

HOW TO READ THE ELECTRIC METER

Simple Method for Kilowatt Hours Consumed During the Month.

Reading the electric light meter is one thing, and understanding just how it operates is quite another. How many of us who have electric and gas meters in the house can explain how they operate?

The electric meter is really a tiny electric motor, of the most delicate structure and the best workmanship housed in a little-iron and glass box. The revolving part of the meter is an aluminum disk mounted between two electromagnets through which the current to be measured is passed. The current in the magnets induces a current in the disk and this current flowing in the field of the electric magnets causes the disk to revolve with a speed directly proportional to the amount of current that is passing through the magnets. With each complete revolution of the disk a black band is seen to pass the glass-covered aperture in the face of the meter box, and a definite number of revolutions of the disk indicate that one kilowatt-hour of electricity has passed through the meter.

There are four dials on the face of the meter box and the disk is geared to them in such a way that when one kilowatt-hour passed through the meter the disk revolves a sufficient number of times to cause the indicator of the right-hand dial will move from zero to one in measuring one kilowatt-hour of electricity.

In reading a dial of a meter it is necessary to read the number last passed by the pointer. This is important for accurate reading. On a given day the dial farthest to the right is read and the number set down. Then the next dial to the left is read and the number is written just to the left of the first number, and so on until the four readings have been taken and recorded. The numbers are not added together but are read as one whole number just as they stand.

As an example, suppose the pointer to the left-hand dial has just passed four, the hand of the second dial is between the one and two, the third is

Fire Wardens Named

C. C. Chitwood, supervisor Fire Warden of Lake and Klamath Counties, has recently announced the appointment of State Fire Wardens in Lake County as follows: Ralph Jamison, Silver Lake; Lawrence Frizzell, Silver Lake; W. O. Harriman, Fort Rock; and W. H. Shirk, Lakeview. Forest Service Wardens appointed State Wardens in this county: Reginald A. Bradley, Lakeview; Jason S. Elder, Paisley; W. O. Harriman, Fort Rock; Scott McComb, Silver Lake; Norman C. White, Lakeview; Daniel F. Brennan, Lakeview; Lawrence Frizzell, Ralph Jamison, Silver Lake; and Chas. W. Weyburn, Summer Lake.

Warden Chitwood also advises that timber land owners should familiarize themselves with the provisions of the Oregon Forest Fire Laws, and when in doubt on any point ask your nearest Fire Warden. Attention of hunters and campers is called to the necessity of being careful with camp fires.

Bond Wool Sale

Bond Bulletin: After having been postponed twice owing to delay in the arrival of clips, the local wool sale was held Saturday, nearly 150,000 pounds being disposed of. Previous to the sale approximately 80,000 pounds had been sold, and there are three clips which will total something like 70,000 pounds remaining unsold.

The highest price paid was 13 1/8 cents and the lowest 9 1/4 cents. The average was 11 cents. The lowness of the price was due, in a large measure, to the lateness of the sale.

between three and four, and the pointer of the fourth or right-hand dial is between two and three. Then the meter reads four, one, three, two and four thousand, one hundred and thirty two kilowatt-hours have passed through it since it started from zero. The right-hand dial registers kilowatt-hours singly, the next dial registers them by tens, the third by hundreds, and the fourth or left-hand dial thousands. In every case the number printed above the dial is the number of units registered by one complete revolution of the dial hand. The reading of the previous month is subtracted from the new reading in the resulting number is the amount of power consumed during the month in terms of kilowatt-hours. If the resident's rate is twelve cents per kilowatt-hour a simple multiplication gives the amount of the month's bill.

TO PROBE PROFITS ON FARM PRODUCE

Experts Will Suggest Plans For Ideal Market Houses.

TO STUDY QUESTION IN FULL

Department of Agriculture Specialists in Direct and Co-operative Dealings, Transportation and Marketing of Perishable Produce.

It is announced that the department of agriculture through its office of markets will shortly begin a thorough study of what happens to produce from the time it leaves the producer to the time it reaches the consumer. A specialist on marketing perishable produce will investigate prices received by producers, cost of transportation and storage, change of ownership, accumulated charges, profits and other elements. This specialist will then study conditions in various sections to determine the feasibility of a market news service dealing with perishable prod-



IDEAL MARKET IN DETROIT. Courtesy American City.

ucts and also the best methods of making statistics of supply and demand useful to the farmer or truck gardener. The question of market houses will be considered, and advice as to the best and most sanitary form of market will be made. Communities will be advised to adopt the co-operative idea in marketing. The little store on the street where all produce is exposed to the dust and germs is condemned.

The specialists will give attention to studying co-operative organizations of producers and consumers, including co-operative marketing associations of farmers and buyers, co-operative stores, etc. They will make intensive studies of typical communities dealing with special products and will assist in the formation of new co-operative enterprises. An expert in co-operative accounting will assist such organizations to keep their books and records effectively, establish cost systems and follow up methods of handling goods en route and on sale.

Co-operating with the other investigators will be specialists in transportation—men who have had as much railroad shipping experience as division freight agents—who will assist producers in securing proper freight rates and will discuss questions of extending facilities, determination of



AN INSANITARY MARKET.

rates, routing and other matters concerned with the speedy and cheap moving of produce to centers.

Special attention is to be given to the milling, marketing and utilization of cotton seed. A specialist in this line will gather full information necessary for the successful organization and operation of oil mills by co-operating producers. He will also endeavor to find new uses and new applications for cotton seed and its manufactured products.

Other specialists—thoroughly familiar with the marketing of cotton in Texas, Arkansas and Oklahoma and other cotton states will devote their attention to improving trade in cotton and devising improved methods of handling and selling cotton and seed cotton.

Water Under Pressure

Silver Lake Leader: Last Saturday while working in a well on Mrs. Ronk's place a gusher was struck which blew the auger out of the well, and before the helper could get a ladder down to the party that was digging, he was almost drowned.

Later—it was learned that Tom Nelson and L. E. Fields were digging the well for Mrs. Ronk near the Swingle homestead and when down 30 feet, Mr. Fields took a two-inch auger and was boring down to see if water was near at hand and after going down about three or four feet the water was struck. There was pressure enough to blow the auger from the hole and threw water to a height of ten feet, which gave Mr. Fields a first class shower bath. The water raised to about ten feet in the well in a very few minutes.

Oregon Peaches to Europe

An experiment in the long-distance shipment of perishable fruit is about to be tried within a few days. An entire carload of peaches is to be dispatched to Europe from the Yakima country, and in this shipment only the finest selected Elbertas will be used. While the regulation boxes will be used, the layers of fruit will be separated by a cushion of wood fibre as a protection against rough handling and possible damage. If this trial shipment proves a success, it is probable that an extensive business in peaches will be developed by Pacific Northwest fruit exchanges. It is likely that the opening of the Panama-Canal will result in increased movement of the softer varieties of fruit, as they can then be shipped direct with a consequent saving in time.

Condemns Carey Act

According to a statement recently made by Governor West, the Carey irrigation act has not produced the results in Oregon that its friends anticipated for it. Such was the information the chief executive gave out after making a tour of investigation of the work in eastern part of state. He states that if the arid lands of Oregon are to be reclaimed at a reasonable cost, the work must be done by the state or Federal Government or through their co-operation. The Governor says the irrigation projects are so large and difficult that private concerns will not undertake them unless they are convinced that enormous profits can be made.

O-W. R. & N. Equipment

One thousand new freight cars ordered by the O-W. R. & N. Co., in anticipation of a heavy demand for cars to move the large crops this fall, are now being turned out by the car builders and are arriving at the various reserve stations of that Company in Oregon and Washington at the rate of 50 cars a day. The delivery began on August 1 and the entire 1000 cars will probably be ready for use before the harvest.

"With this order of 1000 new cars," says Mr. F. W. Robinson, Assistant Traffic Manager, "and an additional 2000 just delivered to the Union Pacific, we are confident that we will have plenty of rolling stock for all emergencies this year."

"The greatest need for cars in crop-moving time is about the middle of October. As delivery of all the new rolling stock will be made by September 1, we expect to be ready for any contingency."

"The new boxcars are all 40 feet long and of 100,000 pounds capacity. This is the standard size adopted by the company."

"The Pacific Fruit Express has also ordered 200 additional refrigerator cars, which will bring its total number to 13,000. This will greatly facilitate the moving of fruit crops."

At present the O-W. R. & N. Co. is arranging for the parking of freight cars at points where they will be quickly available after the harvest.

A most favorable omen in connection with the important problem of car supply is the better understanding that now prevails among shippers in general in the matter of capacity loading and reduction to minimum of lost time in loading and unloading.

To bring this about a most persistent and far reaching propaganda has been conducted throughout the year, not only by railroad traffic departments in the way of direct instructions to agents, but by traffic bureaus in all large commercial centers, and by the Bureau of Railway Economics at the National capital, till it is fairly safe to say that every shipper and agent in the land is alive to its importance. It is believed that the indifference and thoughtlessness of past seasons will be supplanted this year and in future by hearty co-operation, and that car shortage, except on ordinary occasions, will be largely obviated.

The Silver Lake Leader states that A. L. Westgard, Vice-president of the National Highways Association who recently passed through Lakeview, spoke very highly of the condition of the roads from New Pine Creek to that place excepting that over the Summer Lake hill which he said was in a bad condition.

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Fares and schedules and details will be furnished on application or by letter.

R. H. CROZIER, Asst. Gen'l Pass. Agent, Portland, Ore.
J. H. CORBETT, Agent, Bend, Ore.
W. C. WILKES, Asst. Gen. Frt. & Pass. Agent, Portland, Ore.