

Electricity and Its Appliances First Aids to Homemakers

Ask the Woman Who Owns One



The average woman who has not bought an electric washer wonders, "Will it really wash clothes so spotlessly clean that it will satisfy my extreme demands?"

Heretofore women have invariably wanted an actual demonstration—with their own clothes—in their own home.

Today it is no longer necessary to PROVE to the purchaser of a high-grade automobile that it will actually RUN. When you buy an A-B-C Super Electric you have the same assurance of absolute, unflinching satisfaction as when you buy a Packard.

The A-B-C is the "Packard" of electric washing machines. We will send the Washing Machine to your home on free trial—Do your family washing with it—if you decided to purchase it we will arrange terms to suit you.

Webster Electric Co.

719 9th St. N. W.

Next to Rialto Theater
Phone Main 5150

ELECTRIC IRONING KILLS SACK MOTHS

California Walnut Growers Find Economic Way of Sterilizing Bags.

Ironing out the codling moth with an electric ironer seems a strange use for such apparatus intended strictly for the laundry, but the California Walnut Growers' Association has found it to be a very successful means of ridding walnut sacks of this pest.

Credit is due to D. B. Mackie, of the California State Commission of Horticulture, who hit upon the idea of using the electric ironer to sterilize the walnut sacks.

The ironers in use have been 46-inch rolls, driven by one-eighth horsepower motor. The ironing shoes are electrically heated, consuming 4,000 watts. It has been found that two



Safeguard Growing Eyes

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girls can run 500 sacks an hour through the ironer, making a cost of \$0.066 per sack for current. There are thirty-four ironers in operation at the present time and on order, and by another season this number will be greatly increased.

The packing houses of California open up a large field for the use of electricity as every branch of the industry has the problem of sterilizing lug boxes, containers against fungi and the many different insects that prey upon fruit and orchards. The codling moth has been the direct cause of as much as 40 per cent of the yield of some orchards being sold as culls and in one packing house the labor cost \$250 per day to cull out infected nuts.

PHONOGRAPH MUSIC BY AID OF ELECTRICITY



One of the most unusual electrical devices to be placed on the market recently is the phonograph turntable illuminator.

This modern contrivance consists of a small electric lamp, mounted on a base, in which are combined a socket, a reflector, and a switch. The accessory is intended to be attached to the inside of a talking-machine cabinet. Current is supplied by a three-cell dry battery.

PROPOSE LIGHT HOUSES TO GUIDE NIGHT FLIERS

Aviators have long felt the necessity for a light to guide them on their way, just as mariners have had provided for them.

It has been suggested that the light houses along the coast should be suggested to be placed on the market perpendicularly through the air as well as out to sea. Following the lines of this suggestion, and in order to make the North American continent safe for night flying, it is now suggested that light houses be erected in all large cities or wherever aerodromes are erected, whose lights shall be projected into the sky, these lights to be varied in color or in frequency, some would be stationary, some would be rotated, and the aviator would recognize by the color of the light, frequency of its flash, or its relative motion, just where he was. The aerodromes would all be indicated by a colored light to differentiate them from cities.

Powerful electric searchlights will be used for the purpose.

ELECTRIC DRIVE SHOWS MOTIVE POWER ECONOMY

A comparison of performance of the motive power of the New Mexico with that of other battleships, shows marked economy in favor of the electric drive. Thus at twelve knots speed the consumption in tons of oil per day was for the New Mexico (electric drive) seventy tons as compared with the Arizona for her cruising turbines 100 tons and main turbines 19, and for the Mississippi for her cruising turbines ninety-nine tons, and for her main turbines 115 tons of oil per day.

MANY NEW USES FOR X-RAY ARE DISCOVERED

New uses for the X-ray are described in a recent issue of the Journal of Electricity. The X-ray has been found very useful in the examination of timber up to eighteen inches thick. Internal knots, resin pockets, cracks, and grub holes can be easily detected—an invaluable aid in airplane construction.

Another important use of the X-ray is in ascertaining the purity of insulating materials for electrical use. Small metallic specks in fiber or mica, for instance, can be detected instantly.

TAKES 1,855 RUBS FOR WEEKLY WASH

Patient Salesman for Electric Laundry Machine Holds Counter on Laundress.

There is a young man associated with one of Cleveland's electric stores who deserves a medal for patience. We will not tell who this young man is, nor where he works, but we will say that he is a smiling, aggressive chap, and that his particular specialty is electric washing machines.

A few weeks ago a lady who was examining one of this salesman's washers asked him, "How much rubbing do clothes get on an ordinary washing board?"

That sounds like a simple enough question, but as a matter of fact, nobody, so far as could be learned, had ever stood by and kept an exact record of the rub-rub-rub of the washer-woman's sturdy arms. We all know, of course, that the old-fashioned method of making clothes clean consists in the application of "elbow grease" applied to a zinc-covered, corrugated board, but just how much energy or how many rubs, nobody knows!

Takes Count of Rubs.

So this patient, smiling salesman took the next Monday off, and with a small counter concealed in his hand, he watched the tubs in his apartment house, checking up the labor of the laundresses. The results were astounding as the following list shows:

- Sheets 20 rubs
- Table cloths 20 rubs
- Napkins 10 rubs
- Towels 20 rubs
- Bath towels 20 rubs
- Kitchen towels 10 rubs
- Handkerchiefs 20 rubs
- Aprons 15 rubs
- Petticoats 20 rubs
- Underwear 20 rubs
- Bedspreads 10 rubs
- Hosiery 10 rubs
- Dollies 50 rubs
- Bedspreads 50 rubs
- Bath mats 50 rubs

Now the ordinary family washing amounts to about the following: 4 sheets, or their equivalent; 4 sheets, 4 pillow cases, 2 tablecloths, 8 napkins, 4 dollies, 12 hand towels, 5 bath towels, 14 kitchen towels, 20 handkerchiefs, 3 suits of B. V. D.'s, 3 ladies' undergarments, 3 house aprons, 1 petticoat, 12 pairs of socks and stockings, 1 bedspread and 1 bath mat. Based on an estimate of the rubbing upon the schedule above, this weekly washing would require exactly 1,855 rubs. In a year the family clothing and linen would be given approximately 100,000 trips up and down the merciless washboard!

Means Much in Wear.

Think what 100,000 rubs means in wear and tear. Think how many fine linen handkerchiefs, how many cherished tablecloths and napkins would be wholly destroyed by this energetic process.

The salesman who secured these figures and who vouches for their accuracy, has sent his data to one of the country's well-known household bureaus for verification, and it is promised that we will soon have exact and complete statistics to show how long various articles last when washed by electric washing machines as compared with their "usual life" if washed on a rubbing board. When you some day see this data in one of the big women's journals, just remember that it was a clever Cleveland boy who "started the ball rolling"—maybe the very one who sold you your electric washer!

WHEN APPLIANCES ARE NOT USED, CUT CURRENT

The fundamental principle for the use of electrical appliances is this: When you are not continuously using any appliance, turn off the current. To do this, disconnect the flat iron, curling iron or other appliance by pulling out the plug. Do not be content with turning off the current at the lamp socket.

Today no household is complete without the electric iron, and there should be no question as to its proper and economical use. It is absolutely necessary that the current be completely cut off when the iron is not in constant use.

A great many electrical appliances, such as samovars, chafing dishes, percolators and water heaters are now equipped with fuse nuts which melt and automatically shut off current, thus preventing damage and the necessity for repairs. Even so, don't forget to disconnect the plug.

ELECTRIC FURNACES CERTAIN TO BE POPULAR

Wonderful progress in electric furnaces was made last year, as shown by the fact that the number of installations for this most efficient heating medium have more than doubled. More than one foundry has completely given over its plant to electric melting.

The electric furnace has not even begun to realize the possible applications in which some day it will be employed. The development of electricity as a lighting and power medium has been noted. Its development as the universal heating medium is about to come, this latter field of usefulness being the greatest of all three.

CUT SEWING IN HALF.

Sewing can be done in half the time on a machine that is operated by an electric motor.

A MAN'S WAY.

If a man did the ironing one thing is sure—all the irons would be electric.

Unusual Conveniences

A light up-stairs before you go up—A light down-stairs before you venture down—Light at the touch of your fingertip, anywhere, anytime!

The magazines abound in advertisements of electrical appliances which will wash, iron, cook, sew and clean for you if your house is wired for electricity.

With all these willing servants waiting to help it would seem but the part of good sense to arrange your home so that they can work for you.

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- Howard P. Foley Co. 1413 G St., Main 1135
- E. C. Gramm 1408 Eye St., Franklin 5016
- Home Electric Shop. 2203 14th St., North 4226
(J. D. Campbell, Mgr.)
- Arthur Lowe 3438 14th St. N. W., Col. 9610
- Modern Electric Shop. 1411 U St., North 2153
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