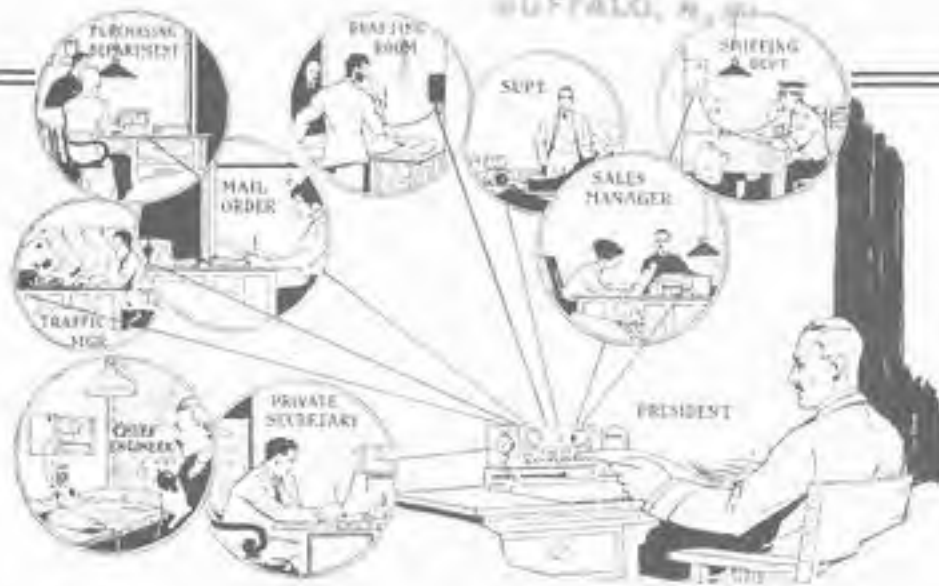




THE
DICTOGRAPH SYSTEM
OF INTERIOR TELEPHONES



Dictograph Products

INCLUDE

The Dictograph System of Interior Telephones
Standard of the World

The Junior Dictograph

For communication between Master and one or two points only

The Dictograph Master Call System

A loud-speaking, announcing or calling system

The Motor Dictograph

For automobile communication between chauffeur and passenger

The Detective Dictograph

For confidential information and evidence

The Acousticon

For the Deaf—More than 300,000 now in use throughout the world

The Aviaphone

For inter-communication between pilot and passenger while in flight

DICTOGRAPH PRODUCTS ARE RECOGNIZED
LEADERS IN ELECTRICAL SOUND TRANSMISSION

DICTOGRAPH PRODUCTS CORPORATION

SUCCESSOR TO

GENERAL ACOUSTIC COMPANY

EXECUTIVE OFFICES:

220 WEST 42d STREET, NEW YORK CITY

FACTORIES—JAMAICA, NEW YORK CITY, LONDON, MONTREAL

BRANCH OFFICES, SERVICE DEPARTMENTS AND AGENCIES
IN PRINCIPAL CITIES THROUGHOUT THE WORLD

Inter-communication in General

THE problem of office, department and plant inter-communication, always a serious one, has under conditions brought about by the war, and remaining with us during reconstruction days, assumed proportions of the first magnitude.

It has become increasingly necessary for a greatly diminished Executive man power to handle a larger volume of routine and detail with accuracy and dispatch. Unaccustomed duties falling on new and untrained men and women call for the exercise of eternal supervision on the part of the directing Executive. The release of millions of men from Military Service and war production, and their re-induction into business, has aggravated rather than relieved the problem of adequate, intelligent and economical inter-communication and control.

It is conceded that no mechanical agency in the history of business has accomplished so much in the recovery of diminished man power, and in its training, direction and co-ordination after its recovery, as has the DICTOGRAPH.

The DICTOGRAPH has long been recognized as the accepted standard of inter-communication by America's foremost financial, industrial and commercial institutions; thousands of Executives in every line of endeavor use it daily in their work.

When the war came to this country the Government called into its service the keenest and most progressive business Executives, who were confronted with stupendous problems of production and distribution, under the most abnormal conditions possible. The value of the DICTOGRAPH was at once recognized, and the DICTOGRAPH SYSTEM was installed in practically every Executive department of the U. S. Government and in hundreds of important industrial concerns engaged in Governmental work, operating under all varying conditions and giving a service impossible to measure wholly in dollars and cents.

DICTOGRAPH PRODUCTS CORPORATION plans to continue the same policy of service and expansion that has placed DICTOGRAPH PRODUCTS in the position occupied to-day. Our Branch Office system and Service Departments will be extended to cover all the large cities throughout the world. Manufacturing facilities are being greatly increased and we will continue to make DICTOGRAPH PRODUCTS as good as we know how, which means they will continue to be the BEST IN THE WORLD.



▲ Typical Insurance Home Office Dictograph Installation

The above illustration shows 13 Dictograph Stations located in one large office, with 45 more located throughout the building. The modern principle of efficiency in Executive management demands that lost motion and guess-work be eliminated. By means of the Dictograph System this is accomplished to a remarkable degree.

THE DICTOGRAPH SYSTEM OF INTERIOR TELEPHONES is distinguished from every other method of inter-communication by the following exclusive advantages available in no other system:

1. Complete or selective inter-communication immediately and automatically by the mere pressure of a key.
2. Flush type DICTOGRAPH transmitters throughout, eliminating unsanitary mouthpiece required in all other systems.
3. Unequalled ease of operation, preventing procrastination and delay in effecting inter-communication.
4. Instant identification of station calling.
5. Conferences held with as great ease and facility as if all parties were assembled in one room.
6. Executive right of way by means of the DICTOGRAPH loud-speaking master station, affording immediate communication with required station under all conditions.
7. Loud-speaking executive or Master station, allowing communication to be effected and carried on without effort and with complete efficiency.
8. No push buttons, dials or complicated switchboards; DICTOGRAPH SYSTEMS are fool proof, permanently installed, and require no attention except occasional renewal of batteries.

The DICTOGRAPH SYSTEM renders a service impossible to secure through any other method, and does not and cannot compete in price with ordinary interior telephones.

The System is sold outright, and is installed on a definite three-year guarantee against all mechanical and electrical defects—the broadest and most complete guarantee given by any manufacturer.

Thousands of letters are on file from users (leaders in all branches of industry) testifying to the remarkable capacity of the DICTOGRAPH to eliminate and simplify routine; in many cases we have been told that the entire cost of installation has been more than saved the first six months of usage.

THE DICTOGRAPH SYSTEM OF INTERIOR TELEPHONES is as far in advance of all other telephone or inter-communicating systems as the ordinary telephone is of the obsolete speaking tube.

The DICTOGRAPH does not supplant the ordinary telephone, but relegates it to its proper function of handling incoming and outgoing calls.

In the average busy office or plant, from 60 per cent. to 80 per cent. of the burden on the telephone switchboard is inter-departmental. Notwithstanding this, a glimpse into the average busy office will usually disclose office boys, messengers, clerks, secretaries and even highly paid Executives running around in search of information. Hours of precious time that should be converted into productive effort are wasted through lack of suitable inter-communication facilities.

The telephone for outside communication is an indispensable agency in modern business, but to use it for interior communication is to abuse its function, is unscientific, unprofitable, and wholly out of date. The physical effort involved in the constant use of the *ordinary telephone* for inter-communication (looking for a number, manipulating a dial, lifting a receiver to the ear, holding a cumbersome instrument in the hand, etc.) *is a constant discouragement to effort, and a positive premium on delay and inefficiency.*

The DICTOGRAPH SYSTEM OF INTERIOR TELEPHONES is designed to meet this very condition. It is essentially an interior system, just as the ordinary telephone is essentially an outside service system.

TO USE THE TELEPHONE FOR INTER-COMMUNICATION

Ties up your telephone trunk lines—
Puts unnecessary burden on your operator—
Is costly and inefficient—
Subjects both interior and outside calls to unnecessary delay—
Adds to your telephone expense.



Dictograph Master Station with 45 Keys

By means of this Station the Executive shown can talk to any one or all of the 45 stations in his plant at any hour of the day or night by the mere pressure of the proper key.

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THE USE OF THE DICTOGRAPH SYSTEM

Removes the inter-communication burden from the switchboard (often 75 per cent. or more)—

Provides complete inter-communication—

Enables your operator to give careful attention to incoming and outgoing calls—

Gives perfect service 24 hours a day, every day, all the year around—

Makes every connection immediately—

A pressure of the key, and you have your party, no delay or effort wasted—

As many conversations can go on at once as there are pairs of instruments—

Increases efficiency of entire organization—

Converts hours of wasted time into productive effort—

Compels individual and collective "team work"—

Eliminates lost motion and minimizes routine—

Automatically distributes detail.

The DICTOGRAPH SYSTEM operates equally well in large or small units, thereby meeting the requirements of every business. Systems are designed from 2 to 100 stations, with as many Master or Executive Control Stations as there are Executive heads requiring their use, and as many substations as the inter-communication problem requires. No business is too large or too small to employ its astonishing capacity for getting more and better work out of Executive and employee.

With the DICTOGRAPH SYSTEM, each man remains at his own desk or within his own department. No wasted steps, no misspent energy, no needless errors.

The DICTOGRAPH SYSTEM not only increases the personal efficiency of every individual in the organization, but enables the Executive without leaving his desk, and by merely pressing a key, to control and direct into the proper channels the vital, concentrated individual and collective energy and efficiency of the entire organization.

IT BRINGS ORDER, SYSTEM, QUIET, ACCURACY, EFFICIENCY AND RESULTS.

The number of conversations which can be held at the same time over a DICTOGRAPH SYSTEM is only limited by the number of pairs of instruments. The transmission is absolute at all times, cross talk is eliminated, all connections are direct, automatic and immediate.

No other System gives as complete Service. No other has the wonderful Loud Speaker and the Executive Control System. It is designed to give, and does give "MULTIPLIED EFFICIENCY" through 100 per cent. perfect Service.

The great advantage of the DICTOGRAPH SYSTEM as an auxiliary to the regular telephone is apparent in answering outside telephone calls, when information is required from different departments within the organization. The party calling can be held on the wire while the desired details can be secured from one, two or more sources through the DICTOGRAPH, all without calling the operator, interfering with the telephone connection, and with the utmost ease.

With an Intercom at the telephone switchboard, calls can be transferred. The operator has an auxiliary means of reaching every department, and the efficiency of both the switchboard and the DICTOGRAPH is improved.



Dictograph Intercom at a Telephone Switchboard

By its use the operator can signal any stations required, transmit messages, transfer calls, and greatly add to the efficiency of the regular Telephone Service.

Dictograph Master Stations



Ten-Key Dictograph Master Station

This is the famous Loud-speaking Executive Control Station designed in the DICTOGRAPH SYSTEM to be used by the Chief Executives in the organization.

Its principal advantages lie in the following exclusive features found only in the DICTOGRAPH SYSTEM:

Loud-speaking method of inter-communication.

Direct automatic connection instantly by throw of key.

Visualized signal and recognition of calling station.

Ability to call and talk to several stations at once.

Sanitary Flush Type sensitive DICTOGRAPH transmitter.

Right of way assured to Master by lamp in called station.

Ease in effecting communication and extreme efficiency in operation.

DICTOGRAPH Master Stations are made standard with 10, 15, 20, 25, 30, 40 or more connections either to Intercoms, sub-stations, or other Masters. Each Master Station is a complete loud-speaking telephone, self contained in a handsome oak or solid mahogany cabinet. The row of keys in the cut indicates the connections under the Master Control. To call a station, only one operation is required. The proper key is pressed, whereupon the buzzer rings and the Master lamp signal lights in the station called signalling that the Master is calling, and demanding immediate answer and attention.

Having signalled and attracted the desired party, the Executive using the Master Station thereupon talks towards the instrument, sitting at his desk in his normal position, and without raising his voice and without using the earpiece, transmits his message and instructions, talks to one or more assistants or associates, holds conferences, dictates letters, receives reports, or talks to callers, all without effort. The answer comes back through the loud speaker, clear and distinct as if the party talking were in the room.

The Executive talks from 18 to 24 inches from his station, depending upon the surrounding conditions.



Fifteen-Key Dictograph Master Station

The Master Station can call one or more other stations at one time, and thus hold conferences with as great ease as if all the parties were in the same room, all without interfering with the complete, direct, automatic and efficient inter-communication afforded by the rest of the DICTOGRAPH SYSTEM.



Twenty-Key Dictograph Master Station

Dictograph Master Stations

The Master Station always knows who is calling it. In the opening shown above the key, a white shutter rises when the corresponding station calls; thereupon the Executive, knowing who is calling, may answer or cut off the conversation at his option.

NO ONE CAN CUT IN ON A MASTER LINE UNLESS THE MASTER LIFTS THE KEY.

If for any reason the Master Station wishes to take a message silently, he simply takes the earpiece to his ear when calling or receiving, makes the connection in the usual manner, and the voice, instead of coming through the loud speaker, is brought silently through the receiver. Upon returning the receiver to the hook, the loud speaker is automatically cut in again.

The earpiece is also used by one Master when talking to another Master. *When Master talks to Master, one uses earpiece, the other uses loud speaker. Masters talking to Intercoms use loud speaker always.*

As many Master Stations may be installed in a DICTOGRAPH SYSTEM as there are Executives who have need for them, and as many Intercoms or Sub-Stations as are necessary to meet the inter-communication requirements.

AS MANY CONVERSATIONS CAN GO ON IN ANY DICTOGRAPH SYSTEM AS THERE ARE PAIRS OF INSTRUMENTS CONTAINED THEREIN.

All connections between Master Stations and other stations are direct and secret, and cannot be cut in upon or overheard by any other station without the consent of the Master Station.

Master Stations with Separate Loud Speaker



Ten-Key No. 36 Type Master Station

With Type No. 36 Dictograph Master Station, the loud speaker is placed in a separate cabinet (see illustration), enabling every Executive in the organization using Master Stations to get the full benefit of the loud speaking feature, even when talking to other Executives. An extra charge of Ten Dollars each is made when No. 36 Masters are required.

Where two or more Executives use standard DICTOGRAPH Master Stations (with self-contained loud speaker) it is necessary for the subordinate Executive when talking with the higher Executive to "step down," that is, to use the silent receiver. It is electrically impossible for two self-contained loud speakers to be employed at the same time.

NOTE—We always advocate the use of standard Master Stations except under exceptional conditions.



Type L-11-1 Dictograph Intercom

Calls 9 other Intercoms and one Master call designated by the lamp signal below the Master connection.

Sanitary flush type sensitive DICTOGRAPH transmitter.

Direct automatic connections instantly with the throw of a key.

Small watch-case receiver (ear-piece). Weight only 4 ounces.

Ability to talk 12 to 18 inches distant from transmitter.

All Master connections direct, automatic, and secret.

As many conversations may go on as there are pairs of instruments.

All connections shown by name or department, eliminating confusion.

Ability to hold conferences easily.

Visualized call of Master Station, enabling right of way to be given Executive.

It is not essential that Master Stations be included in installations of DICTOGRAPH SYSTEMS. If the inter-communication problem does not require Executive control, or if the Executives do not desire the loud-speaking Master Stations, complete or partly selective inter-communicating DICTOGRAPH SYSTEMS consisting solely of DICTOGRAPH Intercoms may be installed which will give service unobtainable in anything but a DICTOGRAPH SYSTEM.

Each of the calling keys shown in illustration makes two strokes or connections, one up, one down—each operation automatically locked and automatically released by throwing of another key or restoring switchboard. The right-hand key is the ringing key, and is used to signal with a buzzer or bell the station required.

Above and below each row of keys are name-strips showing name or designation of station to which the corresponding key connects.

No switchboard, central station or operator is required to effect communication in the DICTOGRAPH SYSTEM—each call is automatically completed.

To call another station through the DICTOGRAPH Intercom, the earpiece is taken off the hook, the proper key operated, the ringing key depressed to signal the desired station, whereupon a buzzer rings in the station called.

An Intercom answers a call from an Intercom simply by lifting the earpiece to the ear, and the conversation is carried on with great ease, with perfect transmission of sound. Several Intercoms can get in on the line together and hold general conferences. The replacing of the receiver on the hook restores the system to normal condition.

Dictograph Intercoms

DICTOGRAPH Intercoms are self-contained inter-communicating telephones, and in the DICTOGRAPH SYSTEM are used throughout office, plant, factory, or home for all inter-communication requirements.

INTERCOMS are made standard in 10, 22, 34, 46, 58 and 70 connection units, connecting to other Intercoms, sub-stations or Master Stations.

The DICTOGRAPH Intercom has the following exclusive features found only in the DICTOGRAPH SYSTEM:



Type L-23-2 Dictograph Intercom

Calls 20 other Intercoms and 2 Master Stations designated by the lamp signals below the Master keys.

Dictograph Intercoms

The small lamps shown under certain keys in the Intercom are Master lamps, or Executive Control lamps. By means of these exclusive DICTOGRAPH features, Intercoms are able to recognize Master calls above Intercom calls, and thus give immediate attention and right of way.

If two Intercoms are talking and a Master Station calls, the buzzer does not ring to disturb the conversation, but the lamp signal lights, thus informing Intercom the Master wishes to talk, and enables Intercom to tell the party it is talking to to call again as the MASTER STATION is on the wire, and has the "right of way."

CONTROL NOW ADOPTED AS STANDARD FOR INTER-COMMUNICATION BY THE LEADING EXECUTIVES THROUGHOUT THE WORLD.

THIS IS THE FAMOUS EXCLUSIVE DICTOGRAPH SYSTEM OF MASTER

The Dictograph System in the Home

The DICTOGRAPH SYSTEM is especially valuable in the home. The Master Station is located in the library, living room or bedroom, and Intercoms throughout the house. The pressure of the proper key gives immediate connection with the chef, chauffeur, entrance hall, dining room, bedrooms, bath rooms and nursery. In country houses, the conservatory, lodge, barns, garage, stables and kennels may also be connected.

DICTOGRAPH Stations for Residence use can be furnished in White, Ivory, or French Gray Enamel, or any special woods desired, and mark a new era in interior telephone design for residence use. The small amount of room required, the unusually attractive appearance and the splendid finish make it most popular for high-grade homes.

Many of the finest Residences in America use the DICTOGRAPH SYSTEM throughout.

We have on file thousands of original letters from executives in every line of Industry, Finance and Commerce speaking in unqualified praise of the DICTOGRAPH SYSTEM, and will be glad to submit letters to you from concerns in your own line if desired.

Dictograph Sub-Stations



Dictograph Sub-Station

DICTOGRAPH SUB-STATIONS are designed for use in systems where inter-communication is not required between sub-stations, and in selective systems can be used in outlying points, and through some central point indirectly reach every other station in the system.

The cabinet is made of solid oak or mahogany in novel and pleasing design. The transmitter is the same flush type sensitive DICTOGRAPH transmitter used in standard Master Stations.

The workmanship is the best possible to produce, and in every way the DICTOGRAPH Sub-Station is the finest one and two-way telephone ever made.

Each Sub-Station is furnished equipped with six-foot length of flexible silk cord.

DICTOGRAPH Sub-Stations are designed to operate with

**either one or two Master Stations,
with one Master and one Intercom,
with one or two Intercoms,
with one or more other Sub-stations,**

and can be specially wired for an inexpensive communicating system wherein all sub-stations are on a common talking line; each station, however, able to ring every other station by means of push buttons installed in the cabinet.

To call a station from a sub-station, the receiver is taken from the hook, the push button pressed, whereupon the communication is established. To receive a call on a sub-station, when the buzzer rings, the earpiece is placed to the ear, whereupon the connection is completed.

DICTOGRAPH one and two-way SUB-STATIONS are a new departure in telephone design, and while inexpensive and easy to install, are sold under the famous three-year DICTOGRAPH guarantee of quality and service.

For simple inter-communication systems in homes, factories and offices where the communication does not require standard DICTOGRAPH SYSTEMS, Sub-Stations can be used to great advantage and at a distinct saving, the cost being no greater than that of inferior telephones of other makes.

JUNIOR DICTOGRAPH



The JUNIOR DICTOGRAPH has been designed for the specific needs of those whose inter-communication requirements consist simply of the necessity for communicating from one central point



to one or two other points, and in the No. 3 outfit, to provide inter-communication between the two outlying points as well.

The JUNIOR Master Station has a standard flush type Master transmitter and loud speaker, exactly similar to those used in standard DICTOGRAPH Masters. It is equipped with a two-way key to signal sub-stations; the left throw of the key signals sub-station No. 1, and in outfits No. 2 and No. 3 the right throw of the key signals sub-station No. 2.



The sub-stations used are standard DICTOGRAPH sub-stations described on page 10. All instruments are beautifully finished in either mahogany or oak, as specified.

For professional men, bankers, officials, executives of all kinds, this newest of DICTOGRAPH productions serves a definite purpose. Often, the compact arrangement of offices renders a standard system unnecessary, and the JUNIOR DICTOGRAPH most admirably and inexpensively fills the bill to the utmost.

In Private Residences the JUNIOR DICTOGRAPH renders ideal service between two or three points.

All JUNIOR outfits are furnished complete with battery boxes, junction blocks, etc., ready for installation. Ordinary annunciator or telephone wire is used, obtainable at any electric supply house. Two ordinary dry cells are used for current. Complete wiring instructions accompany each set; the circuit is so simple, any one who can put in a bell or buzzer can install the JUNIOR DICTOGRAPH.

JUNIOR DICTOGRAPH No. 1—Master and one Sub-Station, complete	\$ 75.00
JUNIOR DICTOGRAPH No. 2—Master and two Sub-Stations, complete	100.00
JUNIOR DICTOGRAPH No. 3—Master and two Sub-Stations, Sub-Stations inter-communicating with each other	110.00

The Dictograph Master Call System

THE MOST MODERN METHOD FOR INSTANTLY LOCATING AND TRANSMITTING MESSAGES TO INDIVIDUALS AT ANY POINT WITHIN THE ORGANIZATION.



The equipment consists of DICTOGRAPH Intercom calling station, with connections to from 1 to 10 outlying loud-speaking horns, as required. (See illustration opposite.)

The calling station is located at some central point, such as the telephone switchboard or information desk, and the loud-speaking horns are placed at outlying points within the organization.

To call or locate any person, the operator at the Central Station removes the receiver from the hook, depresses the key marked with the name or station of the room or department in which the person is supposed to be at the moment, signals the station with ringing key, and asks for the person wanted.

The voice of the person calling from the Central Station comes out into the room through the loud-speaking horn in clear, loud tones, perfectly audible 15 to 20 feet distant and above the ordinary conversation and noise of the room.

If the person being called is present he answers by merely talking towards the horn, and although he may be standing several yards away from it, his voice is picked up by the famous DICTOGRAPH super-sensitive transmitter, which is located on the horn, and clearly and distinctly conveyed to the operator calling from the Central Station. A conversation may be carried on, instructions given and received, all without the necessity of the called party coming close to, or operating the instrument in any way.

The person called answers without pressing a button, throwing a key, lifting a receiver from the hook or

performing any other physical operation whatsoever. He merely pauses a second in his work or conversation, turns towards the loud-speaking horn, and answers. It is just as if a messenger came to the door and called out something to him and he turned and answered.

If the person wanted is not in the first room called, the operator at the Central Station depresses a key connected with the loud-speaking horn in another room, and repeats the operation until the party is finally located and the message delivered.

The entire operation of locating the party and transmitting the message, even though it is necessary for the person at the Central Station to call all of the ten separate loud-speaking horns in doing so, requires only a few seconds, and is more direct, un-failing and economical than any other known method.

Calls can originate from any loud-speaking station with equal facility. By merely pressing a button on the loud-speaking horn, the Central Station can be signaled and conversation carried on as freely as on a regular telephone.

The DICTOGRAPH loud-speaking station is substantially made of the very best materials obtainable, and will last a life time. It is handsomely finished in black enamel, mounted on oak or mahogany-finished base, 36 inches high and 11 inches across the base.

The circuit is a very simple, common return 4-wire circuit, two wires common throughout, two wires sectionally distributed. Ordinary dry cells are used for current, and the system can be installed and maintained by any electrical contractor or electrician who can put in and maintain a buzzer system.

PRICE—10-Key Calling Station, capacity 1 to 10 connections	\$35.00
Six feet flexible silk cable	4.50
Loud-speaking Stations (Horns). Each	30.00

Standard Finish (Calling Station)—Mahogany or Oak
Standard Finish (Loud-Speaking Station)—Black Enamel
Mounted on Oak or Mahogany Block
Special Finish—\$5.00 extra

Send us full details of your requirements, and let us submit a definite proposal on a DICTOGRAPH MASTER CALL SYSTEM.

Superintendent and Factory Call System

Many DICTOGRAPH SYSTEMS have installed in connection a simple Call-System, with bells, horns or loud buzzers located at various points throughout the system. The additional cost, if this is installed at the time of installation of the DICTOGRAPH, is nominal, and the service in connection with the interior system is superior to any other calling system.

The customary method of operating is to designate some station, usually the one at the switchboard, as the calling station. If one wishes to locate the Manager, he calls the calling station, asks to have Manager located, whereupon the calling station sounds the code signal for the Manager, who thereupon proceeds to the nearest DICTOGRAPH station, rings calling station, and is connected with the station wanting him, or the message is given.

Call Systems can use the same cable as the DICTOGRAPH SYSTEM, and when installed in connection therewith are of nominal cost. Prices and details furnished upon request.

Selective Inter-communication

In large organizations, it will be found that it is entirely unnecessary for every station to talk to every other station, and it is in fact in most cases a needless expense and waste of money.

The chief executives, except in unusual circumstances, talk to only a few units in the organization. Many subordinate stations within separate departments seldom have occasion to talk to subordinate stations within other departments.

Therefore, in all large installations, the problem should be visualized by charting the required communication on a designation form. (Furnished free on request.)

By grouping, and giving each station only its necessary calls, smaller units can be used, resulting in saving in instrument, cable, material and labor costs. Each station can have one connection with a station located at some central point (say the switchboard or information desk), and on the infrequent occasions that it is necessary to call a station not on the keyboard, it can be accomplished by calling this central station (called "monitor" or "conference"). A mere pressure of the proper key on the monitor station accomplishes the desired connection. (Our planning department will be pleased to assist in laying out selective systems.)

Estimates and Installation

In requesting estimates or tentative proposals to be submitted by mail, etc., it will save considerable time and correspondence if you will give a general detail of your interior telephone problem:

- How many stations required.
- The number of chief executives in the organization.
- A designation form or list showing the various stations required and the connections of each.

and if possible a plan, scale drawing, or sketch showing the general floor plan, location of partitions, desks, walls, doors, etc., with distances between proposed stations, height of ceiling, location of conduits, if any, etc. If you have blue prints, mark approximate location of stations, and send to us.

State the character of the walls, floors, partitions, ceiling, etc., whether of wood, brick, concrete; whether the building has conduits, or if cable can be run along baseboard, moulding, partitions, etc. Give any other information which will be helpful to our engineers in planning a system best suited to your needs.

OUR ENGINEERING DEPARTMENT is at your service, and will furnish blanks for charting layouts, circuits, blue prints, etc., and will be pleased to submit estimates based on your requirements without obligation of any kind, and within reasonable distance of any of our Service Departments, will send a skilled representative to demonstrate the DICTOGRAPH SYSTEM and to advise and consult regarding your inter-communication problem.

All instruments, cable, etc., are sold at current published list price without discount. Installations will be made on contract or on time and material basis at lowest possible cost consistent with good material and workmanship.

Installing the Dictograph System

Any good electrician or electrical contractor experienced in reading blue prints can, by following the instructions given in our Engineering Data, which is furnished free on request, easily install and maintain the DICTOGRAPH SYSTEM OF INTERIOR TELEPHONES.

The circuit is of such low voltage, using standard dry cells, that the wiring is not dangerous in any way, and requires no inspection by the Underwriters. Lead-covered cable is always preferable, but where cables run inside, where no water or dampness reaches them, braid-covered cable may be used. Auxiliary gongs and buzzers may be installed where the regular buzzer does not give loud enough signal under unusual conditions.

The Company will furnish at market quotations standard DICTOGRAPH lead and braid-covered multiple conductor cable, silk flexible cables, junction boxes, sundries, bells, buzzers, and all materials and labor required for the installation of the DICTOGRAPH SYSTEM OF INTERIOR TELEPHONES. (Price lists and Engineering Data on request.)

Many of our most successful installations have been made in distant countries—Japan, Australia, England, Russia, Norway, Denmark, South America, etc., and in many cities in America, by local electrical contractors with no other information than the blue prints, circuit diagrams and installation instructions furnished by us.

The DICTOGRAPH SYSTEM is sold outright, never rented or leased, and all material, labor, etc., is guaranteed for THREE years against all mechanical and electrical defects. No other system furnishes such a complete guarantee. No other can render such complete service.

Sales, Construction and Service Departments are maintained in New York, Hartford, Boston, Philadelphia, Washington, Pittsburgh, Cleveland, Chicago, Cincinnati, Detroit, Buffalo, Montreal, San Francisco, Los Angeles, Seattle, Atlanta, New Orleans, and other cities.



No. 1—Detective Dictograph Outfit

Contains two Dictograph Transmitters, two Receivers, two Headbands, two Batteries, two line cords (one 35 ft. and one 70 ft.), and special control rheostat switch, complete in leather-covered case with lock and key. Full directions accompany each outfit.

Detective Dictograph

No catalogue would be complete without mention of this most famous of all DICTOGRAPH products.

It is the policy of this company to exercise great care in giving out information descriptive of the DETECTIVE DICTOGRAPH and in restricting the sale of the DICTOGRAPH to those who are legitimately entitled to use it.

The DETECTIVE DICTOGRAPH serves a distinct function in modern business in controlling disloyalty in organization and in the detection of crime.

This Company offers to its customers the full cooperation of its service department, especially organized to aid in the solution of any DICTOGRAPH problem confronting users of the instrument. The service is rendered free of cost. In constant consultation with the Department of Justice, the Army and Navy Intelligence, and other Secret Service Agencies of the Government, we are able to draw upon the experience of the most noted specialists in this field, and are enabled to place their skill and expert advice at the disposal of our clients.

SPECIAL CIRCULARS DESCRIBING THE DETECTIVE DICTOGRAPH SENT FREE ON REQUEST



Motor Dictograph

The MOTOR DICTOGRAPH is standard equipment in practically every well known American production of high-grade chauffeur-driven motor cars, including Pierce Arrow, Packard, Cadillac, Hudson, Winton, Cunningham, Cole, Owen, Magnetic-Knight, Jordan, Roamer, and is exclusively used by the most famous high-class Custom Body Builders.

The transmitter is installed flush in the sidewall of the automobile, and is covered by a handsome and appropriately designed silver or specially finished plate. Two push buttons are used to operate the MOTOR DICTOGRAPH. One push button is pressed to operate the buzzer and to attract the chauffeur's attention above the street noises; the other button is then depressed, and held depressed while the passenger, talking in an ordinary tone, towards the transmitter, gives his instructions to the chauffeur, who hears the message clearly and distinctly. The current is secured from two standard dry cells, installed on the floor of the car, and thus operates independently of the storage battery system of the car.



Type "B" with Cadillac Face Plates

Type B MOTOR DICTOGRAPH is designed for installation in motor cars originally equipped with speaking tubes or obsolete type telephones. The MOTOR DICTOGRAPH eliminates entirely the troubles caused by the old style car telephones and speaking tubes. No long cords, complicated or unsanitary, cumbersome, germ-filled transmitters to hold to the mouth—no reel to twist and get out of order, are required. Portable transmitters are obsolete and out of date, and were discarded by the General Acoustic Company in 1912.

SPECIAL CIRCULARS DESCRIBING THE MOTOR DICTOGRAPH SENT FREE ON REQUEST

The Acousticon for the Deaf



S. R. B. Acousticon
To be worn on person.

The ACOUSTICON is the original and most famous electrical hearing aid. It furnishes immediate relief from any except total nerve deafness. It trains the ears to hear, and opens up to them new sounds, thus affecting permanent improvement in the hearing.

Hearing is made natural for the ACOUSTICON user. Thousands of cases are on our records wherein it is proven that the ACOUSTICON not only makes the deaf hear, but also that its use actually and permanently improves the natural hearing.

The ACOUSTICON is inconspicuous, and its use saves the wearer much embarrassment. In every walk of life, deaf men and women use the ACOUSTICON, and find it a most necessary adjunct to their daily routine.

The ACOUSTICON is made in various sizes, types and strength to suit every requirement and degree of deafness. Special catalogues describing the full ACOUSTICON line sent free on request.



S. R. F. D. Acousticon (Convertible)
For desk use or for wearing on person.

TEN DAY FREE TRIAL

An Acousticon of any type will be sent by parcel post prepaid, for TEN DAY FREE TRIAL, to any address in the United States.



Multi-Acousticon
"The Little Giant,"
For desk or table use; the most powerful instrument for the deaf ever made.

The Church Acousticon

With this type ACOUSTICON, deaf people are enabled to attend services or entertainments, and hear practically as well as those of normal hearing.

The special church transmitter is installed on pulpit or stage, with wires leading therefrom to receivers or earpieces located at any desired number of seats.

The wiring is very simple, and can be installed by any first-class electrician.

The result accomplished can best be described in the words of Rev. H. J. Belding of Central Methodist Episcopal Church, Atlantic City, N. J.:

"It was a joy beyond the power to express, to look into the faces of those who heard the sermon and music for the first time in over twenty years."



The Acousticon Church Transmitter

