

In the Field of Electricity

A Mighty Power Plant.

turns out more of "the juice," as the motormon call lt, than world. lighting of Belmont tubes from Manhattan

straling its resources. The present equipment of the plant rep-

approximately \$5,000 bloctric horse-power Those who have marvelled at the size and power of the great locamotives which have lately been turned out to pull freight and passenger trains across the continent may get a better idea of how much power this is by the fact that it represents capacity of 200 of these locomotives.

The engine capacity of the plant could be increased easily at any time to 100,000horsepower, and space even then would be left within the structure that would permit of the installation of additional generators giving from 20,000 to 25.000-horsepower more, so that the plant as constructed by the Interforough company may be said to have a capacity of 125,000-horsepower. The subway is using today only about 50,000.

The engines that do all this work are

room. They are as they stand the greatest HE electrical power plant of the single exhibit of steam driven electrical Interborough Street Rallway generators to be found anywhere. There are company of greater New York, nine of these machines, each driven by an engine of from 9,000 to 11,000 horsepower. These generators turn out what the elecany other power plant in the tricians call a high alternating current. The opening and operation and This current goes through great cables to Notes. seven substations, one of which is now in to Brooklyn made a large draft on the Brooklyn, and in these stations it is turned power of the plant without materially into the direct current that is fed to the third rail and moves the trains.

Sandwiched in between the nine machines resents in engine capacity at normal rating that drive the trains are three turbo alternaters, as they are called, each of 2,000 horsepower, which light the subway. Normally the lighting plant is independent of the plant that operates the trains, but should an accident happen to the lighting plant the nine traction alternators could light and operate the subway at the same time.

> One of the interesting features of the big power plant is the fact that it can and frequently does operate not alone the subway throughout its entire length, but all of the elevated roads as well. In fact, the plant at Seventy-fourth street, built for the elevated and the largest constructed prior to the completion of the subway plant, might be said to be a part of this plant new.

The two plants are connected by cables.

of a button. Foot warmers are also located of subways and elevated roads.

Electricity in Homes. The wonderful electric house, the Villa Ferla Electra, which has been built by M. Georgia Knap at Troyes, France, clearly defines the part which electricity is destined to play in the home of the future. If not an exact type of what most houses will be in fifty or a hundred years' time, it at any rate shows progress, says Electro-

From the exterior there is nothing un- wardly placed the turcen swings around usual about the house, unless it is the and places the spoon almost in her hand total absence of a schimney. The gates All this is done by the press of a finzer cannot be opened from the outside, but as on two buttons under the husband's conoon as the electric bell is touched the trol.

portal awings slowly open and a mysteri- After waiting for Mme. Knap to take ous voice, which seems to emanate from a what soup she wants the tureen passes small iron box near the gate, bids you of its own accord around the groove in the enter. Stranger than anything else, the table in front of each guest until all have voice has apparently recognized you and been served. After it has completed the calls you by name, if you are a friend of journey it disappears as magically as it the family. If a visitor arrives after dark came. In a few minutes a receptacle for the same push button that rings the bell dirty dishes appears and waits patiently will light up the way. The gate swings for its load. There is no rattle of drock-

bule awaiting you.

of the visitor's shoes. Although the house is a museum of elec- fans the guests. The air is scented and

building in what is called the operating early morning hours, one plant is fre- a little glass and metal cylinder, which be- the walls are switches, meters, etc., for feverish existence anyway.

under the table opposite each chair. At the head of the table is a circular dishes are all of aluminum, easy to clean, the confusion. At least they get aggeneral where. That to sit in his soat and it's a desk, its center traversed by a curious and each designed especially for its work.

tramway. At the touch of a builton the electrical utensils, including a mincing ma- general idea, disk in front of Mr. Knap disappears as if by magic and in its place appears a steaming tureen of soup, which rapidly travels and polisher, and even an electric dish to the seat occupied by Mme. Knap, while the sections close quickly and noiselessly. If the ladle happens to be rather awk-

In place as soon as you start toward the ery, no danger from careless servants, no house. M. Knap, apprised electrically of noise and confusion of walters. In this your coming, will be found in the vesti- wonderful way all the food, from the de-

licious julienne to the coffee and cigars With the first step inside the house a is served. If the room becomes slightly small device automatically cleans the soles overheated the inventor presses another have it reprinted and sent back to his conbutton and a cool, sweet-scented breeze stituents.

heat is applied direct, and it only takes a which interests a new of the members, his ability and his intervity. He will realize few minutes to prepare the food. The They manage to hear each other above then that work has been going on some metal strip, with a groove like a miniature On the kitchen table are a number of stenographer cannot be satisfied with a the chief end of congression. That swap

chine, a miniature churn for producing fresh butter, a coffee grinder, a buffer washer. There was also shown the motor disconcerting to most men to have a driven apparatus which waited on the stenographer loom up within a few feet as table so nicely.

dried and ironed by electricity. The guest chambers are heated and lighted and ventilated by the current. Electric bells, are interested in a certain piece of legislatelephones and cigar lighters abound. A tion get together in a more or less comsimple electrical device notifies the serv- pact group where they can hear and he

ants in the basement of a visitor at the heard by one another and where they go on front gate. By a series of mirrors the with their arguments and their speeches owner of the house can see his guest without any notice at all from the surstanding in the street. With the tele- rounding country, so to speak, the outlying phonic apparatus he can talk with him desks where the uninterested continue their from the den, and at the press of a finger the gates swing open or shut.

House of Representatives

(Continued from Page One.)

and the house knows it. He is getting his speech into the records, whence he will

The records fortunately will not disclose Although the house is a museum of elec-trical inventions and conveniences, the din-cooled by passing over perfumed water. The records fortunately will not disclose if he goes to the capitol often enough the fact that nobody paid the slightest at-the fact that nobody paid the slightest ating table is the greatest wonder. No serv- After the dinner the visitors are invited tention to the gentleman's remarks except ants walt upon the diners. At the touch to inspect the wonderful house. The first the official stenographer, who had to get of a hidden switch the table is flooded in place visited is always the kitchen. Here within six feet of him in order to hear a proposed piece of legislation, contesting located in the northerly section of the When travel is light, particularly in the many colored lights. Beside each plate is everything is done by electricity. Fixed in what was said. These stenographers load a or fighting for every inch of its way of

hand, taking notes as he goes. It would be soon as they opened their mouths, but In the laundry the clothing is washed, representatives got used to that, .

One of the funnicat little ways of the house is its custom of letting those who

reading and writing, their talking and laughing: "Mr. Speaker," says Mann, as he jumps

into the argument. He says it from force of habit, for on these occasions half the time his back is toward the speaker, who for his part is

Hut the newice up in the gallery need not anyway. A man shouldn't get his tac's up just be-cause he is told to hump himself.

If he goes to the capitol often enough come when the house is crowded with watchful, earnest men, analyzing minutely passage, assailing the speaker with a rapid

idea of what the others say. But the to small talk on small matters is not read ping stories has not been the sole occupy He must have the exact innguage. So he tion of the men who have been turning in-

scoots about from one to another, pad in house into a good indiation of a savenili There's no use getting into a partic. At the new representative from Georgia dil the other day. He teems to think that because the house doesn't make grand speeches about big hills every day and pass

a revolutionary measure three those a week nothing's doing. He is liable to find out his mistake later and even to wish there has been more innocuous pension hills and fewer pieces of radical legislation not cut after his particular pattern

Musings of a Cynic

So long as a man isn't miserable To ought to be happy.

After all, perhaps, a rolling stone is more to be desired than a rolling sait. Many a fellow doesn't gel married be-cause the girl's father can't afford it.

The fellow who blows his own horn may come out at the little end of it.

toward the speaker, who for his part 's Some times fate makes a here of a man, deep in conference with somebody and but he can't always held the job.

Many a man complains that he is misun-terstood when he is really unintelligible.

Just because a man can't keep a straight face don't jump to the conclusion that he is crooked.

Lots of women seem to exercise more jedgment in choosing their friends than in choosing their husbanda.-New York Times,