HOUSEKEEPING THAT IS DONE BY PUSHING BUTTONS.

A New Yorker's Amazing Combination of Electrical Devices to Do the Work of Servants-Elevators, Boors, and Light That Act in Response to Distant Hands.

The nearest approach to the fairyland of the fable exists in New York city. It is the home of the President of one of the large exchanges. In this house it is almost impossible to do a stroke of work or perform a series of concerted actions. Everything is done really by electricity. It is probably the most elaborate electrically equipped residence in the world. Everything is only to reach out your finger to have it done. It would seem as if the family of the owner must die of lassitude and the servants grow so lazy as never to be fit for work. Most of the servants are figureheads anyhow; they have so little to do.

The occupants of the house seldom or never walk up stairs. An electric elevator carries them from floor to floor and even up to the private roof garden fitted out with electrical devices. No attendant is required to work this elevator. It is the perfection of automatic action. A single push button on each landing controls it. No matter if the car is above or below your floor, a pressure of the button will call it to you. This is, of course, possible because of the

AUTOMATIC ACTION

of the pole-changers and switches which are placed at every floor and are worked by the car itself. Once a certain push button has been pressed, the car passes under the control of the person who pressed the button, and no matter how much the other buttons are pressed they will not act until the first one is released. This is done by means of a commutator which throws all of the other buttons out of circuit; for if always waiting upon tide-the Medway two persons on different floors should | fleets gets under way. It is worth | breakfast, one of my favorites did not attempt to work the car at one and the same time it might prove fatal to human life. The car door also is automatic, and the car cannot be moved the interest of the scene. until the door is shut and locked. This elevator is lighted by tiny but brilliant electric lamps, and there is a flexible tube telephone in the car which ena-Lles one to speak to any part of the house.

Such a thing as the ordinary opening and shutting of a door never occurs in this house. Near every door there is a push button. Press this and the ed thoroughfare as in the lower reachdoor slides into the wall or vice versa. es or along the coast north and south salve, applied it to the quivering flesh. The pressure of another button locks or of the Thames estuary. unlocks the door. Sometimes it is not necessary to be near the door in order the free waterman, "sweep" up on the to open or close it. Hanging down be- floodtide, their long oars or "sweeps" side the beds are what is known in elec- serving to help their dangerous passage | coop with its mother. To our surprise | a satisfactory compensation for this trical circles as "flexible"-bifurcated under the arches of the bridges, others it lived. The cloth on its back not concession. The receipts of the imcords with wooden knobs or handles on are taken in tow by one of the tugsthe ends. In each handle are four but- the Vixen, the Scorcher or the Storm been, it could not get its head down to tax from 1894 were 8,228,000 Rx., (tens Awake, Shut and Locked. The pres- string of deeply laden hulks, often lashsure of the first two buttons sends a ed together two by two, go steaming signal to various parts of the house that | past the Nine Elms, Chelsea and Hamthe master or mistress is asleep or mersmith to find a peaceful berth posawake. The bedroom is approached by sibly behind the eyots of Isleworth a long hall or entry way. Lying in Richmond, until once more they are bed the occupant of the house can shut freighted outward to their own river and lock or unlock and open the door or to face the open sea. at the end of the fifty foot passage by merely pressing the proper buttons. Hanging near the bed is another flexible button which means all kinds of qualified summons to the house ser- Would You Believe That You Can Walk effect on my hen that they often do dian peasant need pay, unless he in-

There is no such thing as groping in the dark in this house. Every room can be lighted before entering by PRESSING A BUTTON

in the hall approaching it. Further- three miles within the hour, but that more, you can light at will one or a dozen or every light in the room and there is also one switch which enables - every lamp in the house to be lighted at on its axis every 24 hours. For the Dark closets are unknown in the house. The very act of opening a closet door automatically turns on the current and the interior is lighted up. All of the table lamps are electric and hour's stroll 1,000 miles in the axial pleasures of coasting. I first tried the in several cases they are marble statues holding incandescent lamps, small patterns, as it were, of Edison's famous statue of the Triumph of Electric Light. a journey around the sun every year, next endeavored to persuade the dog,

tiful sight from a distance, just as the will put at 92,000,000 miles. This is the ly refused to try the second, and when distance is beautiful when viewed from radius of the earth's orbit—half the I attempted to urge the matter, a the roof. Here the family passes its diameter of the circle, as we call it. row of glistening white teeth and evenings when home in the summer The whole diameter is therefore 184,- determined growl settled that question. is done by the current, and so much | ing the diameter multiplied by 3.1416, | Pert. Going to the hen house, I took of it is done according to new methods is about 578,000,000. that the cook would be practically useless in an old-fashioned kitchen. When vels in its yearly journey, and divid- my hand, I started for the top of the a chicken has been prepared and plac- ing it by 365 we find the daily speed | hill. Arrived there, I placed her uped in an electric oven it is only neces- about 1,586,000. Then, to get the dis- on the rope in front. She looked calmsary to press a button and watch the tance you rode around the sun during ly about her over the white snow, then clock. As the heat is obtained from your hour's walk, divide again by 24, up at me. Finally smoothing down her over-charged wires it is distributed and the result is about 66,000 miles. rumpled feathers, she settled down as evenly all around the bird. Basting is, But this is not the end of your hour's contentedly as one could wish. I seattherefore, not necessary, and the ex- trip. The sun, with its entire brood ed myself behind her, gave the sled a pertness of cooking becomes a mere of planets, is moving in space at the gentle push and away we sped down question of time allowance. A leg of rate of 160,000,000 miles in a year. This the hill. At first she seemed somelamb, for instance, will require just is at the rate of a little more than 438, what surprised at the sudden turn afone hour and ten minutes to cook. Left | 000 miles a day, or 18,250 miles an fairs had taken, looked around at me in the oven three minutes longer than hour. this and it would be over done. It is | So, adding your three miles of leg offer to stir off the sled. Before we

not necessary to look in the meantime. quisite in tone, the lights shedding a journey, and that, again, to the earth's guage, which, according to my interpregentle radiance down from the ceiling. excursion with the sun, and you find tation, meant that this was precisely It is said that the owner even contem- you have traveled, in the hour, 85,253 plated an electric table which would miles. sink out of sight and its place be taken by another after each course had been eaten, much after the Roman fashion of table removal. The nearest approach in this case, however, is an

ELECTRIC DUMBWAITER, large enough to carry a whole dinner

supply the current to the house. The members to meet all liabilities likely her off the sled. cells themselves are stored by a dyna- to occur.

mo, which is worked in its turn by a gas engine. This entails no trouble, however, because the switches on the elaborate switchboard are worked automatically by a side current from the cells. A colored man servant keeps his eye on the machinery, and an experienced electrical man pays the house a visit at intervals of one or two months. This in a measure proves the feasibility of electric lighting for country residences.

In fact, everything seems to be done at a touch of a button in this house, and the inhabitants have become thoroughly used to it. The owner has tried to enjoy some of the delights of ordinary activity by becoming a photograph fiend, but here the modern destiny of the mansion has pursued him, and his private studio is "electric." Arc concentrating lamps enable the owner to for you, apparently by magic, though take pictures day and night, and there are electric developing processes on which he experiments. He has even had wires run underground from his cellar plant to the houses of his busidone by the current, and it is necessary | ness partners and for his father-in-law, on the next street. He supplies them with lighting current. It is not apparent that there are any electric hair | Papa views it o'er with wonder, curlers or electric cigar lighters in the house, but there is no reason why they should not have been concealed in some out of the way corner. In short, if there is a genius of domestic electricity abroad it would probably select this house for its residence.

LONDON BARGES.

Interestiv scenes in the Quiet Reaches of the Thames.

In the weird light of the smoky evening half a dozen barges, some already under jury masts, are making tures about me, and many lessons I their way on the top of the flood into | learned from them, but my favorite pet London. They form a long perspec- was a hen, and this was the way it tive as they approach the Tower Bridge | came about. and are lost sight of in the yellow mist of the setting sun. They are loaded kitchen door a proud old mother hen down to their hatches, and some of with ten downy little chicks eagerly them have sailed far up the coast, per- tumbling after her. I was delighted haps in half a gale of wind, to deposit | with the dainty little creatures, and Strood Bridge will be familiar enough But the prosperity of the little famwith the sight of them here. On Monday morning-time, to the bargemen, out of its own river, and coming about into the Thames, adds something to

Standing on the Essex side, one can on a clear day see some way up the Medway, now thick with sail, and follow the fleet along the Isle of Grain opposite, and far up the Thames beyond | and to the crop on either side. Takthe long, low line of Canvey, disappearing at last as it bears northward up the Lower Hope. Thus toward evening, in company with their various seagoing companions, these Medway craft resolved to save the chicken if possible. chuprassies, invested with inquisitorial of human vitality would be used up. enter the gloom and haze of London, each one as much at home in this crowd-

Here, while some taken in hand by marked successively Asleep, King, perhaps-and soon a long, black

AN HOUR'S STROLL.

85,253 Miles an Hour?

Have you ever thought of the distance you travel while you are out on an hour's stroll? Possibly you walk does not by any means represent the distance you travel. The earth turns | According to the general advice of the sake of round figures we will call the earth's circumference 24,000 miles, and so you must have traveled during the turn of the earth.

But this is not all. The earth makes The roof of the house with its elec- and a long but rapid trip it is. The dis- but after being forcibly held upon the trically lighted garden presents a beau- tance of our planet from the sun we sled during the first trip, he resolute-In the kitchen all the cooking 000,000 miles, and the circumference be- As a last resort concluded to try

This amazing distance the earth tra- under my arm, and with sled rope in

travel to the hour's axial movement

NOVEL LABOR INSURANCE.

Insurance against non-employment is an accomplished fact in Cologne. Workingmen who have resided two years in that city and are over 18 years old can other idea. The dining table abounds join the society. The dues are 6c per that followed, until school and study in call bells. The master of the house week. If no employment can be procan give a private signal through the cured for a member during the dull seafloor by means of a foot push button.

The current used in this plant is all generated on the premises. The house is ed a guaranty fund for the society. son, 50c per day are paid to him if marnot situated along the line of a street | with \$6,000, to which \$14,500 have been current. The owner had therefore to install his own plant. Storage batteries The society hopes to enroll enough

YOUNG FOLKS.

BABY MAY'S PIE.

On a stool before the dresser, Looking wondrous sweet and wise, Baby May is busy-bless her! Helping mamma make her pies.

Sleeves rolled to the dimpled elbows, Smooch of flour on her nose, Clothes-pin serves her for a roller, This is how her wee pie grows:

First she rolls and rolls and rolls it, Dropping flour here and there, Then quite carefully she folds it Till her apple she can pare.

Now she's ready for the filling-Sugar, apple, much of spice, Mamma thinks it's somewhat mussy, Baby thinks it very nice.

When 'tis baked, she proudly shows it, While we wonder who will get May's first pie, and when we ask her, "Tis for papa," says our pet.

This queer pie beside his plate, Kisses May and kindly tells her, "It shall be my paperweight."

OLD PERT.

BY AUNT HETTIE.

When I was a small girl, perhaps seven years old, I lived with my parents on a large farm. We were a mile or more from neighbors, and, as I had no brothers or sisters, I was obliged to make playfellows of the dumb crea-

One morning there came up to our their cargoes in the quiet reaches of obtained permission to care for them. the dreamy Upper Thames. Others | The old mother hen we put in a coop, hailed from the Medway-"the other but the chickens ran at large, and river," as they call it on the Thames- | they grew and thrived on their diet of and those who know Rochester and meal dough as only chickens know how. ily did not endure many weeks. ' One morning as I called them to their seeing this on a bright morning, when respond, and my search revealed her the wind is fair, each vessel beating up doubled up with her head under her wing, in a very sad condition. Whether she had been seized by a rat, or in what way the accident occurred we never knew, but the skin was torn from the back of her head down to the wings ing up the poor trembling little thing I ran to mother, and she, disliking to lose one of her fine Hamburg brood, She cut a piece of cloth the size of the wound, and spreading one side with Telling me to watch it carefully that permitted to supervise their salt works become the victim of his insatiable felthe other chickens might not annoy it, and tax their product before it left low worlder, the bacterium. she gave it to me, and I put it in the being so elastic as the skin would have perial (Indian) revenue from the salt eat the dough like the others, so I fed of rupees) or nominally about \$41,000it from my hand. The weeks came and | 000. The present average annual conwent; still that plaster adhered to the sumption of tax-paid salt by the people injured parts, until one morning when of India has been officially estimated it came for its breakfast the plaster at about 10 3-4 pound per head, and was gone, and in its place was new skin | the average annual burden of the tax with black and white feathers just on each Indian family of five persons pricking through. By fall there was not at one rupee and a quarter, or 5d. a handsomer pullet on the farm than (ten cents); and in considering this tax, our little cripple of the spring before. it is desirable to bear in mind that there I named her Pretty, and the name was is no direct taxation in India either most appropriate, but too much pett- on tobacco or sugar, so that the salt ing and indulgence had much the same | tax is the only direct tax that the Inupon children. She was very proud dulges in alcohol or narcotics— the and selfish. When the corn or dough land assessment being regarded as in was placed in the dish and the hens | the nature of rent. gathered around to eat, Pretty would march straight into the middle of the largest dish, pick out what best suited her taste, and woe to any hen who dared allow her head to get in the way. family. I changed her name from Pretty to Pert, and that was the title | deck of the train to salvation; let me she ever afterwards bore.

During the following winter I longed for someone to share with me the cut, but she very emphatically refused the invitation, and I had a badly scratched hand into the bargain. I her from the perch; then tucking her and chirruped inquiringly, but did not reached the foot of the hill she was what she had long desired, and was grateful for her pleasure. So delighted was I with my new playmate, the trip was repeated again and again, for as she remained upon the sled after I got off I could draw her about as

much as I pleased. As a matter of fact this was not the last of our good times together, but through all that winter and in those took the place of out-of-door play, Pert was my companion on such coasting ex-

all, she was anything but beloved in the hen house. She was very lordly among the other hens, and ordered them about in a more forcible than for her interference, she received a vicious peck in the eye from some offended hen. For weeks afterwards we nursed her carefully and she finally recovered, but she ever afterwards lived

the life of a one-eyed hen. Her adventures were too _numerous to relate. Once after she had been missing nearly a week, she was found discovered a covert method by which wedged in between a barrel and the side of the hen house. She was too weak to stand when we first took her out, but after a day or two she was as lively as before. She fell into the cistern, and when in all haste we went to her rescue we found her floating about on the surface of the water just as unconscious as if on the softest nest we could have prepared for her.

One cold winter morning we found our poor old Pert dead in the woodhouse. She had died of cold and of old age. We buried her in the garden, and we all missed her when she no longer responded to our call with her peculiar chirrup. She was nearly twelve

years old. Children, this is no fairy tale. It is true in every detail, and I could tell you much more about our interesting pet, but let this little story of what one poor hen can become through love and kindness teach you to be kind to all dumb creatures. Their mute appreciation and loving, confiding trust will more than repay you.

THE SALT TAX.

It Is the Only Direct Revenue Paid By East Indians.

Since its discontinuance in France in 1789, the salt tax has ceased to be an of three classes, spheroidal, rod-like and excise or internal tax in European countries, with the exception of Italy, and which finds its warrant and justification at the present time in India in the fact, that, apart from the land tax, there is no other method so practical and economic of compelling the masses of the people to directly contribute anything for the support of the Government, inasmuch as the consumption of salt is a necessity for every individual. A very large proportion thin, structureless membrane. of the salt required for Indian consumption is imported-chiefly from England-and the total amount on across the middle, each portion soon bewhich the taxes are collected is about coming larger, and again dividing, so 500,000 tons, or 3,000,000 barrels. The it has been calculated that a sinrate of tax is two and a half silver gle germ, if kept under favorable conrupees (nominally \$) per maund of 82 .- ditions, might at the end of two days 28 pounds. Previous to 1879-80 the have added to the number of the Government maintained, at great ex- world's living beings the enormous pense and popular annoyance, a customs sum of 283,000,000,000 new individual line 2,500 miles in length, to keep salt | bacteria! This is Prof. Kratzjan's estiproduced in the states under native mate, and he is of the opinion that if rule from entering into British terri- this sort of thing were to go on for tory without the payment of a heavy just one season unhindered there would

them. But this could only be accomplished by paying the states concerned

RAILROAD MAN'S PRAYER.

Oh, Lord, now that I have flagged thee, lift my feet off the rough road of life and plant them safely on the use the safety lamp known as Providence, make all the couplings in the train with the strong link of thy love and let my hand lamp be the Bible. Heavenly Father, keep all the switches closed that lead off on the siding, especially those with a blind end. O Lord, if it be thy pleasure, have every semaphore block along the line show the white light of hope, that I may make the run of my life without stopping, and Lord, give us the Ten Commandments as a schedule and when I have finished my run and have, on schedule time, pulled into the dark station of Death, may thou, the Superintendent of the Universe, say with a smile, "Well done, thou good and faithful servant, come and sign the pay-roll and receive your check for eternal happi-

HOW ELECTRICITY KILLS.

Experiments have been make by a French scientist upon dogs in order to determine the cause of death in electric shock. The conclusion reached is that for a given animal in normal condition as to health a definite amount of electrical energy will produce fatal results. The dining room of this house is ex- of the earth, this to the earth's orbital talking away to me in her hen-lan- It is thought that the action of the Good-bye!" electrical discharge is to contract the arteries and increase the pressure of the blood, and that death is due to inability on the part of the heart to sustain the increased pressure of the blood so produced. Post-mortem examinations seem to show that the passage of the current does not cause any anatomical disintegration.

COFFEE A BRAIN STIMULANT.

Good coffee, by means of its marvelously stimulating influence on the peditions, and they really did seem to brain, is the antidote of alcohol. At afford her as much pleasure as they Rio Janeiro, where the population numcoffee which the Brazilians know so She blushed and answered; I will Although a great favorite with us well how to prepare.

MOSQUITUES

agreeable manner. One day, in return THEY CARRY BACILLI INTO THE BLOOD OF HUMANS.

> Then the Poison Microbes Breed Death-Recent Important Discovery by a Ger-

> man Scientist. Prof. Kratzjan, of Berlin, has just bacilli are introduced into the human anatomy, where they do irreparable damage. They are carried into the blood on the tiny bills of mosquitoes, and there propagate their species innumerably and in many cases kill the poor victim. At first sight this appears incredible, but only so on account of the meagerness of our knowledge of the bacillus and the great family of the bacteria.

> Only recently have we been permitted to know anything worth knowing about the great army of microbes offensively arrayed against the inhabitants of earth, and as yet our information as to their life powers and facilities for mischief are very limited, but whatever order we can bring out of this chaos should be sought and found with as much certainty and alacrity as are possible. With Prof. Kratzjan, it is time to believe that there is danger in delay.

It is found that when all forms of bacteria that have as yet been seen are carefully mustered, they fall into one spiral. Additional subdivisions of these classes have been made and generic and specific names attached to

MANY HUNDREDS OF FORMS. But these need not be specially enumerated. How they look and what they do is of more importance than the names scientists have attached to them. Through the ordinary microscope the bacteria look like little balls and straight or spiral rods, but we find when we use the most powerful lenses that they consist of a minute mass of granular protoplasm, surrounded by a

When they are given food enough, and placed under favorable conditions for growth, they may be seen to divide be very little room left on the earth's This barbarous system, necessitating surface for any other form of life, and the constant employment of a large all the carbon, hydrogen, oxygen and force of native constables, known as nitrogen now available for the purposes powers, was abolished at the time above In the stuff which makes life there named, by entering into treaties with would be a corner, and even the great the native states possessing salt sources, master of the planet, man, would be in virtue of which British officials are forced to the wall and constrained to

BUT NATURE PROVIDES.

Fortunately this sort of thing does not go on. The food grows scanty, or the temperature becomes hot, and the sun is a sore enemy of the growing bacterium, or, as it grows and feeds, the germ gives off various chemical substances which often poison itself. So the proportion is preserved by such a fine balance of the natural forces that the bacteria in the long run are held closely within bounds the world over, till they get into the fat pastures of the human blood, where they carry the havoc of disease in more forms than are embraced in the nomenclature of the schools, and finally vitiate the whole volume of that upon which they feed.

A SPORTING FAMILY.

A Traveller's Reception at a Western

A man who was making a tour of the west on horseback rode up to a cabin one afternoon, seeking refreshment for himself and horse. A boy of about 14 came out to the cabin in response to the traveller's call.

"Hello!" he said. "Your father at home?" asked the stranger.

"Naw; he's went over to Sagetown to a slugging match."

"Is your mother at home?" "Naw; she's went down to Paw-paw Town to a pigeon shooters' match.' "Well, is there any one here who

could get me up a dinner?" "Naw; I dunno as thar is. Sister Lib has jess went to the baseball game down to the cross roads an' Sister Louisy has went off with her beau to the hoss race over at Peevy Mills. Brother Jim's went to a rooster fight over at Hi Simpson's, and Dan's gone to a dawg fight. If gran' ma'am was here she'd

jerk a chicken an' fry it fer you." "Where is your grandmother?" "Her and gran' dad's went to a shoot-"Well, you're rather a smart looking

boy; couldn't you get me up something? I'm most starved. "Sorry, mister, but I reely ain't time. I'm jest off to a mewl race an' I've got ten cents up on Bill Jimson's old white mewl an' I want to be thar

A LOAD REMOVED.

to see 'im win. Got to to right off.

Carrott-Say, old man, you are looking a hundred per cent. better than you were a year algo.
Barrett—Yes, I was worrying about

my debts then. All paid up now, eh? No. They have grown so that I know there is no use in trying to pay. In is a great load off my mind.

WILLING.

He led her into the beechen grove where they had carved their initials on did me. I could draw the sled into bers 350,000, drunkenness is almost un- a tree years before. The letters had the midst of the flock, place her upon known, and coffee is largely used. Emi- grown together and formed a knot. knot-if you will.