

Week Nov. 29 to Dec. 4

# Electrical Prosperity Week

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## UNCLE SAM'S ELECTRIC TOWING LOCOMOTIVES

The vessels using the Panama Canal will be towed through the Gatun Miraflores, and Pedro Miguel locks by electric towing locomotives of special design.

Ships will be towed through the locks at a speed of two miles an hour, four locomotives being required for each ship. According to the plans, a ship will come to a full stop in the main or forebay of the locks, and four haulers will be attached, two forward and two astern. Four locomotives, two on a side, forward and astern, will take these haulers and while the two forward locomotives tow the vessel through the locks, the rear locomotives drawn along by the haulers to which they are attached will hold it steady and prevent it from bumping against the canal walls.

There will be two systems of track on each side of the locks, one for towing, and the other for the return of the locomotives. The towing track will be provided with a rack throughout its entire length, and the locomotives, while towing, will be operated as rack locomotives. They will be operated on the return tracks as simple friction locomotives. The operation of rack locomotives will be at a speed of two miles an hour. The rack pinions, to which motion is communicated by a system of gears in which there are no clutches, are of quill construction and are mounted on the back axle of each of the two sets of trucks.

The central portion of each locomotive carries a windlass to which the hauler is attached, and a traction motor with control apparatus is mounted above each track. Two operating cables are provided, one at either end, and the locomotive may be operated from either. The power rail will be located at one side of the track in an open conduit.

**FOR TRADE**—Good milk cow for a horse. Dan Moran, near North Albany school house, R. D. 4. n29-d1

**WANTS WORK**—Lady wants work by day or hour. Home phone, 3489. n29f

**FOR SALE**—Cheap, second hand roadster. Call at Tyler-George garage, Second and Ellsworth Sts. n26 d3

**WANTED**—Position to do general housework. Call Home phone 3118. n27-d4\*

**FOR EXCHANGE**—17 Acres Santiam bottom land near Jefferson, has house, barn, and all outbuildings. Several acres in apples, peaches, cherries and peaches. Want Albany residence. Must act quick. See Fish & Hodges, Albany, Ore. n27-d4

Up to Jan. 1st, 1916, we will give 10 per cent. off on Bicycles, and 15 per cent. off on Tires, Baltimore Gun & Bicycle Works. n24-d1

**New Today**  
Whitney's jitney station will be open all day Sunday. Three jitneys. Call 71 both phones. n27-30

Save by buying a ticket. \$1.50 ticket for \$1.25. New Elite. n25f—adv

Baby Carriage Tires put on at Baltimore's. n24-d1

If you can't go to the game between O. A. C. and Syracuse Wednesday afternoon, go to Billy Eagles' and see it on paper as it progresses. n29-30

## THE HUMAN BODY AS AN ELECTRICAL MACHINE.

What a Cent's Worth of Electricity Will Do.

- 1. Run a 12-inch electric fan for 20 minutes.
- 2. Run a sewing machine motor for three hours.
- 3. Operate a massage machine for 3 1/2 hours.
- 4. Keep the electric dental lamp burning for 90 minutes.
- 5. Play an electric piano for one hour.
- 6. Pump 250 gallons of water 100 feet high.
- 7. Clip one horse.
- 8. Groom two horses.
- 9. Raise 10 tons 12 feet high in less than one minute.
- 10. Raise a large passenger elevator or, loaded, five stories in one minute.
- 11. Grind 10 bushels of ear corn.
- 12. Grind 20 bushels of shelled corn.
- 13. Crack 60 bushels of corn.
- 14. Shell 100 bushels of corn.
- 15. Roll 200 bushels of corn.
- 16. Cut 50 pounds of fodder.
- 17. Thrash 200 bushels of barley.
- 18. Separate 500 pounds of milk.
- 19. Grind 75 pounds of sausage.
- 20. Clean 500 square feet of carpet.

## THE HUMAN BODY AS AN ELECTRICAL MACHINE.

One does not fancy the human body as an electric dynamo, but if the heat and muscular energy are expended by an average man of sedentary habits were converted into electric units, he would find himself in possession of quite a valuable asset. It is proved that a man uses up about two and one-half kilowatt hours of electric energy in a working day. Approximately one-half of this amount is used to keep the temperature of the body constant, while the other half is expended in muscular energy.

This amount of electric energy may not seem great, but when one considers the things that can be done when it is efficiently applied, the power of the human body is clearly seen. Two and one-half kilowatt hours of electricity is sufficient to maintain four 25-watt tungsten lamps of 20 candlepower each for 25 hours; or heat an electric flatiron for 6 hours; run a sewing machine motor for 100 hours; heat an electric heater for 2 hours; an electric curling iron for 100 hours; run a large fan for 32 hours, or warm a chafing dish for 10 hours.

## HINTS FOR USING A TOASTER STOVE.

**A Marshmallow Roast.**

A marshmallow roast appeals to every woman with a sweet tooth. An electric toaster stove affords the most convenient and safest method of preparing such a feast. Nearly every one remembers the burned fingers or flushed face one always acquired trying to brown the marshmallows before an open fire, but with an electric stove there are no burned fingers. Here the heat is localized, and this is a great advantage. Instead of sending a goodly proportion of the heat into the room, all the heat is concentrated, leaving the surrounding atmosphere cool and pleasant.

Fudge may also be just as easily made on an electric toaster stove. Boil one cup of milk and two cups of sugar in a saucepan placed directly on the toaster stove heater. Add two squares grated chocolate or five tablespoons cocoa and boil until a few drops of the mixture will harden in water. Turn off the current, add a tablespoonful of butter, and flavor with vanilla. Then beat until the fudge begins to sugar, and pour out into a buttered pan. Mark into squares.

A horse power is a mechanical term and is the energy required to raise 33,000 pounds one foot in one minute. Expressed in electrical terms it is equal to 746 watts or approximately three-fourths of a kilowatt.

To get the best light at the least cost utilize all the light you have, not wasting any of it.

In an experimental plant Hamburg will try to obtain power from the ebb and flow of the North Sea tides.

Why should your wife pedal that sewing machine when Electricity will do it for her at half cent an hour.

**We Are Albany Headquarters for Hotpoint and Universal Electrical Appliances**

**Hotpoint Irons \$3.50**  
Hotpoint and Universal Toasters, \$3.50  
Hotpoint and Universal percolators \$5.50 and up



**Chafing Dishes**  
Hotpoint and Universal. Prices \$10 and up



**ELECTRIC GRILLS**  
Hotpoint and Universal, prices \$3.50 to \$5

**Woodworth Drug Co.**  
124 West First Street

**New Goods Arriving Daily**  
We Redeem Hotpoint Home Book Coupons, Good for 15 per cent on all appliances.



**COFFEE PERCOLATORS.**  
Seamless Aluminum cannot taint coffee, attaches to any light socket.

**Prices \$8 and up**



**ELECTRIC TOASTERS**  
Everybody likes toast. Just the gift for those with toast appetites. Price with cord \$1.00 and up.




**SHELBY MAZDA LAMPS.**  
Consumes one-third as much current as the old carbon type lamps.

10 to 40 watt size — 30c ea.  
60 watt size — 40c ea.  
100 watt size — \$1.10 ea.

Let us equip your home today with these current-saving lamps.

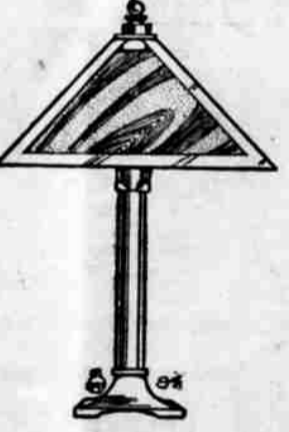
**Barker Hardware Company**  
216-218 West 1st Street

**The Suction Cleaner of Quality**  
Special Prices during Prosperity Week



**A Complete Stock from which to make a selection**

**\$3 to \$22**



**210 West Second St. Ralston Electric Supply Co. 210 West Second St.**

**American Beauty, General Electric, Westinghouse Hotpoint, Rite Heat**

**\$2.75 to \$5**

**Let us brighten up your home with a new fixture—new designs—moderate prices Excellent Values**



**We sell Westinghouse Mazda Lamps**

**210 West Second St. Ralston Electric Supply Co. 210 West Second St.**

**WE CELEBRATE ELECTRICAL PROSPERITY WEEK**  
November 29th to December 4th

**"Give Electrical Christmas Presents"** **COME CELEBRATE WITH US TO YOUR BENEFIT---TO YOUR PROFIT** **They Combine Charm and Utility**


**OREGON POWER CO.**  
306 WEST SECOND STREET

**Practical Presents for Christmas**  
**Electric Cleaners**

give pleasure to the recipients Christmas morning because for years they will lighten household burdens and promote household healthfulness.

See Suction Cleaner—A small compact light cleaner that does the work as well and as quickly as the big heavy ones. Price

**\$20**



**Fortmiller Furniture Co.**  
421-23 West 1st Street