THE HOME OF A HUNDRED COMFORTS

THIRD EDITION

THE HOME OF A HUNDRED COMFORTS

GENERAL ELECTRIC COMPANY
MERCHANDISE DIVISION
BRIDGEPORT, CONN.

Dec., 1925 (50m)

GEA-271
Old series Y-1834B

In the quest for happiness there is little to choose between a mansion and a cottage if both have the comforts of a home. Complete wiring can make each "THE HOME OF A HUNDRED COMFORTS"

The Measure of Home Comfort

YOU measure the comfort of your home by its convenience. In these days convenience is, in large part, a matter of electrical service, and the effectiveness of this service depends on the completeness of the wiring system. Complete wiring is neither complicated nor expensive. If you are preparing to build a new home, you plan your plumbing system as a unit and you make sure that it will be complete. At the same time and for the same reason, you will appreciate the economy of building a complete electrical system into the structure as it is erected. On the other hand, if your present dwelling is not wired, or if it is inadequately wired, you will find the electrical contractor's resources quite equal to supplying the deficiency and installing electrical convenience in the old home.

The Value of a Complete Wiring System

A complete wiring system provides for all the electric lights, for their proper control, and for the appliances that you or a future occupant of your house may some day want to use. The value to a future owner is really its value to you—that is, he will be more likely to buy and to pay your price for a house that meets *his* electrical requirements. When you install a complete wiring system, you put into your house a value far in excess of the small sum which it costs—value that will be returned to you in full if you should ever sell, and that will bring its own annual interest if you rent the house.

The Utility of a Complete Wiring System

The complete wiring system is a direct and inexpensive avenue to the important objects of domestic economy. The unelectrified house is like a factory that uses only hand processes. The completely wired home opens its doors to the whole range of home machinery. Here the vacuum cleaner takes over the hard labor of sweeping and furniture cleaning—without dust, without wear, and, above all, hygienically. Here the electric washing

machine and electric ironer lift the work and weariness of the laundry from the housewife's shoulders. Here a tiny motor performs all the *hard* tasks of the kitchen.

Nor is the housewife the only member of the family who finds in electricity a conserver of strength and an aid to efficient work. Many a man of mechanical bent takes keen pleasure in little home tasks of repair and construction. Complete wiring, especially in the attic and cellar and in the garage, allows him to use an electric soldering iron or electric glue pot without recourse to other sources of heat than the current from the nearest outlet or socket. This convenient energy also serves him in the quick accurate use of tools that can be operated by the same small motor which is so great a help in the kitchen.

The Comfort of a Complete Wiring System

If this house is going to be your home, you can realize perfect satisfaction only if you are able to make convenient use of electrical appliances—only as you can change the arrangement of the lamps as often as you desire—only as you make electricity a servant who follows or precedes you from room to room, ready at every point to light your way and lighten your labor.

Complete wiring is the road to a hundred comforts. Electric heating devices—percolators, urns, toasters, grills, and the like are available on the porch or in the sun parlor in summer, in the dining room and the living room at all times, and, when occasion requires, in the bed rooms and sick room. Electric fans supply cooling breezes and keep the air fresh in any part of the house; electric heaters make cosy the cold corners in fall and winter; while electric curling irons, heating pads, and flatirons can be moved about and used at any convenient point.

There is, too, an undeniable prestige in complete wiring. The hostess whose home is made distinctive by the refinement of soft lights rightly placed, and controlled by the touch of a switch—who can offer her guests dainty dishes prepared in beautiful electrical heating devices—is one whom acquaintances love to visit and whose taste they admire even while they may entertain a little good-natured envy as they appreciate the distinction of her surroundings.

All this enjoyment is made available by the installation of a complete wiring system.

Your Assurance of Comfort

WHEN you make a purchase on which you depend for a lifetime's service, your thought is "how good" rather than "how cheap." This is especially true when the best costs but little more than an inferior product. It is in the highest degree true of a wiring system. You will never see the most important part—the part that is hidden behind the walls; you cannot inspect it before buying. How, then, shall you choose? The answer is, "On faith"—faith in the responsibility, experience, skill, and good repute of the electrical contractor who is to install it—faith in his use of only the highest quality material. Only when a contractor has demonstrated that he possesses these qualifications and that all his material is invariably of the best, has he earned the right to your confidence.

There is another reason why you should select such a contractor. The reputation that he has gained is at stake when he does your work. Obviously, then, you will be guided not so much by a low bid as by a high reputation. Complete wiring—exclusive of lighting fixtures—installed by an electrical contractor thus qualified and using the best material and workmanship costs between 2% and 3% of the total building cost. The contractor who offers you a bid much lower than this probably does so by reducing the quality or limiting the service, and the difference in dollars and cents can never compensate for your loss.

Complete housewiring, with all its attendant advantages in the use of electrical appliances and the convenient control of lights, is a possession of which to be proud. In order that you may realize its intimate application, our friend—*your* friend—the Qualified Contractor, will in the following pages conduct you through a house with a complete wiring system—The Home of a Hundred Comforts.

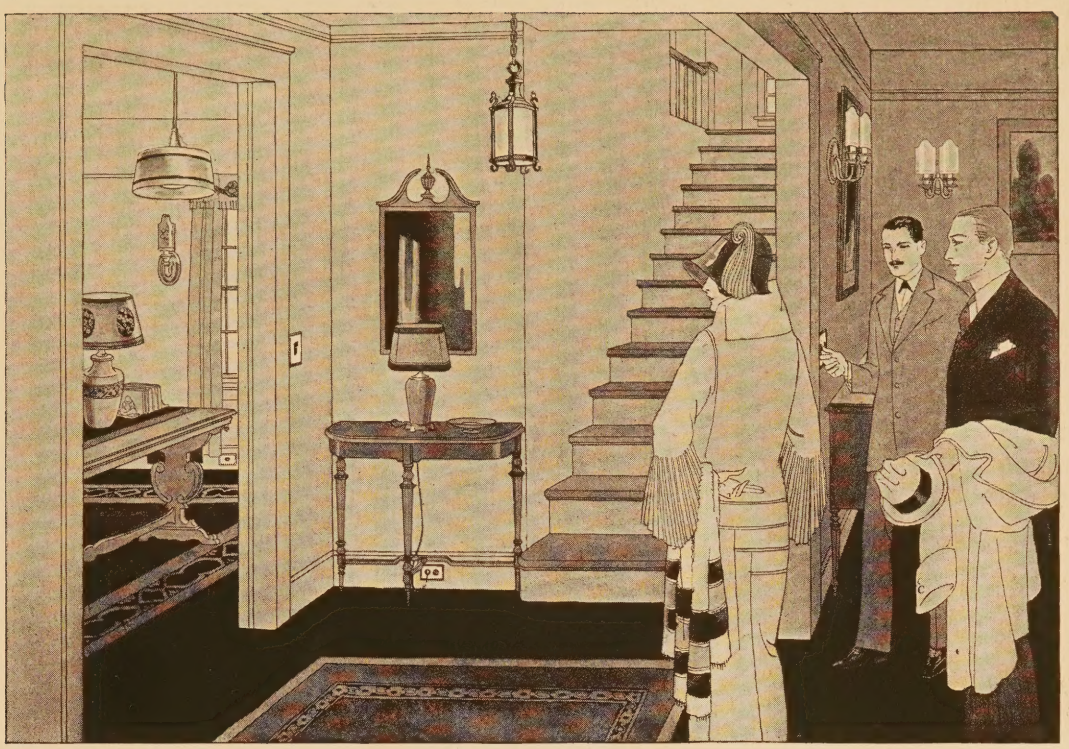
At the Front Door

"FIRST impressions strike deep. This is equally true of men and of houses. A cordial personality invites further acquaintanceship; an attractive approach invests a house with an irresistible atmosphere of invitation. The entrance is the welcoming hand of the home.

"Architects recognize the importance of a pleasing exterior and doorway by introducing the most graceful lines and agreeable color that their art commands, but it remains for electricity to give your home an even more significant charm when night has veiled its architecture and dulled its colors.

"When you walk along a city street after dusk, you never fail to notice the *lighted* entrances and bright windows. They carry a 'homey' suggestion. In suburban districts the charm of the lighted porch is even more pronounced and is, besides, a very real protection.

"These electric lights, set at either side of the entrance, are the first greetings of the home to your friends and visitors. They mark your home as one whose hospitality extends beyond the front door and takes thought of the guest even before his approach is known. The mellow light behind your drawn curtains is further evidence of the welcome that awaits within. In short, your house is endowed with your personality and projects it across the night as far as its lamps can throw their rays."



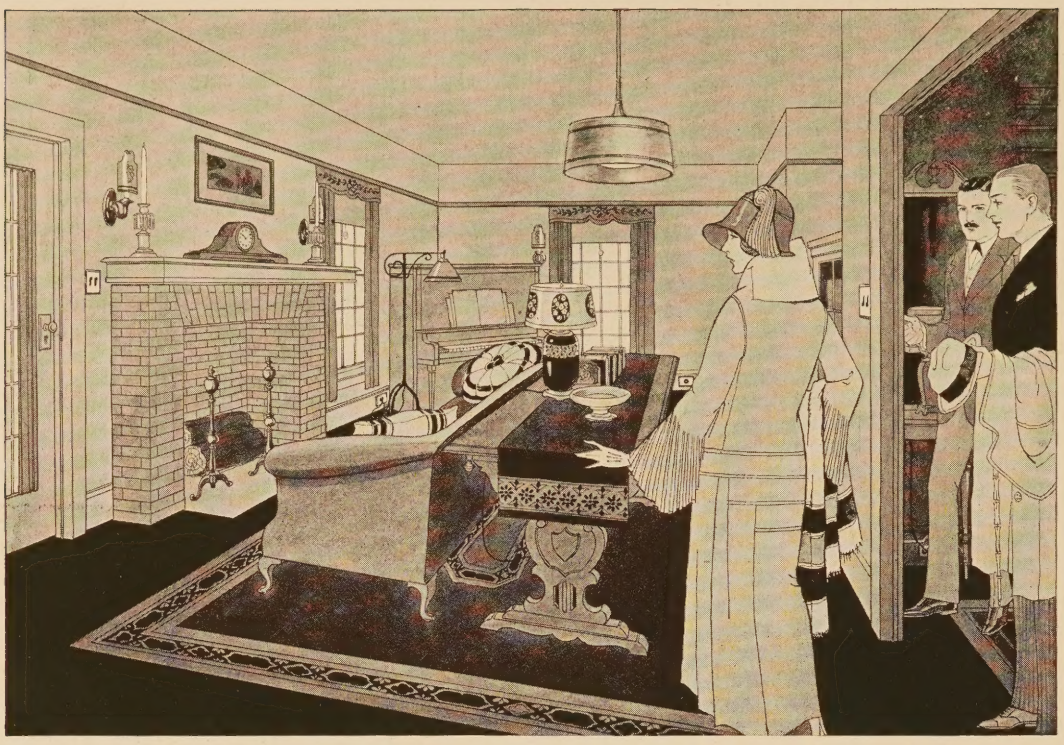
The Vestibule and Front Hall

"WHEN you enter your home at night, your first need is light. That Tumbler Switch, close by the front door, is ready to hand. Just a touch of your finger—or even of your elbow—and the vestibule is flooded with light. Beside it is another Tumbler Switch that controls the entrance lights.

"Two of the three switches just inside the entrance to the hall repeat the function of the two in the vestibule; the third operates the hall center light, which is also separately controlled through the switch in the hall, next the living room door.

"With this arrangement of switches, the front porch and the vestibule light can be operated in the vestibule *or* in the front hall. The front hall light itself can be controlled at the entrance to the hall, at the entrance to the living room, and also from the upper hall. These devices, controlling the same lights from more than one convenient location, are three-way and four-way Tumbler Switches. Later you will be told more about them. The switch at the foot of the stairs controls the lights in the hall above. There is also a Twin Convenience Outlet in the baseboard for the operation of a vacuum cleaner or for a decorative table lamp and an electric fan.

"This vestibule and hall are completely wired with seven Tumbler Switches, a Twin Convenience Outlet, and two ceiling outlets."



The Living Room

"YOU spend most of your time in the living room. Here you read and sew and watch the children at play. You entertain callers here, too, and know that they will judge your home and housekeeping by the atmosphere of this room. You, yourself, use every part of it at some time, and no matter where you are, you need electrical service.

Making Life Convenient

"Everyone has table lamps or floor lamps and likes to rearrange them from time to time, but no one likes to string long wires from the wall brackets—and remove the lamps so that the connection can be made. Hence several Convenience Outlets have been installed, one close to each place where a lamp may be wanted.

"Another purpose is to allow the convenient use of appliances—a vacuum cleaner, an electric fan in summer and a portable heater on winter mornings, a chafing dish or a percolator for small gatherings. Thus, too, you can most conveniently use a Tungar, the simplest, cleanest, and least expensive device for charging radio batteries—for radio sets are almost a matter of course in modern homes. There is also a Convenience Outlet in the floor, just under the center table, for the table lamp.

"Music lovers will find much comfort in an abundance of convenience outlets. This is a day of electrically operated phonographs and pianos. Wherever it is desired to place such a musical instrument, there it can be conveniently used if the room be completely wired; and wherever there is need for clear light on one's music, there a lamp can be placed.

The Comfort of Light

"This room should sum up all possible electrical comfort as well as all electrical convenience—and what finer comfort is there than plentiful light, correctly distributed and elastically controlled?

"Here, if anywhere, there should be enough wall lights to give close illumination to any portion of the room. Six wall Elexits have been installed at carefully distributed points, permitting you to have as many wall lights as you want—and where you want them. Each can be separately controlled at its own socket, but, with this arrangement, all are thrown on or off by this Tumbler Switch just inside the entrance from the hall.

"But this is not the whole story. You have noticed that there is a second switch at this door. It controls the center light, but is also connected behind the walls with another Tumbler Switch at the opposite door—the one that opens on the sun parlor. Each of these switches will throw the ceiling light on or off; so by whichever door you enter or leave, you can in passing light the room before you or leave it dark behind you. There is another switch that lights up the sun parlor should you have occasion to enter it at night.

A Path of Light

"Before we explore this completely wired house any farther, let us look back at the path of light which was laid before the owner's feet, so that he was never, for a single second, in the dark. As he passed the threshold, the vestibule was instantly illuminated. He crossed to the hallway and, even as he entered, the light preceded him. In like manner, when he reached the living room he dispelled the darkness *there* so that the light guided his very first step. He walked over to the sun parlor and made *that* brilliant before he had even opened the door. At every point he was able to throw off the lights that he no longer needed, and on his return he simply reversed the process, unrolling his path of light before his feet and gathering it up as he passed. When we go from the hall through the dining room and kitchen—and even to the garage—we shall find the same safety and convenience through the same simple means.

In the Service of Play

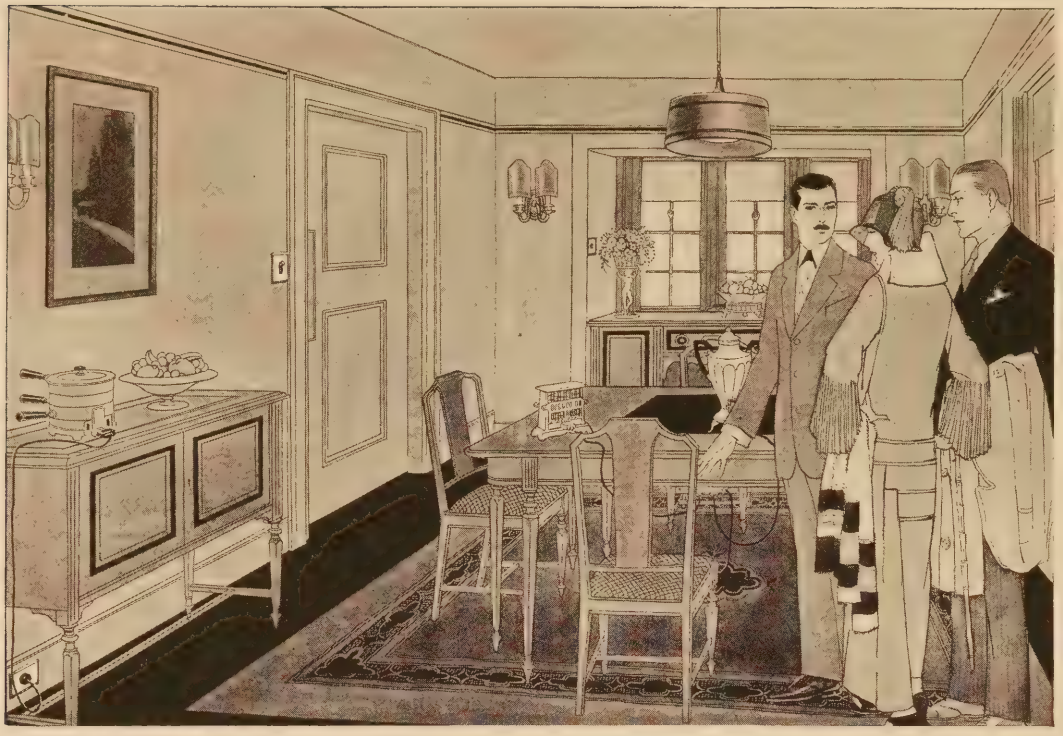
"We spoke of the children and their play. To them the most fascinating of all toys are electrical—miniatures of railroad trains, motors, derricks, and cranes—playthings that do not need 'winding up' but keep on going wherever the proper kind of electric current is available.

"In this room, with its many convenience outlets—and in any other room that may serve as a nursery—there are many places to use these toys. All that is needed is a Toy Transformer, a little device that is plugged into the outlet and reduces the house current to the small power that is needed for these, the most delightful and instructive of all toys.

"A complete wiring system serves adult recreation as well as the young folks' play. It is desirable to have a 'bridge lamp' at each table when friends are assembled for a card party. The hostess who can connect these at all parts of the room and so be unhampered in her arrangement of tables, secures the most beautiful effects and wins the admiration of her guests.

"The flexibility of lighting arrangement afforded by complete wiring is supplemented, in matters of size and power, by the wide range of MAZDA lamps. There is a special lamp for every type of fixture whether the purpose be decorative or for illumination. It is part of the contractor's service to indicate and supply the right lamp for each socket.

"All this convenience is made possible by four Tumbler Switches, six wall outlets, one ceiling outlet, and seven Convenience Outlets."



The Dining Room

"THE dining room is a place where distinction in entertainment is a matter of pride and where family comfort is a daily requirement. Housekeepers have learned to obtain these by means of electrical appliances, and they appreciate the complete wiring that makes these appliances so easy to use.

"There is no more popular purchase or gift than an electric toaster or percolator or chafing dish. They are beautiful in appearance and of every day usefulness. Almost every family owns one or more of these appliances, and no house is completely wired that does not provide for their convenient use. The Convenience Outlet under the table is especially wired to take care of them. The cord may be carried through an eyelet in the rug to the appliances.

"There are also three baseboard Convenience Outlets, one of which is located with particular reference to the service table for the convenient use of a heating plate or grill. The others provide for a vacuum cleaner as well as for an electric fan or portable heater. In addition, two outlets have been placed in the bay window, at a height of four and a half feet from the floor, for buffet cooking appliances or electric candlesticks.

The Value of Appearance

"While we are here in the dining room, I would like to emphasize the matter of appearance. It is perfectly possible to run the cords from a toaster and a percolator up to the overhead light. You can load a fixture with enough sockets or makeshift devices to take care of these leads, but the result is unspeakably ugly and *cheap* in appearance. It discounts all the dignity of good furniture and spoils the effect of your good taste.

"The floor outlet, in itself a small matter to install, is one of those little refinements of wiring that set a mark of distinction on the whole room. It isn't as if electric percolators and chafing dishes and toasters were rare possessions; they are coming into ordinary use more and more, and they are recognized as the most appropriate of Christmas and wedding gifts. However, their beauty is blemished and their convenience lessened when the cords are carried overhead, and, as I have said, the otherwise sightly room is sadly disfigured.

"All this is equally true of other appliances that are often needed in the dining room. Imagine, for example, the appearance of this service table if the grill were attached to one of the wall brackets from which the lamp had been removed to make the connection possible. An electric fan adds everything to the comfort of a dining room in hot weather, but a long cord, stretching to a lighting outlet and perverting its function, is as objectionable as any that might be carried to the ceiling fixture.

"Nowhere else in the house has the lighting scheme so decorative a value as in the dining room. Here, as you see, the finest taste has been exercised with the intent to give full effect to beautiful side fixtures and to the ceiling light.

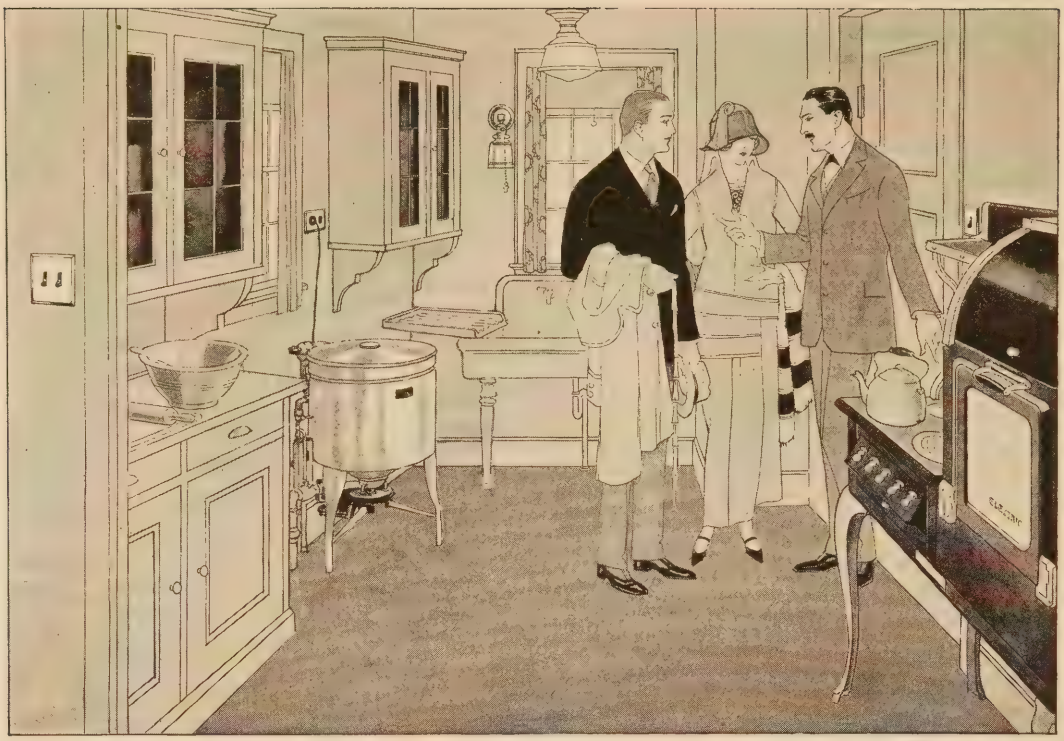
The Light that Adorns

"The illumination is controlled very much as in the living room. As you enter from the hallway you can throw on the center light by tipping one of these two Tumbler Switches. The other switch throws on the side lights as in the living room. These are so distributed as to emphasize the architectural beauties of the room. The control of the ceiling fixture is a three-way switch, which enables you to throw the center light on or off at the kitchen door as well as at the hall entrance. As we pass on to the kitchen, you will find another branch of the path of light with which we became familiar on the other side of the house.

"This room is completely wired with three Tumbler Switches, six Convenience Outlets, five wall outlets, and one ceiling outlet.

"The dining room suggests the threefold comfort of electricity—the simultaneous service in different forms—that it brings to dwellers in completely wired homes. Imagine this the scene of a gay little supper party on a summer night. The soft light shines on a merry company about the table whence an electric chafing dish spreads seductive odors. At one side an electric fan is swinging and showers its grateful breeze across the warm air. Light, Heat, Power! The three are separately serving each individual though all are drawn from one source of energy; and the three forms of service are made possible by complete wiring and by the appliances that complete wiring puts at the easy command of the hostess."

Threefold Comfort



The Kitchen

"I AM glad that this kitchen is so completely equipped with electrical appliances, because it will show you how thorough a provision for every possible saving of labor can be made within a small space. As I have said, a complete wiring system doesn't call for a complete set of appliances—it simply makes the use of any or all of them not only possible, but easy.

"There is only one Twin Convenience Outlet in this completely wired kitchen, but it is placed so as to be most available for every demand—over the kitchen table, and four and a half feet above the floor. It can be connected with an egg beater and with a little household motor for mixing bread, freezing ice cream, grinding meat, and a dozen other kinds of kitchen work. It is also in the most convenient position to use with an electric dishwasher, an appliance that has come into high favor not only because of the quick, easy way in which it disposes of a disagreeable task, but also because of the hygienic conditions under which it does the work.

"Should you want to do a little quick pressing without going to the laundry, you can connect an electric iron at this outlet and at the same time, if the weather be warm, operate an electric fan.

Lights to Work by

"Your kitchen is, after all, simply a housekeeper's workshop; it is not an appropriate place for decorative lighting, but it does demand the most efficient illumination that can be installed. You will note that the lights, while few, are adjusted to every kitchen need. The bright ceiling light, with its

severely plain fixture, is controlled by three-way Tumbler Switches, one at the door of the dining room and the other at the door that leads to the back hall. Thus, by whichever entrance you come or go, you can instantly throw the principal light on or off. There are only two wall lights, as you see, one over the sink and the other over the kitchen table. They are controlled by pull chains, a separate switch being considered unnecessary.

"While we are examining the lights, let us step out into the back hall where we shall find a three-way switch controlling a light at the back porch, which is also thrown off or on at the garage. Near it is a switch that operates the back hall light, and on the back porch is another that controls the light outside the garage. At the head of the cellar stairs is a device that often prevents the waste of current. It is a switch that throws on the cellar lights, combined with a little red warning lamp which reminds you that those lights are burning. The same kind of connection can be made with the attic lights if you desire.

"In communities where special rates are made for the consumption of current in electric ranges, an important housekeeping problem is greatly simplified. Electrical cooking consumes the least expensive fuel; it prepares food better and with less attention than is required by a coal range, and absolutely eliminates fuel odors and the toil of carrying coal and ashes. This range is provided with a special heating circuit, separately metered from the other circuits. There are electric ranges to fit any condition of space and position.

Cooking Electrically

"In connection with the work that is done in the kitchen and the laundry, you have always an anxious thought as to scrupulous cleanliness. Remember that the electrically equipped home is also equipped hygienically. If you are able to use an electric range, a dish washer, or a washing machine, you command an appliance that is peculiarly sanitary. This is equally true of vacuum cleaners, and applies to the health-maintaining properties of electric fans and portable heaters, and to the correct distribution of light. It is no exaggeration to say that the electrical home is most likely to be a home of health.

"You see here a kitchen equipped with every electrical device for saving labor, for comfort, and for proper illumination. Just imagine for a moment that the room is stripped of every bit of furnishing. What is left? One Convenience Outlet, one Range Outlet, two Tumbler Switches, a ceiling outlet, and two wall outlets. These few connections, installed at small cost, provide for every electrical service.

"The utilitarian character of the electrical equipment in the kitchen suggests a part of the housewiring that is equally without ornament but is the very heart of the installation. I refer to the wire, the conductors, and the attaching devices that carry the current from the meter and distribute it to every outlet.

Behind the Walls

"The giant strength of electric current must be carefully guarded in its passage behind the walls and under the floors. In this house only the safest and longest lived material has been used.

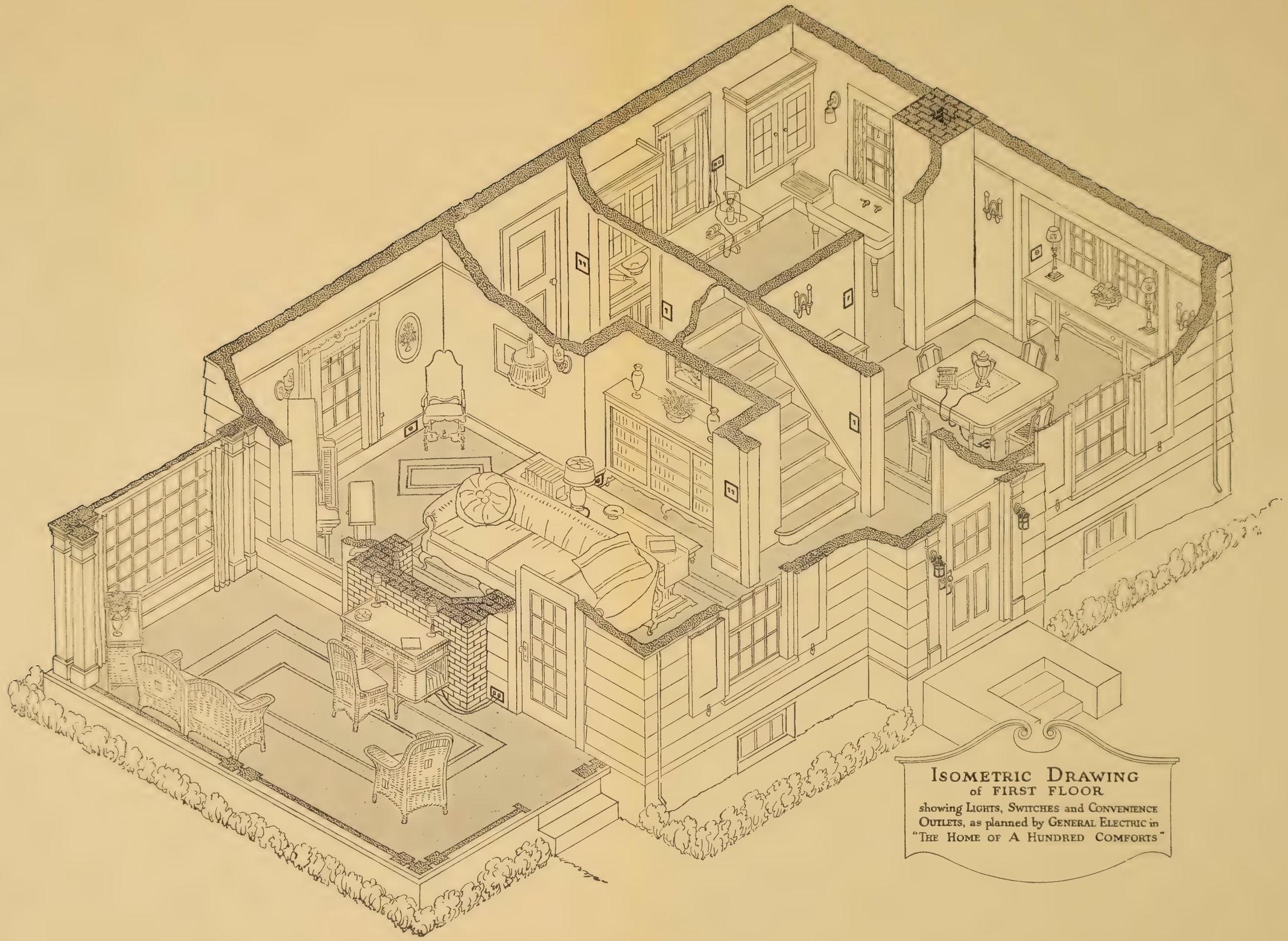
"When speaking of 'the careful contractor' I have in mind a two-fold care. He uses only the best material in the unseen places, primarily with a thought to your future safety and dependence on this part of the installation, but his care extends also to his own good repute, which is built on the permanent satisfaction of his clients."

The Sun Parlor

"BEFORE leaving this floor, let us go back through the living room and visit the sun parlor. This room serves a double purpose. In summer its windows can be thrown open to every breeze, and it becomes a delightfully roomy porch. In cold weather it is perfectly protected from the elements and yet admits floods of sunlight. Its contribution to year-round comfort is enhanced by a modest but adequate electrical equipment.

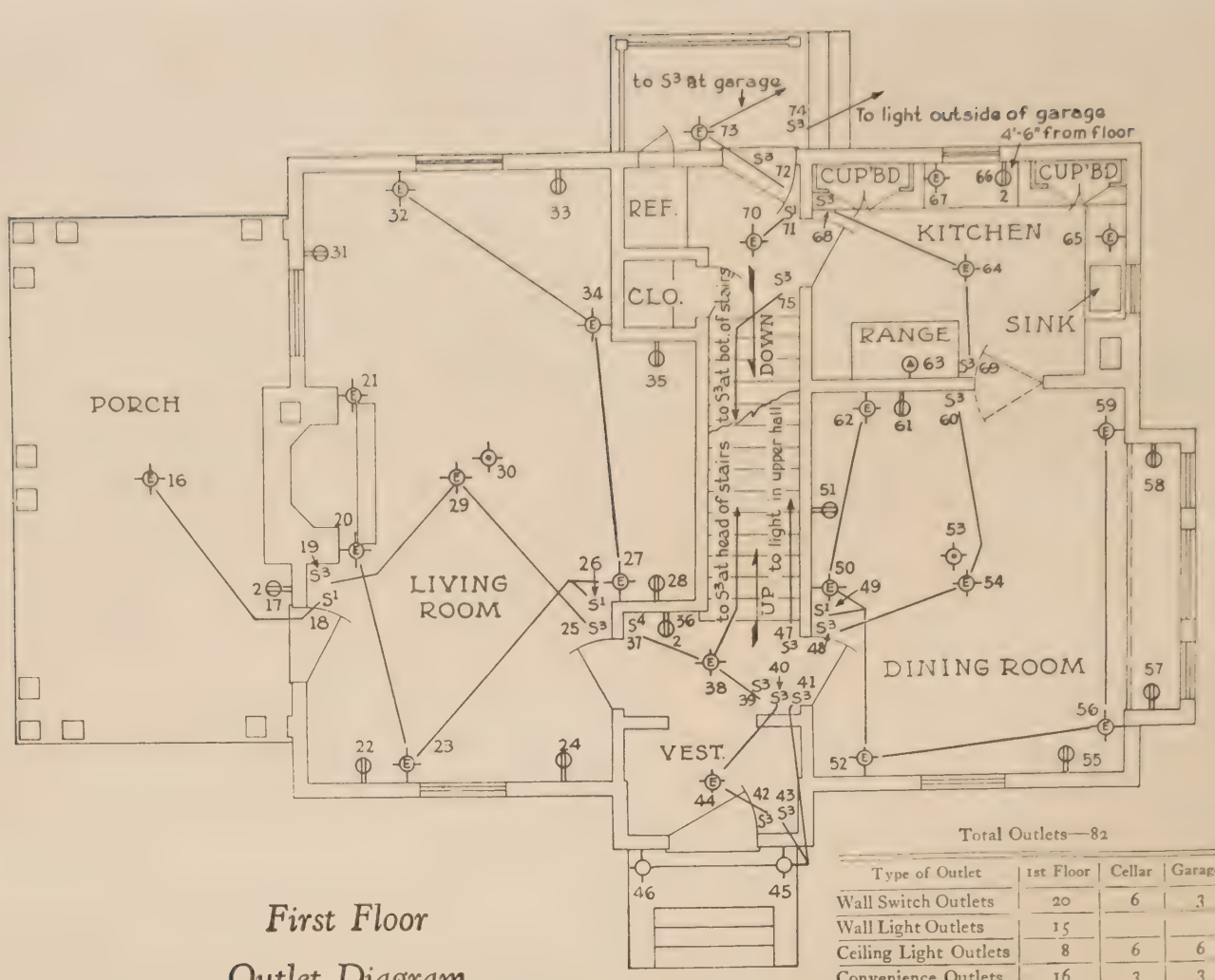
"As we have already seen, the decorative ceiling fixture is controlled by a Tumbler Switch inside the living room door. In addition, there is a Twin Convenience Outlet in the baseboard for a table lamp, and for percolator and chafing dish when breakfast or luncheon is served here. On the opposite post you might install an outlet for an electric fan, controlled by its own switch.

"Before ascending to the second story, think of the first floor as an electrical unit. You passed successively through vestibule, hall, living room, dining room, kitchen, and sun parlor, and you found—not six disconnected spaces but a single floor whose partitions were only a convenience and never a limitation. From the vestibule you lighted the hall; from the hall the living room and the dining room, pausing only to throw off the lights behind you; and so through the dining room to the kitchen, and through the living room to the sun parlor. At every step you found the same provision for necessary appliances, and everywhere the same assurance of comfort and the same restful illumination."



Isometric Drawing
of FIRST FLOOR

showing Lights, Switches and Convenience Outlets, as planned by General Electric in "The Home of A Hundred Comforts"



First Floor Outlet Diagram

Total Outlets—82

Type of Outlet	1st Floor	Cellar	Garage
Wall Switch Outlets	20	6	3
Wall Light Outlets	15		
Ceiling Light Outlets	8	6	6
Convenience Outlets	16	3	3
Range Outlet	1		

KEY

(E) = Ceiling Outlet for Extensions (Elexits)

(E) = Wall Outlets for Extensions (Elexits)

= Wall Outlet

= Single Convenience Outlet

= Double Convenience Outlet

= Floor Outlet

= Range Outlet

S¹ = Single-pole Tumbler Switch

S² = Double-pole Tumbler Switch

S³ = Three-way Tumbler Switch

S⁴ = Four-way Tumbler Switch

NOTE.—Where Elexits are indicated other types of outlets may be substituted.

* | VESTIBULE

42 | 3-Way Tumbler Switch GE1690, controls No. 44 Ceiling Elexit.
43 | 3-Way Tumbler Switch GE1690, controls Nos. 45 and 46 Entrance Lights.
44 | Ceiling Elexit LX200. 25-watt lamp is recommended.

HALL

37 | 4-Way Tumbler Switch GE1691, controls No. 38 Ceiling Elexit.
39 | 3-Way Tumbler Switch GE1690, controls No. 38 Ceiling Elexit.
40 | 3-Way Tumbler Switch GE1690, controls No. 44 Vestibule Elexit.
41 | 3-Way Tumbler Switch GE1690, controls Nos. 45 and 46 Entrance Lights.
47 | 3-Way Tumbler Switch GE1690, controls No. 101 Upper Hall Ceiling Elexit.
36 | Twin Convenience Outlet GE694, furnishes power for table lamp, vacuum cleaner, etc.
38 | Ceiling Elexit LX200. 50-watt lamp is recommended.

LIVING ROOM

25 | 3-Way Tumbler Switch GE1690, controls No. 29 Ceiling Elexit.
19 | 3-Way Tumbler Switch GE1690, controls No. 29 Ceiling Elexit.
26 | S-P. Tumbler Switch GE1688, controls Nos. 20, 21, 23, 27, 32 and 34 Wall Elexits.
18 | S-P. Tumbler Switch GE1688, controls No. 16 Ceiling Elexit.
24 | Single Convenience Outlet GE658
22 | Single Convenience Outlet GE658
31 | Single Convenience Outlet GE658
33 | Single Convenience Outlet GE658
35 | Single Convenience Outlet GE658
28 | Single Convenience Outlet GE658
30 | Single Convenience Outlet GE658
} furnishes power for portable lamps, electrically operated musical instruments, vacuum cleaners, fans, etc.
20 | Wall Elexit LX111. 15-watt lamp is recommended.
21 | Wall Elexit LX111. 15-watt lamp is recommended.
23 | Wall Elexit LX111. 25-watt lamp is recommended.
27 | Wall Elexit LX111. 25-watt lamp is recommended.
32 | Wall Elexit LX111. 25-watt lamp is recommended.
34 | Wall Elexit LX111. 25-watt lamp is recommended.
29 | Ceiling Elexit LX200. 200-watt lamp is recommended.

SUN PORCH

17 | Twin Convenience Outlet GE694, furnishes power for portable lamps, fan, cooking appliances, vacuum cleaner, etc.
16 | Ceiling Elexit LX200. 75 watts if lamp is of diffusing quality, otherwise only 50, is recommended.

DINING ROOM

48 | 3-Way Tumbler Switch GE1690, controls No. 54 Ceiling Elexit.
60 | 3-Way Tumbler Switch GE1690, controls No. 54 Ceiling Elexit.
49 | S-P. Tumbler Switch GE1688, controls Nos. 50, 52, 56, 59, 62, Wall Elexits.
51 | Single Convenience Outlet GE658
55 | Single Convenience Outlet GE658
57 | Single Convenience Outlet GE658
58 | Single Convenience Outlet GE658
61 | Single Convenience Outlet GE658
53 | Single Convenience Outlet GE658
} furnishes power for cooking appliances, electric candlesticks, glow heater, fan, vacuum cleaner, etc

* | DINING ROOM (Continued)

50 | Wall Elexit LX111. Two 15-watt lamps are recommended.
52 | Wall Elexit LX111. Two 15-watt lamps are recommended.
56 | Wall Elexit LX111. Two 15-watt lamps are recommended.
59 | Wall Elexit LX111. Two 15-watt lamps are recommended.
62 | Wall Elexit LX111. Two 15-watt lamps are recommended.
54 | Ceiling Elexit LX200. Two 100-watt lamps in dome fixture are recommended.

KITCHEN

69 | 3-Way Tumbler Switch GE1690, controls No. 64 Ceiling Elexit.
68 | 3-Way Tumbler Switch GE1690, controls No. 64 Ceiling Elexit.
66 | Twin Convenience Outlet GE694, furnishes power for fan, utility motor, beaters, iron, etc.
63 | Special Convenience Outlet GE694, furnishes power for electric range.
65 | Wall Elexit LX111. 25-watt lamp is recommended.
67 | Wall Elexit LX111. 25-watt lamp is recommended.
64 | Ceiling Elexit LX200. 100-watt lamp is recommended.

BACK HALL AND PORCH

75 | 3-Way Tumbler Switch GE1690, controls No. 12 Main Cellar Light.
71 | Single-pole Tumbler Switch GE1688, controls No. 70 Hall Center Elexit.
72 | 3-Way Tumbler Switch GE1690, controls No. 73 Back Porch Light.
74 | 3-Way Tumbler Switch GE1690, controls No. 132 Light Outside Garage.
70 | Ceiling Elexit LX200. 25-watt lamp is recommended.
73 | Wall Elexit LX111. 25-watt lamp is recommended.

CELLAR

11 | 3-Way Tumbler Switch GE1690, controls No. 12 Main Cellar Light.
1 | S-P. Surface Tumbler Switch GE970, controls No. 2 Heater Room Light.
5 | S-P. Surface Tumbler Switch GE970, controls No. 4 Fuel Room Light.
7 | S-P. Surface Tumbler Switch GE970, controls No. 6 Storage Room Light.
8 | S-P. Surface Tumbler Switch GE970, controls No. 9 Laundry Light.
14 | S-P. Surface Tumbler Switch GE970, controls No. 15 Vegetable Room Light.
3 | Single Convenience Outlet GE658, furnishes power for trouble light, fan, etc.
10 | Twin Convenience Outlet GE694
13 | Twin Convenience Outlet GE694
} furnishes power for electric tools, washing machine, ironer, etc.
2 | Ceiling Lamp Receptacle GE088. 25-watt lamp is recommended.
4 | Ceiling Lamp Receptacle GE088. 25-watt lamp is recommended.
6 | Ceiling Lamp Receptacle GE088. 25-watt lamp is recommended.
9 | Ceiling Lamp Receptacle GE088. 75-watt lamp is recommended.
12 | Ceiling Lamp Receptacle GE088. 75-watt lamp is recommended.
15 | Ceiling Lamp Receptacle GE088. 25-watt lamp is recommended.

GARAGE

132 | 3-Way Tumbler Switch GE1690, controls No. 132 Light Outside Garage.
133 | 3-Way Tumbler Switch GE1690, controls No. 173 Back Porch Light.
134 | S-P. Tumbler Switch GE1688, controls No. 137 Center Light.
135 | Twin Convenience Outlet GE694, furnishes power for Tungar battery chargers, electric tools and appliances.
137 | Ceiling Lamp Receptacle GE088. 75-watt lamp is recommended.
138 | Ceiling Lamp Receptacle GE088. 75-watt lamp is recommended.

* The numbers in this column identify the outlets shown on floor plan.

A Backward Look

"BEFORE mounting the stairs to the second floor, we throw on the light in the hall above by means of a Tumbler Switch close by the lower step. In this upper hall there is literally a switch at every door, for, if we so desire, we can turn the hall light off or on through switches that are equally convenient to each of the three bed rooms. No matter where one is sleeping, he can light up the hall without going beyond his door in case of any night alarm or emergency.

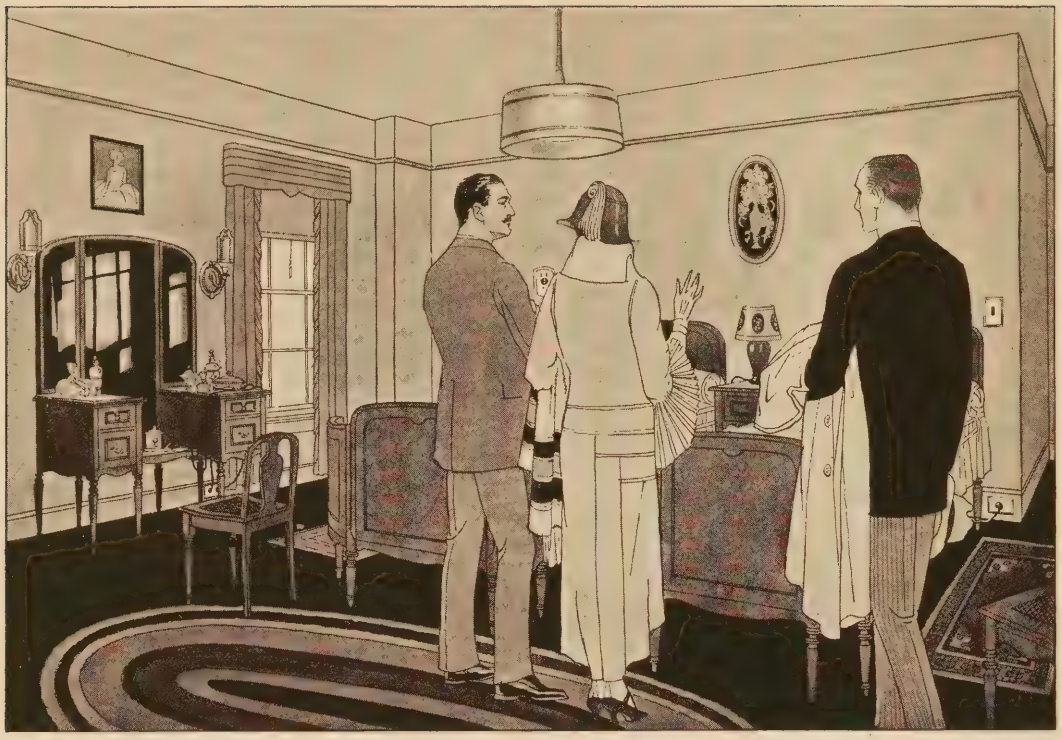
"At the head of the stairs we pause a moment to look back and watch the lower lights fade out as we tip the switch that controls them. To the mistress of a completely wired home, the backward look is at more than a literal darkness; in fancy it travels to the days, not so long past, when any measure of home comfort was practically unknown.

"Where now she flashes a pathway of light in any direction—to the right or left, above or below—she had formerly to grope through dark halls and rooms until with lighted match she could kindle a feeble oil lamp or gas burner. Where once, with painful labor, she wielded broom and brush to secure an imperfect cleanliness, a vacuum cleaner now takes over the work and does it a hundredfold better. Where, in the recent past, long hours were spent over washtub and ironing board, the laundry is now a mere matter of machines that operate at the turn of a switch.

"All these thoughts are in the mind of the modern homemaker as she looks back at the years that were. With her, let us now turn from the darkened stairs to the bright path that leads to more of the Hundred Comforts which a complete wiring system has brought into her life.

"In these few years electricity has done more than make light a ready convenience, a personal safeguard, and an artistic decoration in the home; it has done more than become the domestic worker—the strong, competent right arm of the household. It has also kept pace with the progress of hygienic science and with the new standards of comfort that minister as well to health.

"In the past, the descent of hot weather was, with most people, a thing to be dreaded and suffered, but not to be avoided nor to any extent mitigated. Physical discomfort and nervous strain resulted in lower vitality, especially among small children and invalids. Today, the occupants of properly wired homes can, by the use of electric fans, enjoy a very considerable immunity from summer ills. On the other hand, when keen winds begin to blow and the chill drafts of fall make favorite corners of the house uncomfortable and even dangerous, the ready service of electricity, in the form of a portable heater, is available wherever there is an outlet and contributes to the family health in a way that was never known in the past. Then too, in times of illness, it is no small matter to have instantly available a heating pad instead of the hot-water bottle that our parents used—or an immersion heater for the recurring needs of the sick room."



The Bed Rooms

"IN looking through the bed rooms you will be surprised at the amount of solid comfort provided for by a simple wiring installation. Of course you want these rooms to be dainty and pretty, but above all you look for comfort. As we enter one of these rooms, we throw on the ceiling light by means of a three-way switch just inside the door.

"The most used lights in a bedroom are those at the dressing table. Here we have a wall light on each side separately controlled by a pull chain. This, however, is but a part of the electrical comfort that complete wiring brings to the toilet. Close by the dressing table, in the baseboard, is a Twin Convenience Outlet for the use of a curling iron, an immersion heater, or perhaps a vibrator.

"When one is entertaining house guests, there is a very real satisfaction—and even pride—in being able to put modern comfort and unexpected little conveniences at their disposal. The furnishing of the guest room is the expression of your hospitality, and for that reason you will often have occasion to congratulate yourself on the electrical equipment that makes this room a little home in itself. Many women carry electrical toilet appliances when they travel, and the facility for their use, which complete wiring affords, will give your friends a delightful impression of the modern service that you have built into your house.

"Let me show you another convenience. Please open the door of that closet. See! A lamp within is instantly lighted by means of a switch that is automatically released when

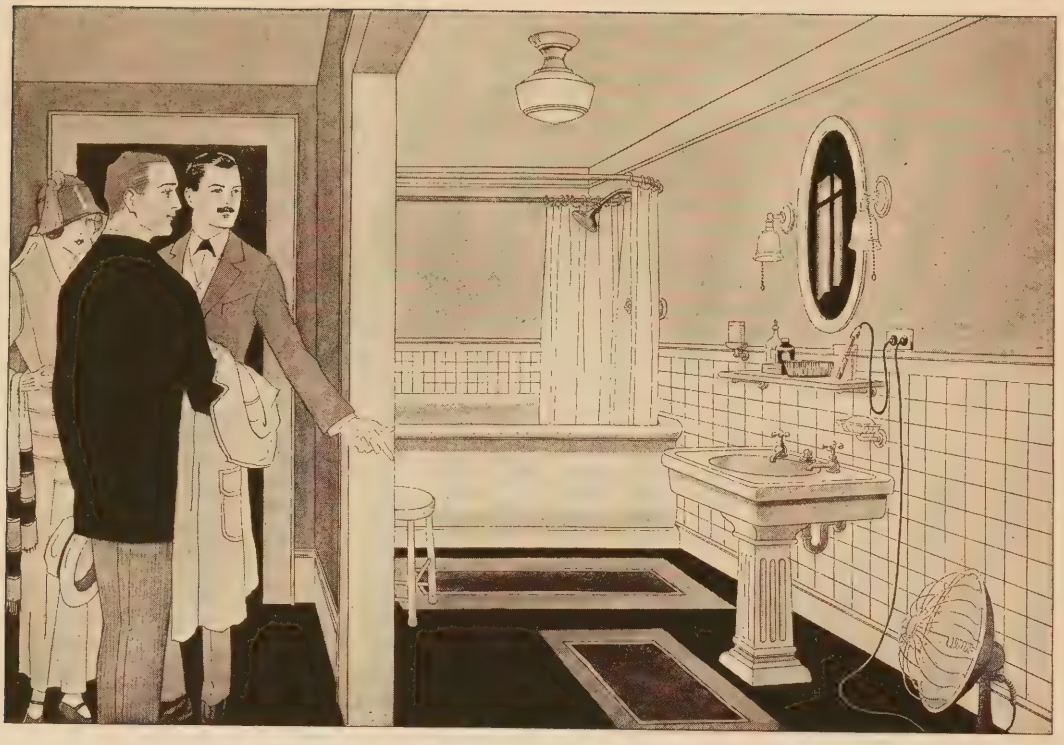
you open the door. When you close the door, the light goes out. Complete wiring extends to every corner and is especially planned for the place, like this, where it is most needed. All the closets in this house are thus equipped. Some people prefer a Tumbler Switch on the side of the door. In either case you have convenient control of lights in dark closets.

"At two other places in the baseboard you see Convenience Outlets and, almost above them, wall lights. These are for your desk—wherever you care to place it. You can have either a small portable lamp, connected to the outlet, or you can use the lamp in the fixture. Complete wiring accommodates itself to any disposition of the furniture that is most convenient.

"When retiring, you need light until the very last moment. For that reason a three-way switch is placed at the head of one of these twin beds. It controls the ceiling light which we threw on by means of the switch inside the door. Of all the switches in the house this is the most important if you are awakened by any noise or alarm in the night. Perhaps baby is crying or the telephone is ringing. A single move of your arm and the flooding light makes you master of the situation.

"These switches are the guardians of your slumber and the watchmen of your home. You need not lose a second in finding any switch if the metal plate is equipped with a 'Radieye.' This is a screw, the head of which is made luminous by radium. It takes the place of the upper screw that helps secure the plate to the wall, and in the dark is a sure guide to the finger no matter how great your hurry or possible confusion. It is well to have a 'Radieye' on every Tumbler Switch. For those who like to read in bed, a Convenience Outlet has been inserted in the baseboard. To this a small lamp can be attached and placed on a table close by.

"This bed room is completely wired with five wall outlets, a ceiling outlet, four Convenience Outlets, two Tumbler Switches, and a door switch and light for the closet. The other bed rooms have similar equipment arranged to provide maximum comfort and convenience in each room."



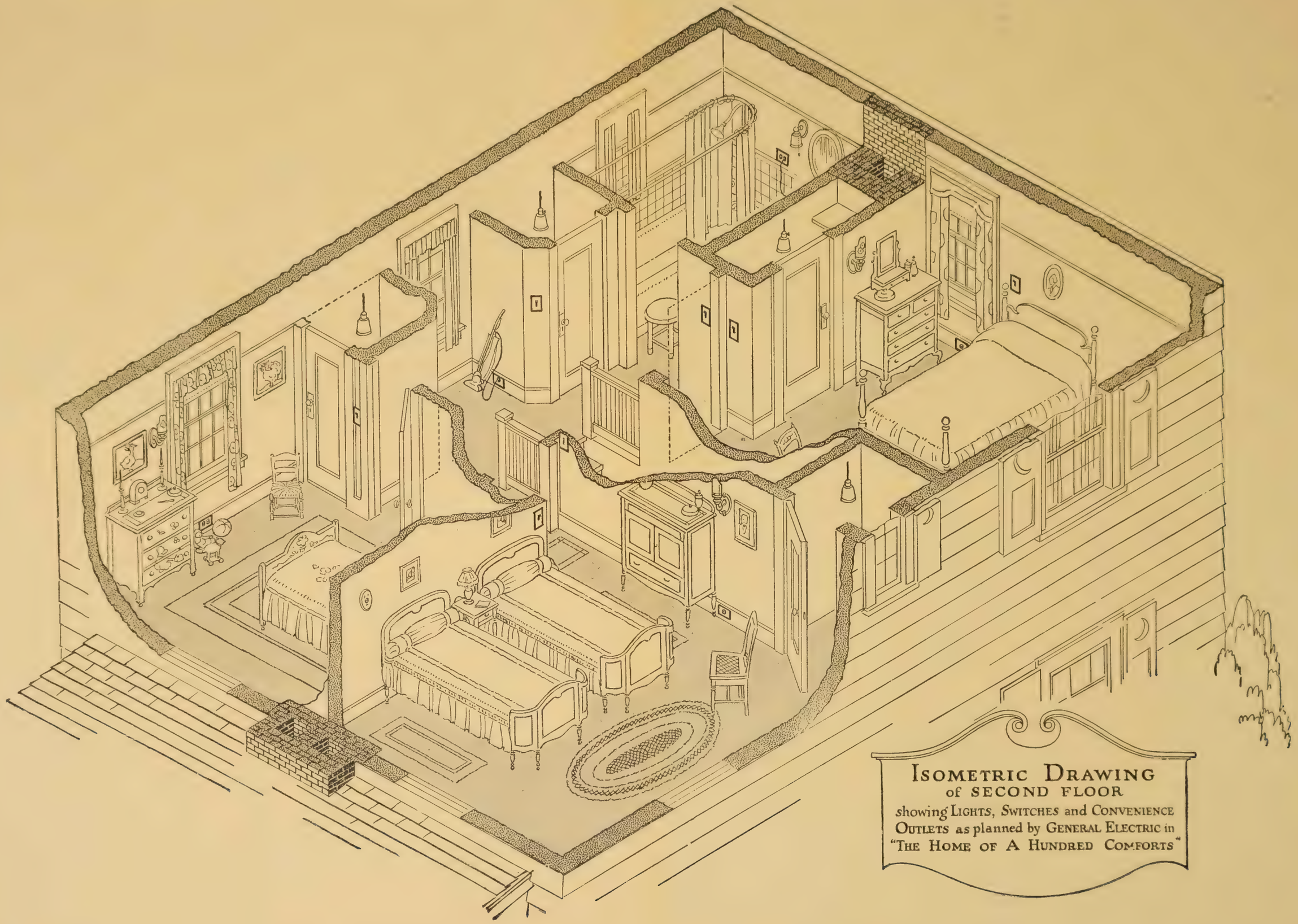
The Bath Room

"AS we open the bath room door, we tip this Tumbler Switch and throw on the overhead light. The wall lights, one at each side of the mirror, are controlled by insulated pull chains in porcelain sockets. To complete the assembly of toilet facilities, a Twin Convenience Outlet is placed in the wall just above the tiled wainscoting and directly over the wash stand. To this can be attached an immersion heater when a little hot water is required—as for shaving—and also a portable heater. Could convenience and comfort be more efficiently served? Thus the bath room is completely wired with only one switch, one Convenience Outlet, and three lights."

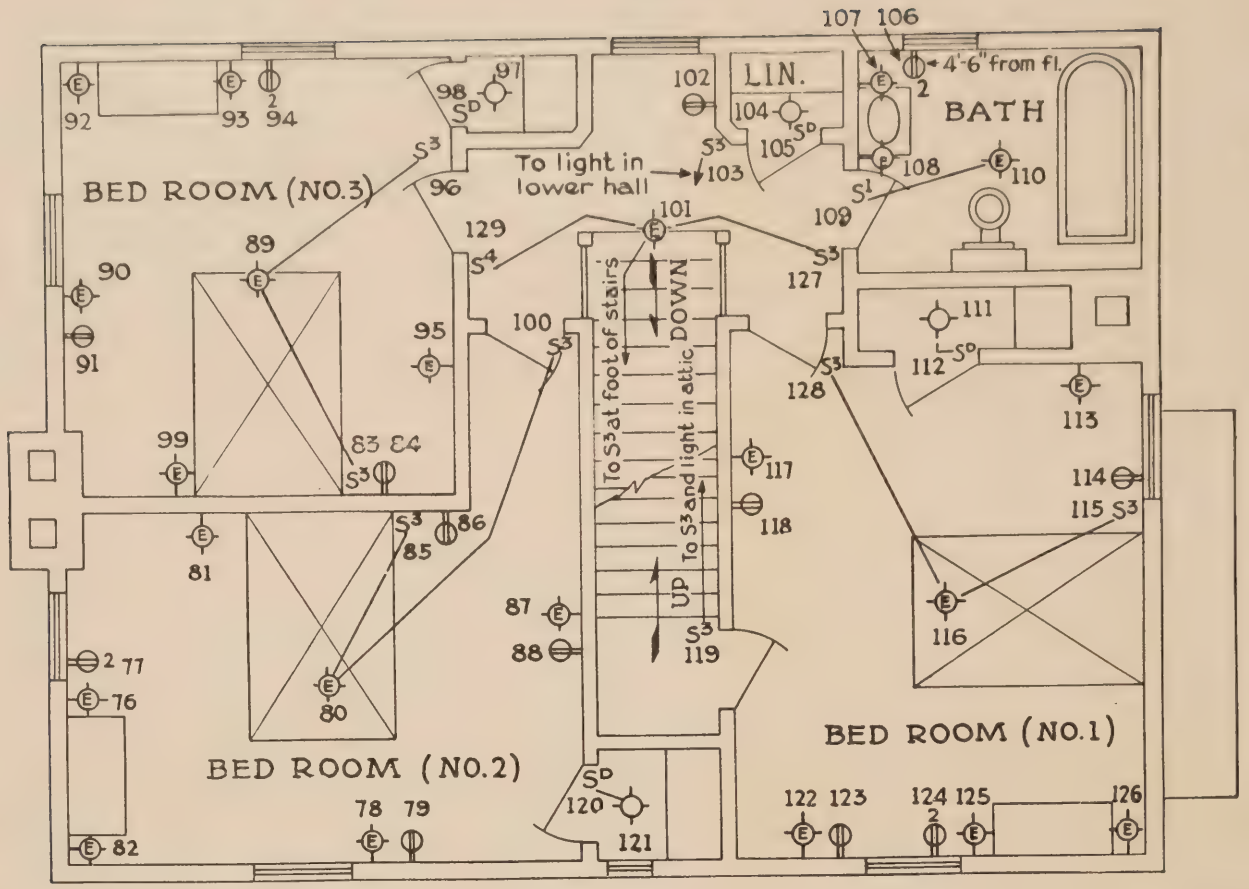
The Attic

"Before leaving this floor, let us take a peep at the attic stairs. Here is a three-way Tumbler Switch that throws on the lights above. Once in the attic, you can throw the same lights off or on by means of a corresponding switch.

"The attic is always likely to be a place where dry, inflammable possessions are stored —trunks, boxes, unused furniture, and the like. In an unwired house there is grave danger of fire if one carries a lamp or candle there while in search of any object. The electric light does away entirely with this peril. If it had only this one advantage it would be well worth installing for the protection it affords. Of course the wiring should be skillfully done and with the best material."



Isometric Drawing
of SECOND FLOOR
showing Lights, Switches and Convenience Outlets as planned by General Electric in "The Home of A Hundred Comforts"



Total Outlets—56

Type of Outlet	2nd Floor	Attic
Wall Switch Outlets	10	2
Door Switch Outlets	4	
Wall Light Outlets	17	
Ceiling Light Outlets	9	1
Convenience Outlets	13	

Second Floor Outlet Diagram

KEY

= Ceiling Outlet

= Ceiling Outlet for Extensions (Elexits)

= Wall Outlets for Extensions (Elexits)

= Single Convenience Outlet

= Double Convenience Outlet

S^1 = Single-pole Tumbler Switch

S^2 = Double-pole Tumbler Switch

S^3 = Three-way Tumbler Switch

S^4 = Four-way Tumbler Switch

S^D = Door Switch

NOTE.—Where Elexits are indicated other types of outlets may be substituted.

* | UPPER HALL

103 | 3-Way Tumbler Switch GE1690, controls No. 38 Lower Hall Light.
129 | 4-Way Tumbler Switch GE1691, controls No. 101 Upper Hall Light.
127 | 3-Way Tumbler Switch GE1690, controls No. 101 Upper Hall Light.
102 | Single Convenience Outlet GE658, furnishes power for lamp, fan, vacuum cleaner, etc.
101 | Ceiling Elexit LX200. 50-watt lamp is recommended.

LINEN CLOSET

105 | Door Switch GE273, controls No. 104 Drop Light.
104 | Ceiling Lamp Receptacle GE264. 25-watt lamp is recommended.

BATH ROOM

109 | S-P. Tumbler Switch GE1688, controls No. 110 Ceiling Elexit.
106 | Twin Convenience Outlet GE694, furnishes power for immersion heater, glow heater, etc.
107 | Wall Elexit LX111. 25-watt (brackets alone 50-watt) lamp is recommended.
108 | Wall Elexit LX111. 25-watt (brackets alone 50-watt) lamp is recommended.
110 | Ceiling Elexit LX200. 75-watt lamp is recommended.

BED ROOM NO. 1

128 | 3-Way Tumbler Switch GE1690, controls No. 116 Ceiling Elexit.
115 | 3-Way Tumbler Switch GE1690, controls No. 116 Ceiling Elexit.
112 | Door Switch GE273, controls No. 111 Closet Drop Light.
118, 123, 114 | Single Convenience Outlet GE658 — furnishes power for lamps, vacuum cleaner, sewing machine, etc.
124 | Twin Convenience Outlet GE694, furnishes power for lamps, toilet accessories, etc.
113 | Wall Elexit LX111. 25-watt lamp is recommended.
117 | Wall Elexit LX111. 25-watt lamp is recommended.
122 | Wall Elexit LX111. 25-watt lamp is recommended.
125 | Wall Elexit LX111. 25-watt lamp is recommended.
126 | Wall Elexit LX111. 25-watt lamp is recommended.
116 | Ceiling Elexit LX200. 100-watt lamp is recommended.
111 | Ceiling Lamp Receptacle GE264. 25-watt lamp is recommended.

* | BED ROOM NO. 2

100 | 3-Way Tumbler Switch GE1690, controls No. 80 Ceiling Elexit.
85 | 3-Way Tumbler Switch GE1690, controls No. 80 Ceiling Elexit.
120 | Door Switch GE273, controls No. 121 Closet Drop Light.
86, 88, 79 | Single Convenience Outlet GE658 — furnishes power for lamps, vacuum cleaner, sewing machines, etc.
77 | Twin Convenience Outlet GE694, furnishes power for lamps, toilet accessories, etc.
81 | Wall Elexit LX111. 25-watt lamp is recommended.
76 | Wall Elexit LX111. 25-watt lamp is recommended.
82 | Wall Elexit LX111. 25-watt lamp is recommended.
78 | Wall Elexit LX111. 25-watt lamp is recommended.
87 | Wall Elexit LX111. 25-watt lamp is recommended.
80 | Ceiling Elexit LX200. 100-watt lamp is recommended.
121 | Ceiling Lamp Receptacle GE264. 25-watt lamp is recommended.

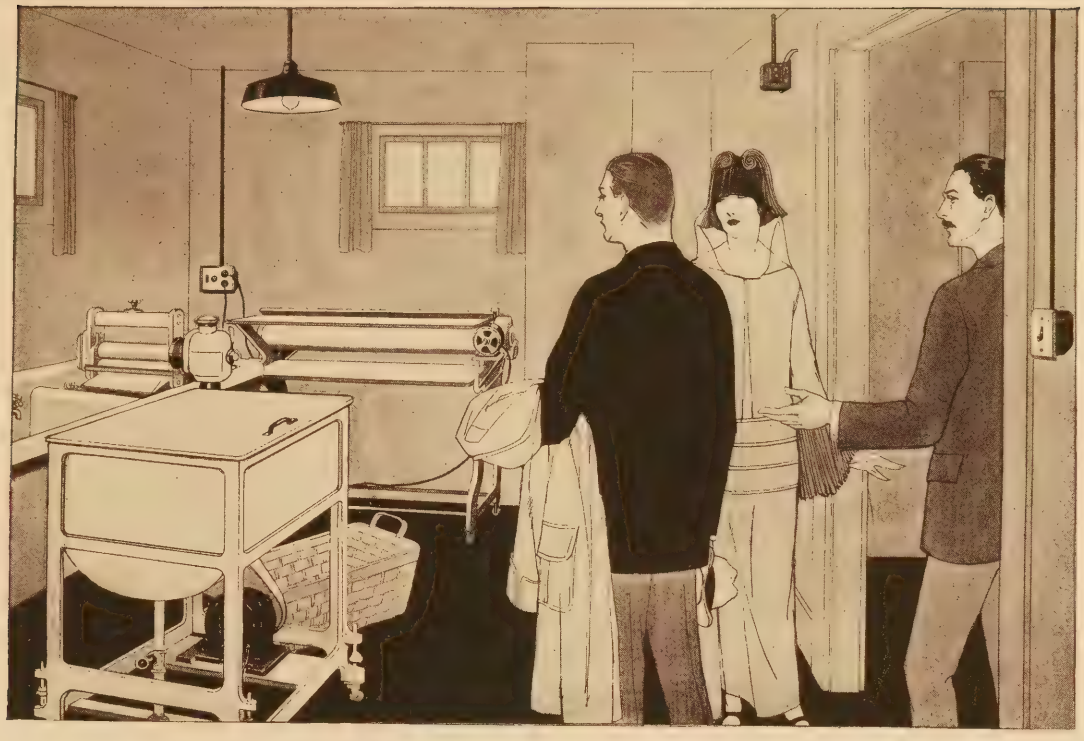
BED ROOM NO. 3

96 | 3-Way Tumbler Switch GE1690, controls No. 89 Ceiling Elexit.
83 | 3-Way Tumbler Switch GE1690, controls No. 89 Ceiling Elexit.
98 | Door Switch GE273, controls No. 97 Closet Drop Light.
84, 91 | Single Convenience Outlet GE658 — furnishes power for lamps, electric toys, milk warmer, vacuum cleaner, etc.
94 | Twin Convenience Outlet GE694, furnishes power for candlesticks, vibrator, glow heater, etc.
95 | Wall Elexit LX111. 25-watt lamp is recommended.
99 | Wall Elexit LX111. 25-watt lamp is recommended.
90 | Wall Elexit LX111. 25-watt lamp is recommended.
92 | Wall Elexit LX111. 25-watt lamp is recommended.
93 | Wall Elexit LX111. 25-watt lamp is recommended.
89 | Ceiling Elexit LX200. 75-watt lamp is recommended.
97 | Ceiling Lamp Receptacle GE264. 25-watt lamp is recommended.

ATTIC

119 | 3-Way Tumbler Switch GE1690, controls Center Drop Light.
130 | 3-Way Tumbler Switch GE1690, controls Center Drop Light.
131 | Ceiling Lamp Receptacle GE264. 75-watt lamp is recommended.

*The numbers in the first column identify the outlets shown on floor plan.



The Cellar

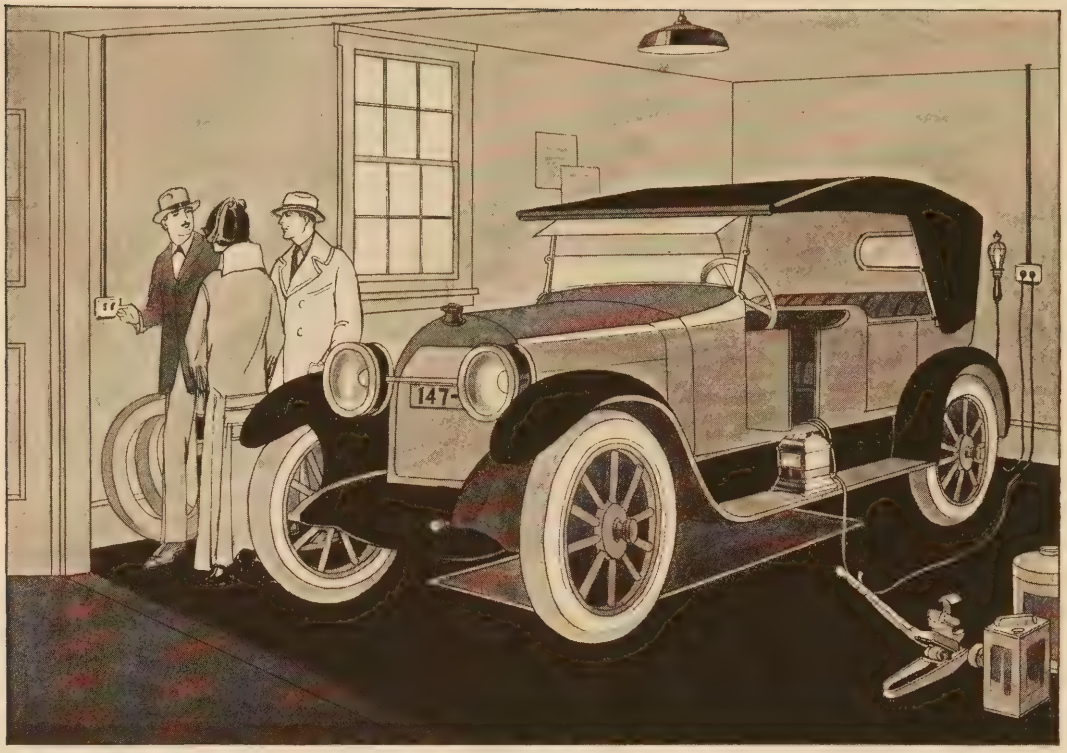
"BEFORE descending to the cellar we tip this Tumbler Switch in the rear hall, which lights the little red warning lamp and at the same time throws on a light in the center of the main cellar. There are lamps—in porcelain sockets—in the laundry, the heater room, the vegetable cellar, and in the coal bin. These are controlled by Tumbler Switches of what we call the 'surface type,' the best for this family workshop.

"In the laundry, waist high, is a Twin Convenience Outlet for the washing and the ironing machine or for an electric iron. There is another outlet in the main cellar for the use of such appliances as electric soldering irons, glue pots, and little motors. There is also an outlet in the heater room for an extension trouble light or perhaps an electric fan.

"That little device high up on the wall is known as a Bell-Ringing Transformer. It operates the door bell from the lighting current at almost no cost, and does away with the trouble and expense of door bell batteries.

"You will note that here the supply of current enters the house. Close by the meter is a Safety Switch that shuts off the current when repairs or changes are being made in your electrical service. Nearby is a Safety Distribution Panel which automatically discontinues the supply of electricity at any point where too great a demand is being made. These simple safeguards afford entire protection to the wired home.

"This completes our survey of the house. As you have by this time realized, its wiring system is a unit with special adaptations. This unity, with the same comfort, convenience, and economy, is extended to the garage, which we shall now visit and which we may well imagine to be just another room in the Home of a Hundred Comforts."



The Garage

"THE outside light over the door of the garage is controlled by this three-way Tumbler Switch, also placed outside. The switch inside the door controls the overhead light with its metal reflector. Another light, over the bench, furnishes special intensity when needed there, and here is a switch to light up the rear porch from the garage before you enter the house at night.

"The Twin Convenience Outlet by the work bench is for the use of electrical tools when the owner makes his own repairs. With this outlet he can use an electric soldering iron and glue pot and can obtain power for a small motor. He can also connect a portable heater. The outlet in the opposite wall is convenient for charging batteries by means of a Tungar Battery Charger and for a trouble light about the car.

Quality Material and Complete Wiring

"One thought I especially want you to carry away. From long experience with all makes of wiring material we *know* that it pays to use the highest quality that the market affords.

"We wish that all owners of inadequately wired houses could contrast their equipment with that in this house. They may have supposed that they were getting electrical service, but as a matter of fact, they have had no opportunity to experience personally the untold advantages—the comfort, convenience, and economy—of a Complete Wiring System."

If Necessary—

THE house that has been shown on the foregoing pages was selected as being a universal and desirable type of the average one-family residence. It is, however, more than an average residence. In so far as its adaptability to complete wiring is concerned, it is *every* home.

The same path of light can be spread in a cottage, or flat, or mansion. It was necessary to choose a single set of plans on which to draw the path, but it can be made to wind through *every* set of plans. The Home of a Hundred Comforts is the result of a complete wiring system installed by a Qualified Contractor. Such a system is described in this book; the Qualified Contractor lives in your town. You may know him by his adherence to high standards of work and material, by his consistent opposition to "price bidding," by the fair repute of his work, and by the comfort which his clients find in his installations.

When you have selected the plans for your new house, take them, *together with this book*, to a Qualified Contractor. An evidence of his qualification will be his immediate grasp of the whole wiring system and his ability to adapt it to your future home. As a further evidence of his standing, you will find him heartily appreciative of your desire to make your installation a permanent investment—not a cheap makeshift. His reputation depends in part on your ultimate satisfaction, on your future realization of a hundred comforts in your home.

When you pour water into an oddly shaped vessel, its fluidity permits it to fill every space. The principles indicated in this book have the same property. Under the contractor's guiding hand, the wires will be led to every nook, and outlets will furnish the same convenience in any type of house as in the one which we have been studying.

While you undoubtedly realize that the comfort of your home is measured by its convenience, yet comfort and convenience are both relative quantities.

The complete wiring system, described in the previous pages of this book, is the result of the best judgment of many people who are giving their lives to a study of the services that electricity can render, after carefully balancing the elements of convenience and cost.

With the realization, however, that convenience is a relative quantity, two alternative diagrams are presented on the following pages for the benefit of those who judge convenience by a somewhat different standard.

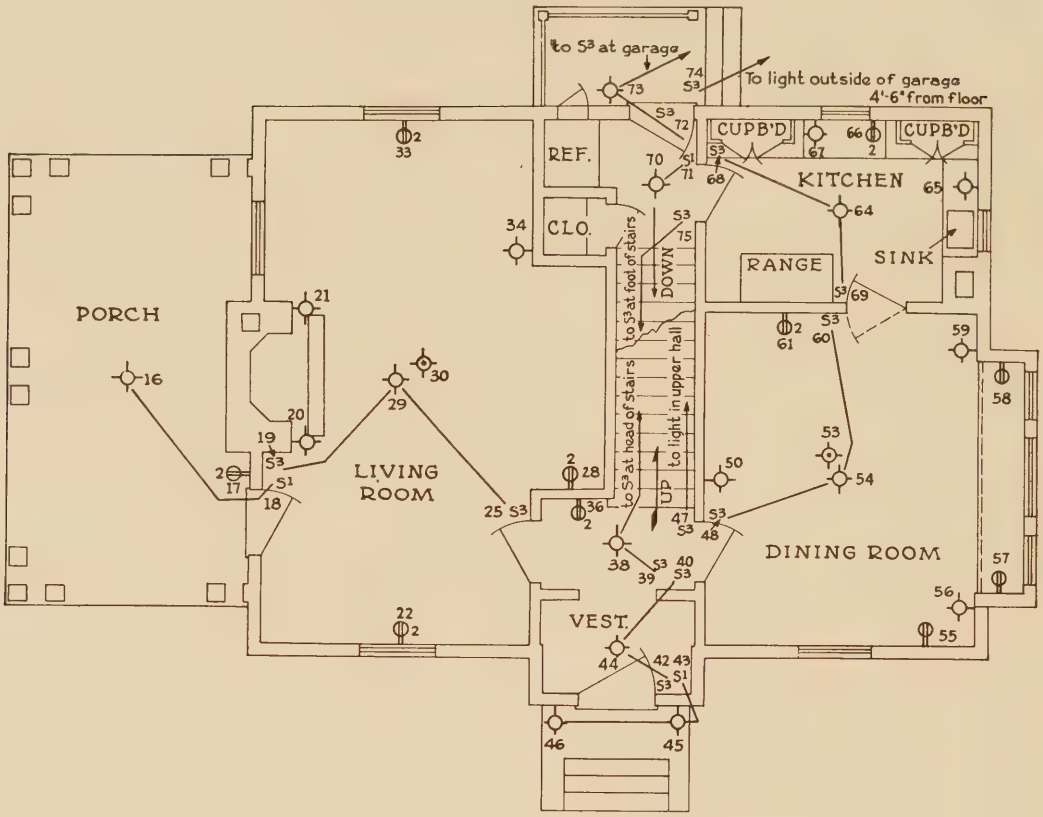
The first of these shows the ideal layout reduced to the bare necessities that will provide reasonable electrical convenience. As compared with a house wired in the usual imperfect way, this installation is desirable and serviceable.

The second alternative, printed on pages 26 and 28, may be characterized as a compromise between the two. It includes the essential conveniences of the first alternative and adds some of the contributions to comfort and security which go to make up the ideal wiring of The Home of a Hundred Comforts.

You are earnestly advised, however, to think and figure carefully before finally deciding on either of the alternative plans. It is suggested that you secure comparative estimates from a Qualified Contractor, covering each of the three plans separately. Beside these sums, set the difference in comfort and convenience that they represent—a comfort and convenience with which you may have to be content for a lifetime. Then ask yourself if the moment's difference in expense is not insignificant as compared with the difference in electrical service that must continue through the years.

Alternative Outlet Diagram No. 1

First Floor



Total Outlets—66

Type of Outlet	1st Floor	Cellar	Garage
Wall Switch Outlets	16	6	3
Wall Light Outlets	10		
Ceiling Light Outlets	7	6	2
Convenience Outlets	12	3	1

KEY

= Ceiling Outlet

= Wall Outlet

= Single Convenience Outlet

= Double Convenience Outlet

= Floor Outlet

S^1 = Single-pole Tumbler Switch

S^2 = Double-pole Tumbler Switch

S^3 = Three-way Tumbler Switch

S^4 = Four-way Tumbler Switch

Specifications for Alternative Diagram No. 1
First Floor

* | VESTIBULE

42 | 3-Way Tumbler Switch GE1690, controls No. 44 Ceiling Light.

43 | S-P. Tumbler Switch GE1688, controls Nos. 45 and 46 Entrance Lights.

44 | Ceiling Lamp Receptacle GE264, 25-watt lamp is recommended.

HALL

39 | 3-Way Tumbler Switch GE1690, controls No. 38 Ceiling Light.

40 | 3-Way Tumbler Switch GE1690, controls No. 44 Vestibule Light

47 | 3-Way Tumbler Switch GE1690, controls No. 101 Upper Hall Ceiling Light.

36 | Twin Convenience Outlet GE694, furnishes power for table lamp, vacuum cleaner, etc.

LIVING ROOM

25 | 3-Way Tumbler Switch GE1690, controls No. 29 Ceiling Light.

19 | 3-Way Tumbler Switch GE1690, controls No. 29 Ceiling Light.

18 | S-P. Tumbler Switch GE1688, controls No. 16 Ceiling Light.

22 | Twin Convenience Outlet GE694 }
33 | Twin Convenience Outlet GE694 } furnishes power for portable lamps, electrically operated musical instruments, vacuum cleaners, fans, etc.
28 | Twin Convenience Outlet GE694 }
30 | Single Convenience Outlet GE658 }

20 | Wall Fixture Outlet. 25-watt lamp is recommended.

21 | Wall Fixture Outlet. 25-watt lamp is recommended.

34 | Wall Fixture Outlet. 50-watt lamp is recommended.

29 | Ceiling Lamp Receptacle GE264. 200-watt lamp is recommended.

SUN PORCH

17 | Twin Convenience Outlet GE694, furnishes power for portable lamps, fan, cooking appliances, vacuum cleaner, etc.

16 | Ceiling Lamp Receptacle GE264. 75-watt lamp is recommended.

DINING ROOM

48 | 3-Way Tumbler Switch GE1690, controls No. 54 Ceiling Light.

60 | 3-Way Tumbler Switch GE1690, controls No. 54 Ceiling Light.

55 | Single Convenience Outlet GE658 }
57 | Single Convenience Outlet GE658 } furnishes power for cooking appliances, electric candlesticks, glow heater, fan, vacuum cleaner, etc.
58 | Single Convenience Outlet GE658 }
61 | Twin Convenience Outlet GE694 }
53 | Single Convenience Outlet GE658 }

50 | Wall Fixture Outlet. 30-watt lamp is recommended.

56 | Wall Fixture Outlet. 30-watt lamp is recommended.

59 | Wall Fixture Outlet. 30-watt lamp is recommended.

54 | Ceiling Lamp Receptacle GE264. 100-watt lamp is recommended.

* | KITCHEN

69 | 3-Way Tumbler Switch GE1690, controls No. 64 Ceiling Light.

68 | 3-Way Tumbler Switch GE1690, controls No. 64 Ceiling Light.

66 | Twin Convenience Outlet GE694, furnishes power for fan, utility motor, beaters, iron, etc.

65 | Wall Fixture Outlet. 25-watt lamp is recommended.

67 | Wall Fixture Outlet. 25 watt lamp is recommended.

64 | Ceiling Lamp Receptacle GE264. 100-watt lamp is recommended.

BACK HALL AND PORCH

75 | 3-Way Tumbler Switch GE1690, controls No. 12 Main Cellar Light.

71 | S-P. Tumbler Switch GE1688, controls No. 70 Hall Center Light.

72 | 3-Way Tumbler Switch GE1690, controls No. 73 Back Porch Light.

74 | 3-Way Tumbler Switch GE1690, controls No. 132 Light Outside Garage.

70 | Ceiling Fixture Outlet GE264. 25-watt lamp is recommended.

73 | Wall Fixture Outlet. 25-watt lamp is recommended.

CELLAR

11 | 3-Way Tumbler Switch GE1690, controls No. 12 Main Cellar Light.

1 | S-P. Surface Tumbler Switch GE970, controls No. 2 Heater Room Light.

5 | S-P. Surface Tumbler Switch GE970, controls No. 4 Fuel Room Light

7 | S-P. Surface Tumbler Switch GE970, controls No. 6 Storage Room Light.

8 | S-P. Surface Tumbler Switch GE970, controls No. 9 Laundry Light.

14 | S-P. Surface Tumbler Switch GE970, controls No. 15 Vegetable Room Light.

3 | Single Convenience Outlet GE658, furnishes power for trouble light, fan, etc.

10 | Twin Convenience Outlet GE694 } furnishes power for electric tools,
13 | Twin Convenience Outlet GE694 } washing machine, ironer, etc.

2 | Ceiling Lamp Receptacle GE088. 25-watt lamp is recommended.

4 | Ceiling Lamp Receptacle GE088. 25-watt lamp is recommended.

6 | Ceiling Lamp Receptacle GE088. 25-watt lamp is recommended.

9 | Ceiling Lamp Receptacle GE088. 75-watt lamp is recommended.

12 | Ceiling Lamp Receptacle GE088. 75-watt lamp is recommended.

15 | Ceiling Lamp Receptacle GE088. 25-watt lamp is recommended.

GARAGE

132 | 3-Way Tumbler Switch GE1690, controls No. 132 Light Outside Garage.

133 | 3-Way Tumbler Switch GE1690, controls No. 73 Back Porch Light.

134 | S-P. Switch GE1688, controls No. 137 Center Light.

135 | Twin Convenience Outlet GE694, furnishes power for Tungar battery chargers, electric tools and appliances.

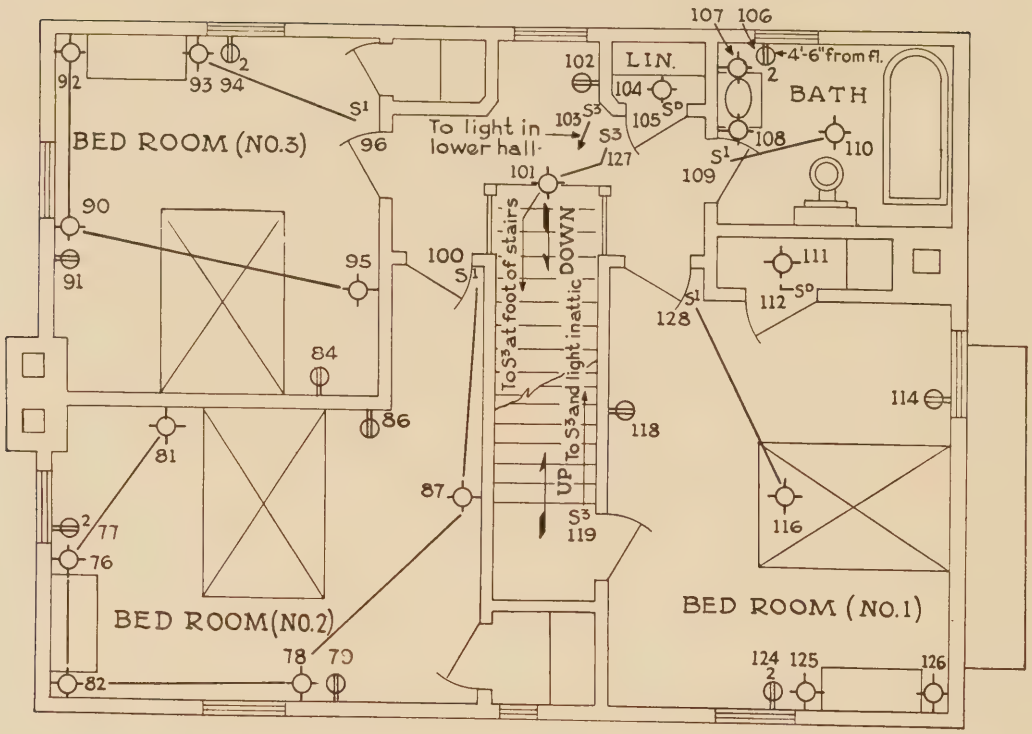
137 | Ceiling Lamp Receptacle GE088. 75-watt lamp is recommended.

138 | Ceiling Lamp Receptacle GE088. 75-watt lamp is recommended.

*The numbers in this column identify the outlets shown on floor plan.

Alternative Outlet Diagram No. 1

Second Floor



Total Outlets—40

Type of Outlet	2nd Floor	Attic
Wall Switch Outlets	6	2
Door Switch Outlets	2	
Wall Light Outlets	13	
Ceiling Light Outlets	5	1
Convenience Outlets	11	

KEY

= Ceiling Outlet

= Wall Outlet

= Single Convenience Outlet

= Double Convenience Outlet

S^1 = Single-pole Tumbler Switch

S^2 = Double-pole Tumbler Switch

S^3 = Three-way Tumbler Switch

S^4 = Four-way Tumbler Switch

S^D = Door Switch

Specifications for Alternative Diagram No. 1
Second Floor

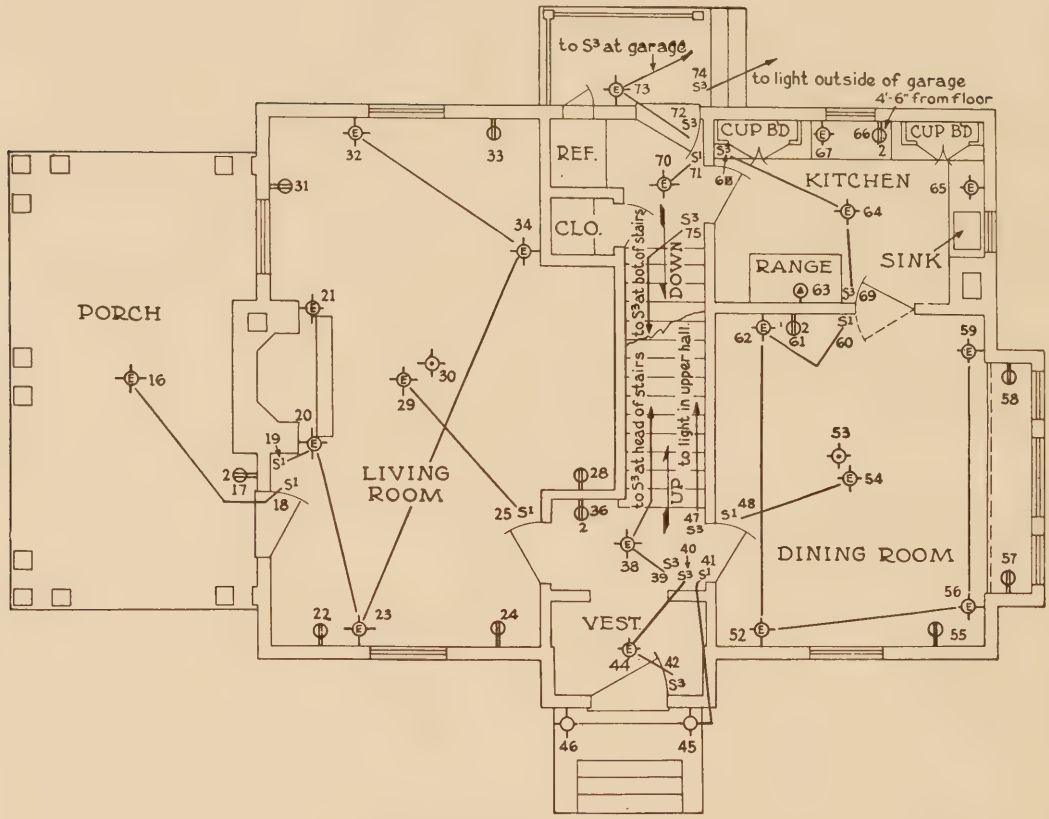
*		
	UPPER HALL	
103	3-Way Tumbler Switch GE1690, controls No. 38 Lower Hall Light.	
127	3-Way Tumbler Switch GE1690, controls No. 101 Upper Hall Light.	
102	Single Convenience Outlet GE658, furnishes power for lamp, fan, vacuum cleaner, etc.	
101	Ceiling Lamp Receptacle GE264. 50-watt lamp is recommended.	
	LINEN CLOSET	
105	Door Switch GE273, controls No. 104 Drop Light.	
104	Ceiling Lamp Receptacle GE264. 25-watt lamp is recommended.	
	BATH ROOM	
109	S-P. Tumbler Switch GE1688, controls No. 110 Ceiling Light.	
106	Twin Convenience Outlet GE694, furnishes power for immersion heater, glow heater, etc.	
107	Wall Fixture Outlet. 25-watt lamp is recommended.	
108	Wall Fixture Outlet. 25-watt lamp is recommended.	
110	Ceiling Lamp Receptacle GE264. 75-watt lamp is recommended.	
	BED ROOM NO. 1	
128	S-P. Tumbler Switch GE1688, controls No. 116 Ceiling Light.	
112	Door Switch GE273, controls No. 111 Closet Drop Light.	
118	Single Convenience Outlet GE658	furnishes power for lamps, vacuum cleaner, sewing machine, etc.
114	Single Convenience Outlet GE658	
124	Twin Convenience Outlet GE694, furnishes power for lamps, toilet accessories, etc.	
125	Wall Fixture Outlet. 25-watt lamp is recommended.	
126	Wall Fixture Outlet. 25-watt lamp is recommended.	
116	Ceiling Lamp Receptacle CE264. 100-watt lamp is recommended.	
111	Ceiling Lamp Receptacle CE264. 25-watt lamp is recommended.	

*		
	BED ROOM NO. 2	
100	S-P. Tumbler Switch GE1688, controls Nos. 87, 78, 82, 76 and 81 Wall Lights.	
86	Single Convenience Outlet GE658, furnishes power for lamps, vacuum cleaner, sewing machine, etc.	
79	Single Convenience Outlet GE658	furnishes power for lamps, toilet accessories, etc.
77	Twin Convenience Outlet GE694	
81	Wall Fixture Outlet. 25-watt lamp is recommended.	
76	Wall Fixture Outlet. 25-watt lamp is recommended.	
82	Wall Fixture Outlet. 25-watt lamp is recommended.	
78	Wall Fixture Outlet. 25-watt lamp is recommended.	
87	Wall Fixture Outlet. 25-watt lamp is recommended.	
	BED ROOM NO. 3	
96	S-P. Tumbler Switch GE1688, controls Nos. 93, 92, 90, 95 Wall Lights.	
84	Single Convenience Outlet GE658	furnishes power for lamps, electric toys, milk warmer, vacuum cleaner, etc.
91	Single Convenience Outlet GE658	
94	Twin Convenience Outlet GE694, furnishes power for candlesticks, vibrator, glow heater, etc.	
95	Wall Fixture Outlet. 25-watt lamp is recommended.	
90	Wall Fixture Outlet. 25-watt lamp is recommended.	
92	Wall Fixture Outlet. 25-watt lamp is recommended.	
93	Wall Fixture Outlet. 25-watt lamp is recommended.	
	ATTIC	
119	3-Way Tumbler Switch GE1690	controls Center Drop Light.
130	3-Way Tumbler Switch GE1690	
131	Ceiling Lamp Receptacle CE264. 75-watt lamp is recommended.	

*The numbers in this column identify the outlets shown on floor plan.

Alternative Outlet Diagram No. 2

First Floor



Total Outlets—74

Type of Outlet	1st Floor	Cellar	Garage
Wall Switch Outlets	16	6	3
Wall Light Outlets	13		
Ceiling Light Outlets	8	6	2
Convenience Outlets	14	3	2
Range Outlet	1		

KEY

= Ceiling Outlet for Extensions (Elexits)

= Wall Outlet

= Wall Outlets for Extensions (Elexits)

= Single Convenience Outlet

= Double Convenience Outlet

= Floor Outlet

= Range Outlet

= Single-pole Tumbler Switch

= Double-pole Tumbler Switch

= Three-way Tumbler Switch

= Four-way Tumbler Switch

NOTE.—Where Elexits are indicated other types of outlets may be substituted.

Specifications for Alternative Diagram No. 2

First Floor

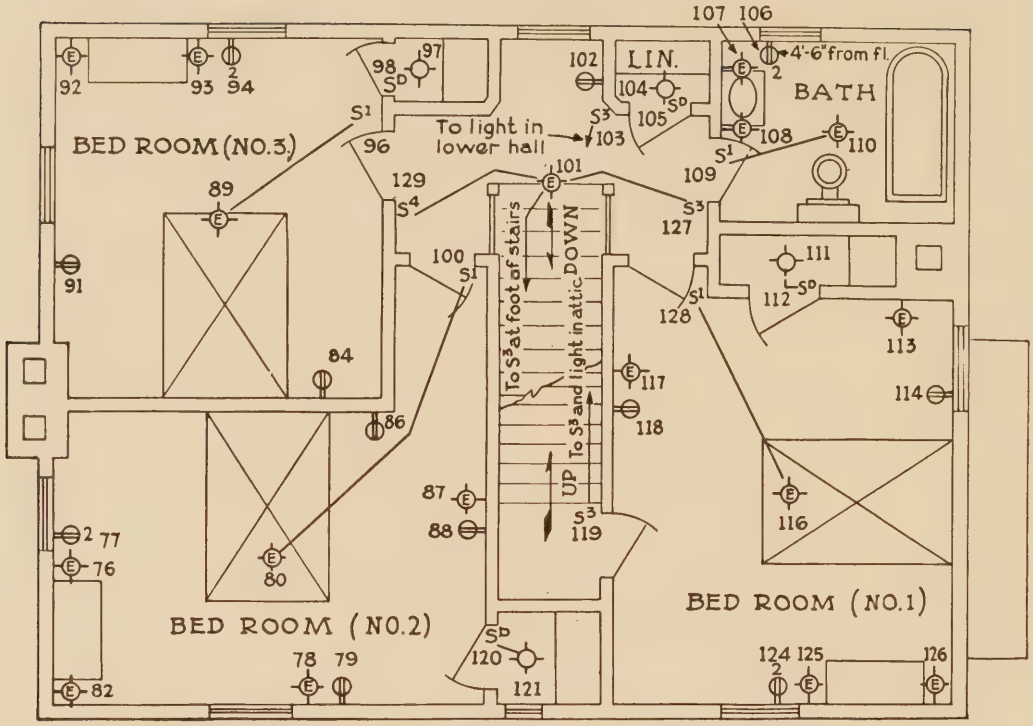
*	
	VESTIBULE
42	3-Way Tumbler Switch GE1690, controls No. 44 Ceiling Elexit.
44	Ceiling Elexit LX200. 25-watt lamp is recommended.
	HALL
39	3-Way Tumbler Switch GE1690, controls No. 38 Ceiling Elexit.
40	3-Way Tumbler Switch GE1690, controls No. 44 Vestibule Elexit.
41	S-P. Tumbler Switch GE1688, controls Nos. 45 and 46 Entrance Lights.
47	3-Way Tumbler Switch GE1690, controls No. 101 Upper Hall Ceiling Elexit.
36	Twin Convenience Outlet GE694, furnishes power for table lamps, vacuum cleaner, etc.
38	Ceiling Elexit LX200. 50-watt lamp is recommended.
	LIVING ROOM
25	S-P. Tumbler Switch GE1688, controls No. 29 Ceiling Elexit.
19	S-P. Tumbler Switch GE1688, controls Nos. 21, 20, 23, 34 and 32 Wall Elexits.
18	S-P. Tumbler Switch GE1688, controls No. 16 Ceiling Elexit.
24	Single Convenience Outlet GE658 }
22	Single Convenience Outlet GE658 } furnishes power for portable
31	Single Convenience Outlet GE658 } lamps, electrically operated
33	Single Convenience Outlet GE658 } musical instruments, vacuum
30	Single Convenience Outlet GE658 } cleaner, fans, etc.
28	Single Convenience Outlet GE658 }
20	Wall Elexit LX111. 25-watt lamp is recommended.
21	Wall Elexit LX111. 25-watt lamp is recommended.
23	Wall Elexit LX111. 30-watt lamp is recommended.
32	Wall Elexit LX111. 30-watt lamp is recommended.
34	Wall Elexit LX111. 30-watt lamp is recommended.
29	Ceiling Elexit LX200. 150-watt lamp is recommended.
	SUN PORCH
17	Twin Convenience Outlet GE694, furnishes power for portable lamps, fan, cooking appliances, vacuum cleaner, etc.
16	Ceiling Elexit LX200. 75-watt lamp is recommended.
	DINING ROOM
48	S-P. Tumbler Switch GE1688, controls No. 54 Ceiling Elexit.
60	S-P. Tumbler Switch GE1688, controls Nos. 62, 52, 56, and 59 Wall Elexits.
55	Single Convenience Outlet GE658 }
57	Single Convenience Outlet GE658 } furnishes power for cooking
58	Single Convenience Outlet GE658 } appliances, electric candle-
53	Single Convenience Outlet GE658 } sticks, glow heaters, fan,
61	Twin Convenience Outlet GE694 } vacuum cleaners, etc.
52	Wall Elexit LX111. 30-watt lamp is recommended.
56	Wall Elexit LX111. 30-watt lamp is recommended.
59	Wall Elexit LX111. 30-watt lamp is recommended.
62	Wall Elexit LX111. 30-watt lamp is recommended.
54	Ceiling Elexit LX200. 150-watt lamp is recommended.

*	
	KITCHEN
69	3-Way Tumbler Switch GE1690, controls No. 64 Ceiling Elexit.
68	3-Way Tumbler Switch GE1690, controls No. 64 Ceiling Elexit.
66	Twin Convenience Outlet GE694, furnishes power for fan, utility motor, beaters, iron, etc.
63	Special Convenience Outlet GE694, furnishes power for electric range.
65	Wall Elexit LX111. 40-watt lamp is recommended.
67	Wall Elexit LX111. 40-watt lamp is recommended.
64	Ceiling Elexit LX200. 75-watt lamp is recommended.
	BACK HALL AND PORCH
75	3-Way Tumbler Switch GE1690, controls No. 12 Main Cellar Light.
71	S-P. Tumbler Switch GE1688, controls No. 70 Hall Center Elexit.
72	3-Way Tumbler Switch GE1690, controls No. 73 Back Porch Light.
74	3-Way Tumbler Switch GE1690, controls No. 132 Light Outside Garage.
70	Ceiling Elexit LX200. 25-watt lamp is recommended.
73	Wall Elexit LX111. 25-watt lamp is recommended.
	CELLAR
11	3-Way Tumbler Switch GE1690, controls No. 12 Main Cellar Light.
1	S-P. Surface Tumbler Switch CE920, controls No. 2 Heater Room Light.
5	S-P. Surface Tumbler Switch GE920, controls No. 4 Fuel Room Light.
7	S-P. Surface Tumbler Switch GE920, controls No. 6 Storage Room Light.
8	S-P. Surface Tumbler Switch GE920, controls No. 9 Laundry Room Light.
14	S-P. Surface Tumbler Switch GE920, controls No. 15 Vegetable Room Light.
3	Single Convenience Outlet GE658, furnishes power for trouble light, fan, etc.
10	Twin Convenience Outlet GE694 } furnishes power for electric tools,
13	Twin Convenience Outlet GE694 } washing machine, ironer, etc.
2	Ceiling Lamp Receptacle GE088. 25-watt lamp is recommended.
4	Ceiling Lamp Receptacle GE088. 25-watt lamp is recommended.
6	Ceiling Lamp Receptacle GE088. 25-watt lamp is recommended.
9	Ceiling Lamp Receptacle GE088. 75-watt lamp is recommended.
12	Ceiling Lamp Receptacle GE088. 75-watt lamp is recommended.
15	Ceiling Lamp Receptacle CE088. 25-watt lamp is recommended.
	GARAGE
132	3-Way Tumbler Switch GE1690, controls No. 132 Light Outside Garage.
133	3-Way Tumbler Switch GE1690, controls No. 73 Back Porch Light.
134	S-P. Tumbler Switch CE1688, controls No. 137 Center Light.
135	Twin Convenience Outlet GE694 } furnishes power for Tungar
136	Twin Convenience Outlet GE694 } battery chargers, electric tools and appliances.
137	Ceiling Lamp Receptacle GE088. 75-watt lamp is recommended.
138	Ceiling Lamp Receptacle GE088. 75-watt lamp is recommended.

*The numbers in this column identify the outlets shown on floor plan.

Alternative Outlet Diagram No. 2

Second Floor



Total Outlets—47

Type of Outlet	2nd Floor	Attic
Wall Switch Outlets	7	2
Door Switch Outlets	4	
Wall Light Outlets	12	
Ceiling Light Outlets	9	1
Convenience Outlets	12	

KEY

= Ceiling Outlet

= Ceiling Outlet for Extensions (Elexits)

= Wall Outlets for Extensions (Elexits)

= Single Convenience Outlet

= Double Convenience Outlet

S^1 = Single-pole Tumbler Switch

S^2 = Double-pole Tumbler Switch

S^3 = Three-way Tumbler Switch

S^4 = Four-way Tumbler Switch

S^D = Door Switch

NOTE.—Where Elexits are indicated other types of outlets may be substituted.

Specifications for Alternative Diagram No. 2
Second Floor

*		
	UPPER HALL	
103	3-Way Tumbler Switch GE1690, controls No. 38 Lower Hall Light.	
129	4-Way Tumbler Switch GE1691, controls No. 101 Upper Hall Light.	
127	3-Way Tumbler Switch GE1690, controls No. 101 Upper Hall Light.	
102	Single Convenience Outlet GE658, furnishes power for lamp, fan, vacuum cleaner, etc.	
101	Ceiling Elexit LX200. 50-watt lamp is recommended.	
	LINEN CLOSET	
105	Door Switch GE273, controls No. 104 Drop Light.	
104	Ceiling Lamp Receptacle GE264, 25-watt lamp is recommended.	
	BATH ROOM	
109	S-P. Tumbler Switch GE1688, controls No. 110 Ceiling Elexit.	
106	Twin Convenience Outlet GE694, furnishes power for immersion heater, glow heater, etc.	
107	Wall Elexit LX111. 25-watt lamp is recommended.	
108	Wall Elexit LX111. 25-watt lamp is recommended.	
110	Ceiling Elexit LX200. 75-watt lamp is recommended	
	BED ROOM NO. 1	
128	S-P. Tumbler Switch GE1688, controls No. 116 Ceiling Elexit.	
112	Door Switch GE273, controls No. 111 Closet Drop Light.	
118	Single Convenience Outlet GE658	furnishes power for lamps, vacuum cleaner, sewing machine, etc.
114	Single Convenience Outlet GE658	
124	Twin Convenience Outlet GE694, furnishes power for lamps, toilet accessories, etc.	
113	Wall Elexit LX111. 25-watt lamp is recommended.	
117	Wall Elexit LX111. 25-watt lamp is recommended.	
125	Wall Elexit LX111. 25-watt lamp is recommended.	
126	Wall Elexit LX111. 25-watt lamp is recommended.	
116	Ceiling Elexit LX200. 75-watt lamp is recommended.	
111	Ceiling Lamp Receptacle GE264. 25-watt lamp is recommended.	

*		
	BED ROOM NO. 2	
100	S-P. Tumbler Switch GE1688, controls No. 80 Ceiling Elexit.	
120	Door Switch GE273, controls No. 121 Closet Drop Light.	
86	Single Convenience Outlet GE658	furnishes power for lamps, vacuum cleaner, sewing machine, etc.
88	Single Convenience Outlet GE658	
79	Single Convenience Outlet GE658	
77	Twin Convenience Outlet GE694, furnishes power for lamps, toilet accessories, etc.	
76	Wall Elexit LX111. 25-watt lamp is recommended.	
82	Wall Elexit LX111. 25-watt lamp is recommended.	
78	Wall Elexit LX111. 25-watt lamp is recommended.	
87	Wall Elexit LX111. 25-watt lamp is recommended.	
80	Ceiling Elexit LX200. 75-watt lamp is recommended.	
121	Ceiling Lamp Receptacle GE264. 25-watt lamp is recommended.	
	BED ROOM NO. 3	
96	S-P. Tumbler Switch GE1688, controls No. 89 Ceiling Elexit.	
98	Door Switch GE273, controls No. 97 Closet Drop Light.	
84	Single Convenience Outlet GE658	furnishes power for lamps, electric toys, milk warmer, vacuum cleaner, etc.
91	Single Convenience Outlet GE658	
94	Twin Convenience Outlet GE694, furnishes power for candlesticks, vibrator, glow heater, etc.	
92	Wall Elexit LX111. 25-watt lamp is recommended.	
93	Wall Elexit LX111. 25-watt lamp is recommended.	
89	Ceiling Elexit LX200. 100-watt lamp is recommended.	
97	Ceiling Lamp Receptacle GE264, 25-watt lamp is recommended.	
	ATTIC	
119	3-Way Tumbler Switch GE1690, controls Center Drop Light.	
130	3-Way Tumbler Switch GE1690, controls Center Drop Light.	
131	Ceiling Lamp Receptacle GE264. 75-watt lamp is recommended. (White).	

*The numbers in this column identify the outlets shown on floor plan.

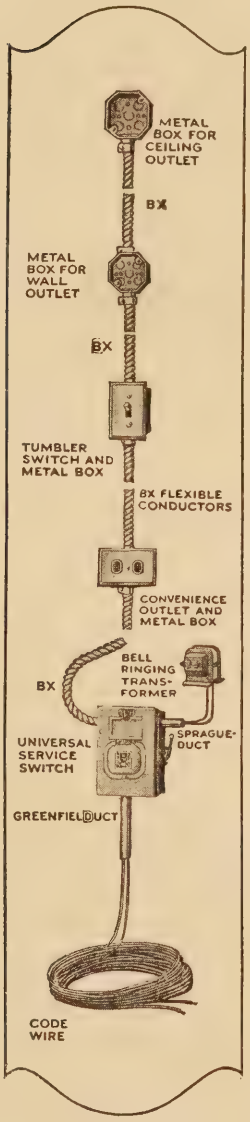
The G-E WIRING SYSTEM
-for lifetime service

THE *G-E Wiring System is a system of housewiring embodying adequate outlets properly placed, conveniently controlled, and using G-E materials throughout.* The elements consist of the following: (a) A safety entrance switch; (b) a safety distribution panel; (c) bell-ringing transformer; (d) code wire; (e) metal-covered conductors; (f) metal-encased switches, convenience outlets, and light outlets; (g) light control at every doorway; (h) convenience outlets—a minimum of one for every fifty square feet of floor space; (i) light outlets—a minimum of one for every fifty square feet of floor space.

The object of the G-E Wiring System is so to raise and establish the general standard of housewiring that every householder will experience the utmost measure of comfort, convenience, and permanence from his electrical installation. The system is a unit—not a series of detached parts. The proper control of light outlets is as important as the correct plan of distribution; the high quality of the material is equally essential to durability and to safety. Product and function unite in the most complete and substantial service that electricity can bring to the enjoyment of home life and to the surroundings which give that life some of its finest values.

Safety Entrance Switch

THE G-E Wiring System includes a specially designed gateway through which electricity enters your home. It is known as the Trumbull Meter Service Switch—a device that unites perfect service with perfect protection. Its function is to connect your light and convenience outlets with the outside wires that supply them with current. Its further function is to shut off the current if changes are being made in the house circuit. The door of the switch cannot be opened until an outside handle has thrown off the current—nor can the circuit be restored until the door is closed. This type of switch is obligatory in most large cities.



Safety Distribution Panel

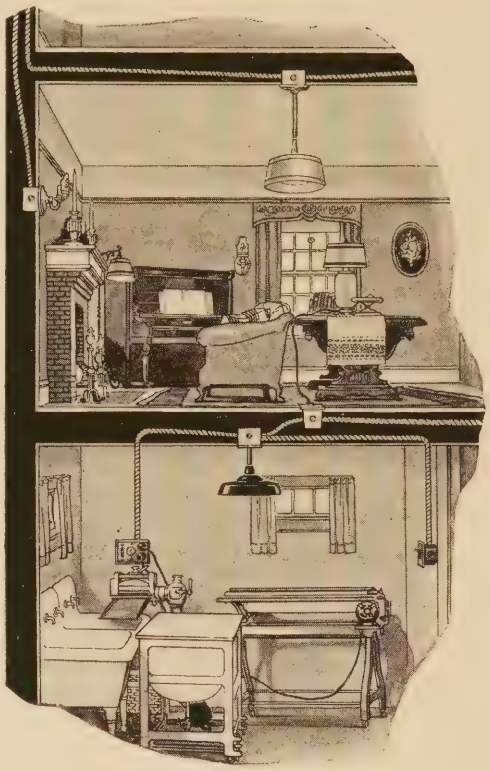
The size of the dwelling determines the number of separate circuits which should supply its various parts. In the Safety Distribution Panel each of these circuits is arranged separately and is separately protected. This adds greatly to the convenience of the electrical system, as only one portion of the house—served by one of these circuits—is, for the moment, darkened, if that circuit has been made to carry more current than was intended. The protection is complete—the renewal of the fuse is a matter of only a few moments.

Bell-Ringing Transformer

Doubtless you have, at some time or other, been surprised and disappointed at the failure of expected callers to appear—and after all, they *had* come and had been unable to bring a response despite their repeated attempts to ring your door bell. It is quite possible that, because of a weakened door bell battery, you yourself have faced some acquaintance's unopening door. The G-E Bell-Ringing Transformer is a little device—but an essential part of the G-E Wiring System—that abolishes the annoyance of exhausted batteries and the bother of replacing them. It operates the door bell from your lighting current at a cost too small to be considered, and it maintains its efficiency through the years. The transformer itself is so small that it may be held in the palm of your hand, but its practical day-and-night service is so important that it has been permanently incorporated in the G-E Wiring System.

Between Entrance and Outlet

A HIGHLY important part of the G-E Wiring System—the part that must be installed with the finest skill—you will never see. From the moment that the current enters your house until it is brought to your intimate personal service in lamp and appliance, it must be guarded and guided through every inch of its long, many-branched route behind the walls of your home.



The Value of Armored Conductor

For this work, the conscientious contractor finds his purpose best met by "BX" Flexible Steel Armored Conductor, and Greenfielduct, a rigid conduit, both products of General Electric. Through these, the insulated wire is led.

In G-E "BX" the insulated wires are armored by a spirally wound steel strip which completely protects them against mechanical injury. Nails, which might be driven through the walls or floors behind which the wires are installed, are turned aside, and gnawing rodents are baffled by this steel protection.

The Worth of G-E Code Wire

G-E Code Wire, a standardized product of the highest quality, is used exclusively in "BX" and adds its assurance of perfect service and permanent endurance. Forever out of sight, it is an essential contribution to the worth of the G-E Wiring System.

At every outlet there is a little metal receptacle known as an Outlet Box, which serves as a sort of terminal to the electric line and protects the inside mechanism of the outlet. General Electric has given the same care to the design and construction of these boxes as it has to every other point in the line, and with the same intent to make housewiring not only *complete* but also *permanent* and *safe*.

If you could but strip away the outer surface of the walls and lift the floors in a completely wired home, you would be surprised at the skill with which the conductors of electricity have been attached and with which their course has been planned. Here is the real craftsmanship that distinguishes the Qualified Contractor—the work that constitutes by far the largest part of the installation—the painstaking labor that makes it possible for you to realize a hundred electrical comforts in your home.

Another element in thoroughly dependable wiring is furnished through the several forms of tape made by the General Electric Company, by means of which joints are perfected and heavily insulated. They furnish another example of the care bestowed by the G-E Wiring System on the inconspicuous but important parts of your electrical installation.

G-E Tumbler Switches

THE G-E Tumbler Switch is supremely convenient. Its single button (or lever) moves up or down at the sweep of a finger —or of an arm or elbow. You do not need to pause in order to turn it; you just tip it up or down as you pass. Its workmanship and material are of the finest quality. Its quick strong action does not weaken with the passing years nor do its parts deteriorate. It is proof against children's play or mischief, and the "button" cannot come off. It is refined in appearance—beautiful indeed —but not obtrusive. It is sunk flush with the wall and it can be had in any of a large variety of finishes to suit the decorative scheme of the room.

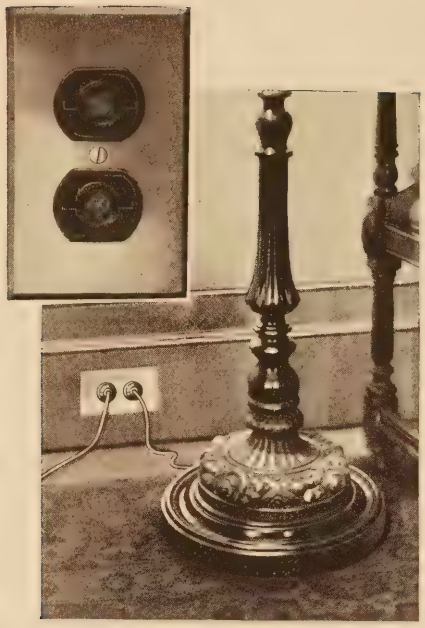
A modern refinement of wiring convenience is the little red pilot lamp which is furnished, if desired, in connection with tumbler switches and which sends out its warning that lights have been left burning in attic or cellar when they are no longer in use. While inconspicuous in appearance, it commands attention at once.

G-E Three-Way and Four-Way Switches

The functions of three-way and four-way switches have been explained on a foregoing page. The ability to control the same lights from more than one convenient point allows you to illuminate the way before you no matter what course you follow through the house.

A switch at every door! That is a sure sign of *good*—if not complete—housewiring. What of real convenience is there in a system of lighting control that compels you to retrace your steps when you go about the house at night—or else leave all the lamps burning in your wake? What of comfort is there in stumbling across a dark room until you manage to find a switch at the opposite door?

Three-way and four-way switches are not an elaboration of housewiring—they are a fundamental feature of correct and adequate electrical service. They make the whole installation a unit of proper convenience instead of leaving it a disconnected series of individual lighting devices. They serve safety as much as they further comfort; they are the accepted *modern* method of control—a method that has rendered less convenient systems obsolete.



G-E Convenience Outlets

Wherever the G-E Twin Convenience Outlet is located—in the baseboard, wall, or floor—there the full measure of electrical service is instantly available. Do you want to place a table lamp or floor lamp, an electric fan or a heater, at a certain point? The G-E Wiring System has already provided a Convenience Outlet so near that the connecting cord will be unnoticeable. The G-E Convenience Outlet is *safe*. The live contacts are concealed—beyond touch as well as beyond sight—in a compound base. Hence there is no possibility of shock should a childish finger accidentally touch the device—a distinct advantage over the older types with screw shells into which plugs are screwed.

The standardization of G-E Wiring Devices means that any appliance can be connected to any G-E Convenience Outlet or G-E Elexit. The G-E Separable Plug assures this, and you can have it on every appliance and lamp.

A G-E Twin Convenience Outlet, when placed in the baseboard, presents to the eye only a small surface plate with two apertures in which plugs are inserted. This is the whole device and the whole operation *in so far as the user is practically concerned.* The appliance is immediately ready to exercise its function.

However, the real value of the outlet is in the parts that are *not* seen—in the careful design, the fine material, and the accurate construction that assure perfect connection with the wires behind the wall. Here is the worth that gives complete and continuous service, year after year; here is the elaborate preparation for what seems a simple function.

G-E Elexits

Until the present time, lighting fixtures have been literally *fixed* as to position—permanently wired in place. G-E Elexits turn them into portable lighting furniture. Elexits consist of two main units—wall or ceiling outlets, and plugs permanently attached to fixtures. These are standardized. Any wall or ceiling lighting fixture equipped with a plug for Elexits (such fixtures are now denominated "Elexoliers") can be instantly and firmly attached to any Elexit—and as readily removed.

Adjuncts to the G-E Wiring System

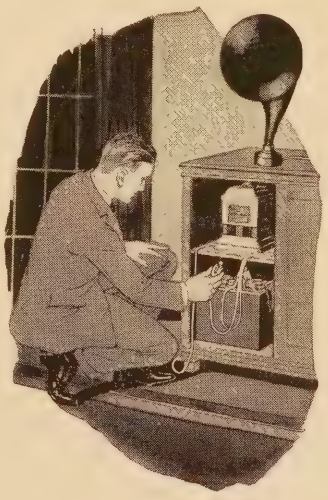
AMONG a hundred comforts, the G-E Electric Fan ranks high, not only because of its cooling breeze but, as well, for its recognized sanitary value.

Summer, with its long hot days and depressing—often sleepless—nights, is merciless to the dwellers in an unprotected house. It establishes a veritable torrid zone within the walls and fills each room with humid lifeless air. Only in the completely wired home—the *protected* dwelling—is there a complete defense against these ills, because only in the completely wired home can G-E Fans be used in any room and in any part of the room and be made to fling their tonic breezes across the hot kitchen or summon quiet sleep to restless nights.

General Electric offers you a wide variety of sizes and types. For intimate and refreshing companionship on your desk you may decide on a dainty little G-E Fan only nine inches in diameter. For an average living room or bed room, your probable choice will be the twelve-inch size and the oscillating type that swings like a slow pendulum, stirring up and freshening the air in every corner. For very large rooms, the magnificent sixteen-inch G-E Fan will successfully combat the closest, hottest conditions with the silent whirl of its glittering blades and its dignified sweep from side to side.

The G-E Tungar Battery Charger

With the popularizing of radio reception, the G-E Tungar Battery Charger has entered a large field of usefulness. The radio enthusiast, who is careful to keep his "A" and "B" storage batteries in such condition that his set will always be ready for use, has only to attach one lead of the little Tungar to any alternating-current outlet and the other lead to his battery, in order to put in as much of a charge as is required.



The G-E Tungar Battery Charger was General Electric's solution of a problem on which much study had been bestowed in its research laboratories —the production of a convenient, economical, and reliable device for charging automobile batteries from an ordinary lighting circuit. The 5-ampere size Tungar was especially designed for use in the home garage. It is so light and portable that it can be set on the running board of the car, attached to the battery and to the nearest Convenience Outlet or lamp socket, and left to perform its work overnight.

G-E All-Nite-Lite

HOW often you want a *little* light for many hours together! Perhaps it is in the nursery or a sick room, where you may be summoned at any moment during the night; perhaps it is in the bath room or, for special purposes, at the entrance of the house. You do not need the greater brightness of the ordinary MAZDA lamp, but you *do* want a subdued glow that will guide your steps and assure you at a glance that all is well with baby or the invalid.

For just such needs General Electric offers a tiny, two-candle-power lamp, the G-E All-Nite-Lite, fitted into a little transformer that reduces the current at one socket so that just the right amount of light will be given. The whole device will lie in the palm of your hand, and it can be inserted in any standard socket as easily as the larger lamps. Its consumption of current is only nominal.

G-E Toy Transformer

The growing appreciation of electric toys embodies an educational idea—an essential item in the modern philosophy of play. Miniature electric locomotives, cranes, aeroplanes, motors, etc., are more than toys; they are a practical instruction in the application of electricity. The G-E Toy Transformer is the most convenient device for supplying power to these toys. Connected to the nearest Convenience Outlet, it reduces the ordinary 110-volt alternating current to the very low voltage required. It does away with dry cells and with cell renewal; it is always ready for immediate use; it is strongly constructed for permanent use; and, in all sizes, allows several different speeds.

The Comfort of Right Lighting

IN earlier pages of this book you have been told much of the manipulation of electric lighting—location of fixtures and their convenient control. Let us now, for a moment, appraise the value of light itself as one of the hundred comforts in a well-wired home. As a matter of fact, light is only the raw material of illumination. The direct glare of a clear MAZDA lamp is as unpleasant to the eye as it is detrimental to the appearance of a room. It is the *art* of illumination that takes this unfiltered light, strains it through prepared glass and soft tinted shades, and makes it a factor of importance to the family happiness and health.

Contrast, for example, the effect on the dining room of direct cold rays from unshielded lamps, with its appearance when lights, *beautifully* concealed, shed an equal warm glow on silver and sparkling glass, flowers and dainty china, and on faces made (perhaps unconsciously) the happier by reason of an illumination that pervades the room with its inviting charm.

Modern physiology puts heavy stress on the painful effects of eyestrain. The whole nervous system is profoundly affected when the vision is habitually distressed either by artificial glare or inadequate light. It is only under even, mellow illumination that the system relaxes and yields itself to a comfort that restores tired minds even as it comforts weary bodies.

The G-E Wiring System affords the Qualified Contractor every facility for prescribing correct light just as a physician prescribes the right medicine. Where a whole room is to be equally illuminated, he will suggest a ceiling fixture and a size of lamp that will minimize the shadows and bring out every fine feature of furnishing and decoration. Where hours are to be spent in study or needlework or at the piano, he will so locate convenience outlets that portable lamps can be placed just where they will concentrate their glow on the book or sewing or music and will comfortably protect the eyes from direct light. Where far corners of the room are to be used, there he will arrange for the right degree of illumination without disturbing the effect of other lighting fixtures or lamps. Under his guidance, no employment will be carried on in shadow or be made painful by an excess of brilliancy.

There is an added assurance of permanent service in portable lamps and lighting fixtures that are equipped with G-E Sockets. The material is so excellent, the mechanism so strong and certain of action, that you may always be confident of continuous and unimpaired operation.

In the completely wired home, light becomes an atmospheric element—a healing touch to over-wrought nerves—and, withal, an inspiration to clear thinking and a minister to happiness.

The Low Cost of Electrical Service

PERSONS who are not familiar with the use of electrical appliances often inquire—and with a very real concern—as to the cost of operating vacuum cleaners, irons, and the many other devices that help to make the completely wired house a Home of a Hundred Comforts. It has been truly said that current is one of the cheapest things that can be bought. In proof of this assertion the following table of operating costs is offered, based on the usual rate of ten cents per kilowatt-hour. In communities where the rate is different, the cost per hour can readily be computed from the figures here given. Bear in mind that these amounts apply to a *whole hour of continuous use*. Very few appliances are thus used continuously, the general exceptions being electric fans, Tungars, and, of course, lamps.

	COST OF OPERATION IN CENTS PER HOUR
Fan (9-inch)	1/3
Fan (12-inch)	1/2
Fan (16-inch)	4/5
Bell-ringing Transformer	1/10
Tungar (2-amp.)	7/10
Tungar (5-amp.)	1 3/10
Motor (⅛-h.p.)	1
Toy Transformer	1
Lamp (40-watt)	4/10
Lamp (50-watt)	5/10
Lamp (60-watt)	6/10
Lamp (100-watt)	1
All-Nite-Lite	3/100
Vacuum Cleaner	1 3/4
Washing Machine	2 1/2
Ironing Machine (Gas heated)	2
Chafing Dish	4
Iron (6-lb.)	5 1/2
Iron (3-lb.)	3 1/3
Hair Dryer	3/4
Radiant Heater	6
Immersion Heater	3
Coffee Percolator	5 1/2
Dishwasher	2 1/2
Toaster	5
Grill	6
Heating Pad	3/5
Utility Motor	3/4
Sewing Machine Motor	3/4
Waffle Iron	6
Shaving Mug	2 1/2
Curling Iron	1/4

A World Service in the Home of a Hundred Comforts

THE Home of a Hundred Comforts rests on a deeper foundation than ever architect designed or mason laid. The wire that kindles its lamps and makes its labor light, goes farther than a central source of energy; it stretches back across the years and taps the power of master minds who erected an Institution to serve the world, and called it "General Electric."

The switch that throws on the light in your room—the outlet that brings heat and power to your daily need—both were implied in the great generators that this Company has designed and erected. The current on which comfort and convenience are carried to your chair is but a drop of spray from the mighty flood of power which G-E machinery sends across wide territories to light whole cities and turn the wheels of industry.

Swiftly moving cars that carry you through and under the streets and bring you safely to your house, owe their speed and control to the same institution which can make that house The Home of a Hundred Comforts. The clothes you wear, the furniture you use, are better made and at less cost because General Electric showed the way to electric power in factories and built motors which give that power full effect.

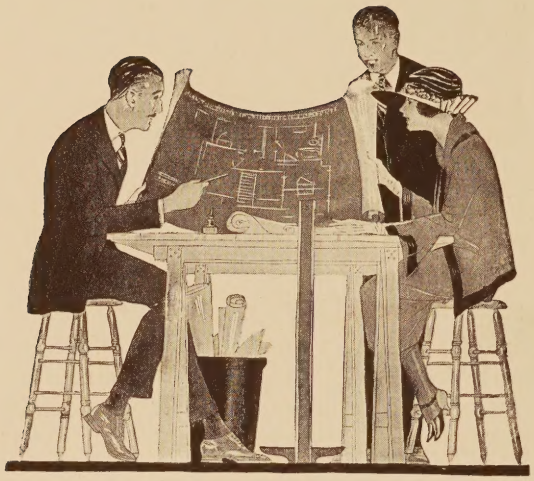
Day by day, world-famous scientists in the laboratories of General Electric are finding new ways in which to smooth the path of civilization. Their efforts are reflected in the words and songs that reach you through the air, in the brilliant lights that make your city streets so safe at night, in the perfect projection of the screen plays that you enjoy, in the elevators that make it possible to house business in tall buildings, in the speed with which the daily news is printed and brought to your door.

In the United States, General Electric has manufacturing plants in 33 cities, and yet these are not 33 separate institutions; rather they are so many forms of expression—the varied aspects of a single organization that is interested in every manner of service that it can render to the world.

Nor is General Electric satisfied with the invention and manufacture of electrical apparatus "from the mightiest to the tiniest;" it has another avowed purpose—a great educational program. Much of the world is still ignorant of the vast benefit that it can draw from a wider understanding and application of electrical service—the finer leisure, the greater wealth, the better health, the broader civic life. General Electric has dedicated its best resources to spreading the gospel of electricity. It seeks to do this through the preparation and publication of scientific information, through the encouragement of research, and through fellowships for students and prize awards for electrical accomplishment.

In all these fields of endeavor you have a personal interest. If the generation and transmission of current can be improved, that improvement will be reflected in the share that you consume. If transportation can be made still safer and easier by new electrical applications, your daily life will feel the results. If the cultural service of electricity can be broadened, you will be the happier.

With this forward look, General Electric seeks to further the vast cause of electrical advancement and, as a result, to add still more satisfaction to your Home of a Hundred Comforts.



When You plan YOUR Home, be sure to secure the Comfort and Happiness that are provided by the

GE WIRING SYSTEM
—for lifetime service