S., Roseburg Chapter No. 8—Holds their regular meetings on the 1st and 3rd Thursdays of each month. Visiting members in good standing are respectfully invited to attend. MARIE A. RITER, W. M. FREE JOHNSON, Sec.

REBEKAH, Roseburg Rebekah Lodge No. 41, I. O. O. F.—Meets in Odd Fellows' Temple every Tuesday evening. Visiting sisters and brethren invited to attend. MRS. ETTIE S. HOWARD, N. G. MRS. TILLIE JOHNSON, Sec. ELSIE HUMPHREY, E. S.

I. O. O. F., Rising Star Lodge No. 174 meets in the Odd Fellows' Temple every Friday evening. Visiting brethren always welcome. J. H. HARRIS, N. G. CARL C. GUNTER, E. S. M. PICKLES, P. S.

LOYAL ORDER OF MOOSE, Roseburg Lodge No. 1627—Meets Monday evening of each week, at 8 o'clock in Magistrate's hall. All visiting brothers are invited to attend. W. J. MOON, Initiator. H. O. FARGETER, Sec.

WOODMEN OF THE WORLD, Oak Camp No. 124—Meets in the Odd Fellows' hall in Roseburg every 1st & 3rd Monday evenings. Visiting neighbors always welcome. CARL C. GUNTER, E. S. M. M. MILLER, Clerk.

K. OF P. LODGE—Alpha Lodge No. 47 meets every Wednesday evening in I. O. O. F. hall. Visiting Knights always welcome. Pay dues to Roy F. Durbin, M. of P., at "Lads for Men" store. J. J. ROCHADEL, C. C. E. E. WENDLER, E. R. S.

A. F. & A. M., Laurel Lodge No. 18 Regular Communications 2nd and 4th Wednesdays each month at Masonic Temple, Roseburg, Ore. Visitors welcome. R. D. WILLIAMS, W. M. W. P. HARRIS, Sec.

I. O. O. F., Union Encampment No. 9—Meets in Odd Fellows' Temple, every Thursday evening. Visiting brethren always welcome. J. E. RADLEY, C. P. E. S. ROCHADEL, E. R. S. J. B. BAILEY, E. R. JAMES EWART, P. S.

Live advertisements offer the best bargain. Patronize Review advertisements.

Local voters voting upon the question may authorize further increase. Any unusual demand upon the public funds caused by disaster or other unforeseen agency may thus be met. It is a measure that ought to go on the ballot.

Taking Big Chances.

It is a great risk to travel without a bottle of Chamberlain's Colic, Cholera and Diarrhoea Remedy, as this preparation cannot be obtained on trains or steamships. Attacks of bowel complaint are often sudden and very severe, and everyone should go prepared for them. Obtainable everywhere.

SIGNATURES NEEDED.

Portland Journal: It is hard to find a man who is not demanding a reduction in his tax burdens. Yet, when it comes down to the organization of any constructive movement along these lines it is only with difficulty that support sufficient to insure success can be enlisted.

There is a continual cry for a reduction of state boards and commissions, yet through the failure of citizens to get together and work out some constructive program the matter is always left to the legislature, which finds itself without time to consider the matter. The highway engineer mess offers an object lesson in those who are trusting to the legislature to bring relief to our taxpayers through consolidation of boards and commissions.

A few public spirited citizens who were desirous of securing legislation which would bring about a reduction in tax burdens have had carefully drawn, and are now presenting to the people through the initiative, an amendment to our constitution which would work to keep our public expenditures within bounds and forever put an end to those extravagances which have in the past placed such unjust and unwarranted burdens upon taxpayers.

This amendment if submitted to the people will undoubtedly carry by an overwhelming vote, but owing to the lack of co-operation on the part of the public in the matter of securing signatures to petitions there is danger that it will fail to get on the ballot.

The amendment ought to be of sufficient interest to the people to induce them to volunteer to secure signatures.

LOOK GOOD—FEEL GOOD.

No one can either feel good nor look good while suffering from constipation. Get rid of that tired, dragging, hollow feeling by a treatment of Dr. King's New Discovery. Buy a box today, take one or two pills to-night. In the morning that stuffed, full feeling is gone and you feel better at once. 25c. at your druggist.

Review Want Ads bring results.

OFFICER THOUGHT ROBBER.

CARTHAGE, Mo., July 12.—Chief of Detectives Bartholomew, of Joplin, testified today at the trial of John Amos Hooper, charged with murdering Special Police Officer James Wells, that Hooper confessed to the shooting after his arrest at Joplin. According to Bartholomew, Hooper told the officer that he did not know Wells was a policeman, but thought him a robber.

FRANK CAIN HERE.

Frank Cain, formerly county surveyor of Douglas county, but for some time past of Idaho, arrived in Roseburg last evening to pass a few days on business. Mr. Cain will later return to Idaho, where he expects to locate permanently. He reports business good in Idaho as well as in parts of Eastern Oregon.

Billfulness and Stomach Trouble.

"Two years ago I suffered from frequent attacks of stomach trouble and billfulness," writes Miss Emma Verbeke, Lima, Ohio. "I could eat very little food that seemed to do me any good. I became so thin and sick at my stomach at times that I had to take hold of something to keep from falling. Seeing Chamberlain's Tablets advertised I decided to try them. I improved rapidly. Obtainable everywhere."

ISSUE IS EXPLAINED.

Land Office War Probably Handle Railroad Lands.

That the Oregon & California Railroad Land Grant will be administered by the Land Office and not by the Forest Service is indicated by a letter from Clay Tallman to R. E. Smith, editor of the Tax Liberator, and secretary of the State Taxpayers' League.

At the annual meeting of the State Taxpayers' League recently a resolution was adopted wherein the League asked the members of Congress to inform taxation, make early disposition of the land and keep them from the control of the Forest Service. Copies of this resolution were sent to the members of the Oregon delegation, to members of the Public Land committees and to the Commissioner of the General Land Office. The reply of Commissioner Tallman follows:

"I am in receipt of your favor of the 2nd inst., enclosing a copy of a resolution adopted by the State Taxpayers' League relative to the United States lands in the Oregon and California Land Grant now the subject of pending legislation. You invite my attention to the following clause in Sec. 2 of said resolution:

"* * * and that no part thereof be permitted to come under the control or administration of the 'Forest Service'."

"It would appear from the statement made in your letter that this

expression on behalf of the Taxpayers' League has its origin in the understanding that in the proposed legislation, now pending before Congress, the Secretary of the Interior will be required to act in cooperation with the Secretary of Agriculture. Speaking to this point, you say:

"The delegates at the annual meeting were unanimous in their recommendation that the Oregon and California Railroad Land Grant come under the jurisdiction of the Forest Service in any way, shape or manner, either directly or indirectly, and that the entire grant be handled by the Department of the Interior exclusively."

"Enclosed herewith I hand you a copy of House Bill 14861, also the report of the House Committee on Public Lands on said bill. This bill was reported out of the Committee unanimously, as you will see, after very full and extensive hearings, in which all of the various measures introduced in Congress were fully considered, and after all parties, who desired to be heard, were given full opportunity to present their views, substantially as set forth in the above-mentioned report. The bill is now before the Senate, and the Secretary of Agriculture and the Secretary of the Interior, all of which are fully set forth in the report of said committee."

I think you will find from an examination of the bill that the appointment of the Taxpayers' League with regard to the administration of this proposed act are entirely unfounded. It is now that in Sec. 2 of the bill the Secretary of the Interior is authorized to classify the lands in cooperation with the Secretary of Agriculture, or otherwise, and again that in Sec. 4, it is provided the Interior shall be sold by the Secretary of the Interior in cooperation with the Secretary of Agriculture, or otherwise. The burden, however, of classifying the land and the subsequent sale of the timber, is imposed upon the Secretary of the Interior who, however, avail himself under these provisions of the experience and judgment of the Secretary of Agriculture in the interior of economical and effective administration. You will observe that in the sale of the timber it is the Secretary of the Interior who is authorized to determine when such sale shall be held, the manner of sale, the terms thereof and the quantity of timber to be sold."

"Your attention is also invited to Sec. 11 of the bill which specifically confers upon the Secretary of the Interior authority and jurisdiction to perform any and all acts necessary to the proper administration of the law in the event of its adoption by Congress. 'Whatever reason may have led the Taxpayers' League to adopt this resolution, I think the bill as it now stands is a sufficient answer thereto.'"

Very respectfully,
CLAY TALLMAN,
Commissioner.

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The Signature of

Chas. H. Fletcher.

is the only guarantee that you have the

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