

**ELECTRICAL LIVING**

**What Modern Man Owes to Benjamin Franklin.**

**ENORMOUS INDUSTRIES MADE**

**The Mysterious Fluid Does Everything For Us From Milking a Cow to Melting the Hardest Metals—Great Factories to Supply Electrical Needs.**

NEW YORK, Dec. 31, 1907.—This is the motor age but even the casual observer has no difficulty in still discovering horses on New York's streets—indeed in finding them in such numbers as often to make the crossing of a thoroughfare something of a problem. The average person, of course, might naturally wonder why horses should not be seen there until his memory is jogged into recalling a statement of Thomas A. Edison's made last year, to the effect that by Christmas of 1908 the horse for commercial uses would have disappeared from metropolitan streets to make room for electric horseless carts, wagons, drays and all the other vehicles which handle the city's trade.

Yet if the metropolis has not arrived at an exclusively horseless age—or rather at that of electric transportation each New Year's day finds it a long way further on its progress toward the electrical era. The things that cannot be done by electricity now are hardly worth doing.

Indeed in all parts of the country the use of electricity and electrical apparatus is undoubtedly increasing by leaps and bounds. Whether it be milking a cow or creating a temperature of such intense heat as has never before been obtained—a mere trifle, perhaps, of 7200 degrees—the volatile agent lured from the clouds by Dr. Franklin is almost invariably called upon. In its commercial aspect, too, electricity permeates all business life. It is not surprising that the United States not only leads all countries of the world in manufacturing electrical apparatus, but also sends men abroad to do the construction work. In many of the most highly productive manufacturing districts of the United States electric power is being installed about ten times more generally than any other kind. The total of sales for 1907 is not yet available but those of 1906 of the three greatest producers of this field in the United States, and, therefore, of course in the world, the Western Electric Company, the General Electric and the Westinghouse Electric, reached and the enormous sum of more than \$160,000,000.

The product represented by this big total enters into the daily lives of all classes of Americans. Take, for example, the output of the Western Electric Company, the largest of the big three, whose sales alone last year approximated \$70,000,000. The great bulk of these

**Eat in Haste**

and repent with acute indigestion, heartburn, hiccoughs or flatulence. Then resolve never again to be without a box of these wonderful digestive correctives.

**Beecham's Pills**

Sold Everywhere. In boxes 15c. and 25c.

this labor if combined into a single instrument would create a monster telephone nearly 300 miles high and weighing almost 4000 tons—a colossal monument to the use of electricity in everyday life.

Other uses of electricity are almost too familiar to mention. The whole matter is still a scientific marvel. The business man in his office looks at an electric clock and takes an electric car to his home. An electric bell is at his door; electricity lights his house and perhaps warms it too; it may even cook his dinner. All the while the telephone keeps in touch with the world wherever he goes. Even the milk left at the door in the morning is handled by electric machinery in the dairy whence it comes; the flour in the bread is produced by electrical machinery; the cloth which covers one's body owes its debt to the subtle vibrating medium.

Indeed the time has apparently come when an old saying must be revised, for today, at any rate, it is electricity which makes the world go round although some scientists find that love is an affair of subtle electrical currents. Herein Uncle Sam has outstripped Cupid, and is again to the front. American industry in the production of electrical apparatus is conquering foreign fields. The Western Electric management, for example, has foreign plants and offices scattered throughout the world—in Japan, India, Africa—in scores of cities and dozens of countries is busily engaged in furnishing foreigners with apparatus for projecting conversations. For just as in the United States the manufacturing Associate of the Bell companies is busily engaged in enabling people to talk, so in foreign countries it is furnishing telephones for just the same purpose. A hundred different tongues may be spoken through these instruments, but they all bear the imprint of Uncle Sam's energy and all bear striking testimony to the manner in which electricity makes the commercial world go round.

During the latest year covered by federal reports electric transportation lines in the United States carried six times as many passengers as the steam lines, although the mileage of the latter was approximately eight times greater. Yankee push, which has built a trolley line to Egypt's pyramids, the earth's oldest monuments, is today carrying electric transportation all over the world. Every year through this agency alone the electrical age is being brought to new millions. Even in places which have heretofore been regarded as only semi-civilized, electricity, projected by American push, is bringing about a new era.

**GOING OUT OF BUSINESS**

Our entire stock consisting of Diamonds, Jewelry, Watches, Silverware, Clocks, Cutlery, Musical Goods, Guns, Pistols and Suit Cases must be sold within the next 30 days below actual cost.

We have bargains too numerous to mention.

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- \$12.00 Columbia Guitars
- Sale price \$5.75
- Fine toned Mandolins
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**ASSEMBLING SUBSCRIBERS' TELEPHONE EQUIPMENT.**  
The five thousand instruments produced each day in the Bell factories are made up into complete "stations" after the operating companies receive them.

consisted not in power plants or huge engines, but in that universal agent of everyday life—the ubiquitous telephone. More than \$85,000,000 worth of telephones and telephone supplies were produced in the United States last year and of this sum the Western Electric, manufacturer under the Bell patents, turned out by far the greater part. With the country sending over the wires something like 15,000,000,000 telephone talks every year, these figures give some indication of the extent to which through the telephone the whole country is being electrified.

At about the middle eighties when the Western Electric first began to turn out telephones the total output for the year was 60,000 instruments. Now at its gigantic factory in New York that total represents only two weeks' output, for the instruments are manufactured at the Chicago headquarters. The results of

So that electricity is indeed the greatest modern miracle worker. The telephone has come into so common use that some of the popular wonder at its marvelousness has disappeared. Yet it still remains a magical instrument, conferring on mankind a favor for even the suggestion of which people would have once been tortured.

In less known fields, too, electricity is working magic. There is the electrical furnace of which its inventor said that it would produce a temperature "twice as hot as Hades." Human nerves which find hundred degrees of heat unbearable and death producing can convey no idea of what a temperature of 7200 degrees means. Compared to this a bar of red hot iron is cool. The tremendous heat obtained by the electric furnace has made it possible to reduce to metallic form the element known as tantalum, so named because of the difficulty of

separating it from its ores. A curious and interesting substance, indeed. It is so hard that even the diamond, accepted the hardest element of all, makes little impression upon its surface. In a recent experiment a sheet of tantalum one-third of an inch thick was put under a diamond drill revolving 5,000 times a minute. At the end of three days of continuous boring, this drill, which cut into ordinary substances as though they were putty, had not gone through more than one-third of the plate. As a matter of fact the diamond was just about as much worn as the tantalum.

And this new substance which the wizard electricity has produced will itself be used in the electrical industry to supplant the present carbon filament in the electric lamp. Tantalum does not melt below 5200 degrees Fahrenheit and will therefore give a much better light than carbon, since an increase of only 200 degrees in the melting point of the material used for the filament nearly doubles the amount of light.

When all is said and done the arrival of the electric age means greater efficiency and power in all commercial fields. Horses may still be drawing loads in New York's streets in spite of Mr. Edison's prophecy, but as each New Year brings nearer the disappearance of coal and wood, the world gets further into the electric age whose future is assured as long as rivers shall continue to run down hill and develop the power compared to which the slaves of Aladdin's lamp were pygmies. Electricity has pretty nearly abolished distance with its two-mile a minute trains and its telephone connections which travel from New York to Chicago in less time than the human voice would take to go across an ordinary room. It has, in fact, given old father Time many knockout blows. An electrician of international note recently remarked, "The single agency of electricity has increased the span of mortal life, judged by what can be accomplished in it, to many times that of our forefathers. Judged either by communication, transportation or production, we, through electricity, can do more in an hour than could they in a day."

**SUCCEEDS IN FLYING.**

Will Now Make Attempt to Win \$10,000 Prize.

PARIS, Dec. 31.—Henry Farman yesterday succeeded in flying in a circle of about a kilometer with his aeroplane with the greatest ease. This is attrib-

ed to slight improvements which he made in his machine since his last attempts. Accordingly he has summoned the commission of the Aero Club to witness the attempt which he will offer for the machine which shall first succeed in sailing in the air a circle measuring a kilometer and which has already been tried for three times.

**Fever Sores.**

Fever sores and old chronic sores should not be healed entirely, but should be kept in healthy condition. This can be done by applying Chamberlain's Salve. This salve has no superior for this purpose. It is also most excellent for chapped hands, sore nipples, burns and diseases of the skin. For sale by Frank Hart and leading druggists.

**APPOINTS COMMITTEE.**

Italian Government Extending Work of Excavations.

Rome, Dec. 31.—The Italian government, wishing to carry out the work of excavation at Herculaneum, to which project Prof. Charles Waldstein has recalled the attention of the world, has appointed a committee composed of eight professors and engineers connected with the National Museum at Naples to direct the work and publish reports of their discoveries for the benefits of the scholars at home and abroad. The mayor of Rome has ordered suspension of the work on the Aurelian wall at Rome, wishing to examine into the nature of certain complaints that had been made.

**FACING PROBABLE LOSS.**

NEW YORK, Dec. 31.—Instead of the usual New Year's harvest sale of flowers, New Year's florists are this year facing probable losses from lack of demand for their offerings and are slashing prices right and left in the hope of disposing of a fair proportion of their stocks. Purchasers are reaping the benefit of the reductions, which in many cases is said to reach 50 per cent.

**TEA**

Moneyback means that the tea is good and well worth the money.

Can't mean anything else.

Your grocer returns your money if you don't like Schilling's Best; we pay him

**Stomach Trouble Cured.**

If you have any trouble with your stomach you should take Chamberlain's Stomach and Liver Tablets. Mr. J. P. Klote, of Edina, Mo., says: "I have used a great many different medicines for stomach trouble, but find Chamberlain's Stomach and Liver Tablets more beneficial than any other remedy I ever used." For sale by Frank Hart and leading druggists.

**Start the New Year Right...**

by having a good tailor take care of your clothes. It will be better for you, your clothes and your pocket-book.

If you can't call, ring up Main 3711 and I will send for your work.

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Hundreds of samples of up-to-date woollens to select from

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**The Shoe with a Sole that Don't Wear Out**

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