



By Appointment
H. M. Queen Alexandra.

Instructions

for setting up and using

‘His Master’s Voice’ GRAMOPHONES



The Gramophone Company, Ltd., London.

Instructions for setting up and using 'His Master's Voice' Gramophones.

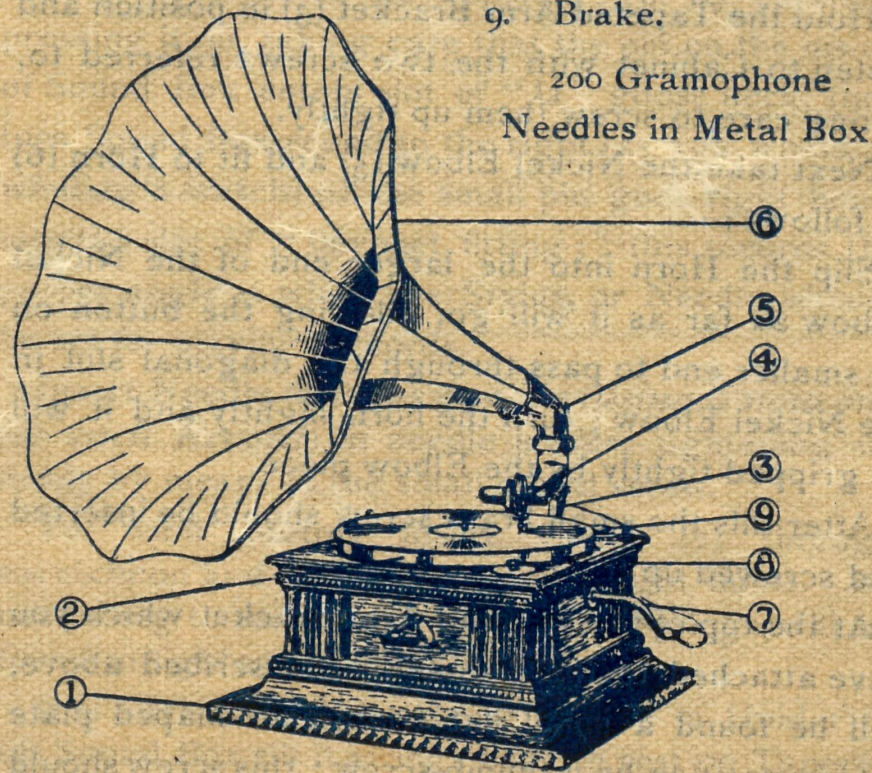
THE 'His Master's Voice' Gramophone is simplicity itself, both in its construction and in the manner of use; anyone, after having carefully read the accompanying instructions and suggestions, can set up the instrument in a very few moments, and achieve the best results immediately.

The illustration on next page shows a 'His Master's Voice' Gramophone, No. VII., with all accessories fitted and parts named for easy recognition when fitting up.

'HIS MASTER'S VOICE' GRAMOPHONE.

Description.—The Gramophone when sent out is packed in a wooden box, and consists of:—

1. Motor Cabinet, on top of which is fixed the turntable.
2. Turntable.
3. Bracket of Tapered Arm. (The screws for attaching are always fitted in Cabinet for convenience.)
4. Sound Box, or Reproducer.
5. Plated Elbow, to which Horn must be fitted.
6. Morning Glory Horn (enamelled Black, Green, or Red, or Wood, Oak or Mahogany).
7. Winding Crank.
8. Speed Indicator.
9. Brake.



The Hornless types, Table Grands and Cabinet Grands, are sent out already fitted, only the Sound Box requires to be attached and winding key fitted.

HOW TO SET IT UP

PLACE the Motor Cabinet (1) before you, and unfasten the two screws which will be found attached to the outside of the Cabinet.

Hold the Tapered Arm Bracket (3) in position and fasten to Cabinet with the two screws referred to, taking care to screw them up tightly.

Next take the Nickel Elbow (5) and fit to Horn (6) as follows :—

Slip the Horn into the larger end of the Nickel Elbow as far as it will go, allowing the button on its smaller end to pass through the diagonal slot in the Nickel Elbow ; turn the horn slightly and it will be gripped tightly by the Elbow piece.

After this the small brass screw should be inserted and screwed up tight.

At the top of the Tapered Arm Bracket which you have attached to the Cabinet, as described above, will be found a small flat triangular shaped plate held in position by a thumb-screw ; this screw should

be loosened and the flange or flat rim of the Nickel Elbow slipped under the flat plate, the weight of the Horn being supported by the left hand ; the plate is fixed down tightly by the thumb-screw. The Horn will then be found to be free to swing horizontally to any desired direction within certain prescribed limits.

The Sound Box (4) should then be taken carefully from its circular box and attached to the extremity or "U" portion of the Tapered Arm by carefully pressing it on, taking care that the pin on the inside of Sound Box enters slot of "U" goose neck, then turn Sound Box round to the right (as you would in winding a watch) till the small pin goes right home into the slot of "bayonet fitting ;" this secures the proper angle at which the Stylus, or Needle, should be set for playing Records.

Insert Needle as far as possible (*using a new one for each Record*) in needle holder, tightening up firmly by means of the small milled screw.

To wind Motor, insert Crank (7) through escutcheon and turn till it screws right home. By continuing to turn Crank the Motor Springs will be found to tighten until fully wound.

It is advisable when placing Needle in Holder to lift Sound Box till it swings back to rest on Tapered

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Arm. When using the "Melba" Needle, place the side having "MELBA" stamped upon it so that the milled screw grips this side.

The Gramophone is now completely assembled and ready for use. No oiling is needed at any time; it is only necessary to keep the instrument free from dust and to handle it with ordinary care. The most delicate part of the instrument is the Sound Box. Nothing should ever be allowed to press against the diaphragm or the stylus bar (*i.e.*, the bar which runs from centre of the diaphragm to the needle-holder).

DIRECTIONS FOR PLAYING THE 'HIS MASTER'S VOICE' GRAMOPHONES

WHENEVER *right or left hand* side is mentioned it is assumed that the operator is sitting behind the instrument with the mouth of the horn pointing directly away from him.

Place the instrument before you on a steady table so that the bell mouth of the Horn is directed to the listeners. Having selected a Record, place it with the title label uppermost, on the turntable, allowing

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the centre pin of the latter to project through the hole in the centre of the Record. See that the Record lies flat on the turntable.

Wind the Motor by means of the winding-crank until the spring is fully wound.

Release the brake and allow the turntable to revolve three or four times before placing the Needle (already fixed in Sound Box) on the first line, at extreme left of the Record. The reproduction will then be given.

When the Record is finished, lift Sound Box off Record, and swing it back till it rests on taper arm, taking care that the Needle point does not drag across the face of the Record, nor drop upon it, then stop the revolving turntable by pressing trigger of the brake. Loosen the thumb-screw holding the needle and *throw the Needle away. Never use a needle more than once.* Then lift off Record.

The motor should be wound before playing each selection; this applies to all styles of 'His Master's Voice' Gramophones with the exception of those with double-spring and triple-spring motors. The double-spring Motor will play about two 12-inch or

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three 10-inch Records with one winding, and the triple-spring about three 12-inch and five 10-inch.

In all styles of 'His Master's Voice' Gramophones a brake, already referred to, is provided at the side of the turntable by means of which the revolution of the latter can be started or stopped. The speed at which the turntable revolves can be regulated by means of the graduated speed indicator.

It will be well to state here that the faster a Record revolves the higher will be the pitch or key of the sounds produced, and *vice versa*. The manipulator of the Gramophone will quickly ascertain the most suitable speed at which to play the Records.

The general tendency, however, among those who are not familiar with this instrument is to play Records much too fast. This should be guarded against, as the best and most natural results are obtained at a speed of about 80 revolutions per

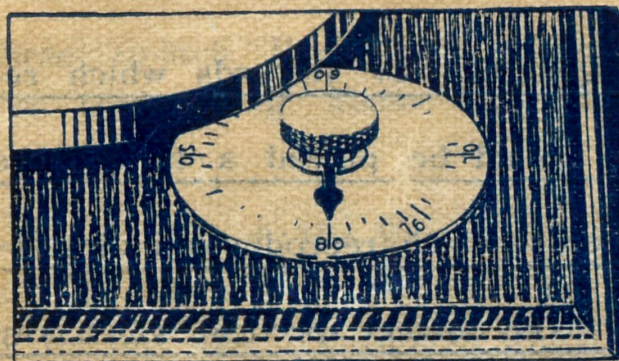
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minute. In a general way Records which reproduce talking should be played a little more slowly than records which reproduce singing or any other music. The correct speed at which any particular Record should be played can always be found against the title in our Record catalogues.

SPEED ADJUSTMENT.

It is advisable to test, and if necessary adjust the speed indicator of your instrument, from time to time. This test is easily made whilst you are playing a record. It is only necessary to slip a small piece of paper under the edge of the Record, so that it is easily visible, and, watch in hand, count the number of revolutions per minute. If it is found to be running at any speed other than that shewn by the indicator, the winding handle should be removed from the side of instrument case and the top opened.

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The small mill-headed screw on under side of indicator, shewn in the illustration,

should be turned by finger and thumb. If motor was found to be running too

fast, turn screw to the left—if too slow, screw up to right. Hold the screw controlling the pointer at top of indicator while adjusting.



GENERAL SUGGESTIONS.

IT may happen that by dropping the Sound Box, or by some other accident, the needle arm or stylus bar becomes loosened or breaks away from the diaphragm. To remedy this remove the Sound Box and place flat on table with diaphragm upwards, then with a heated awl or piece of wire soften the wax, so that it runs between diaphragm and stylus arm, and thereby renews the direct con-

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nection of these parts as soon as the wax cools. If this repair cannot be effected by the owner, the Sound Box should be returned, carriage paid, to the dealer from whom it was purchased, who can arrange to repair such damages promptly.

Should it be found that after carefully carrying out the instructions the Motor of the instrument will not work satisfactorily, write to the dealer from whom the machine was purchased, stating in what respect it is unsatisfactory. If after the dealer has given renewed and further instruction the trouble still exists, the Motor should be returned to the dealer, who will arrange for the necessary adjustment to be carried out by the manufacturers. It is not necessary to return the Horn, or the Tapered Arm attachment, which can be removed easily by taking out the screws which hold it in place.

The sound waves on the Records, when fresh from the factory, sometimes contain particles of matter which may give a somewhat scratching effect to the first reproductions. After playing the Record a few times, however, these particles will be cleared away and a perfectly sweet and clear reproduction obtained.

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'HIS MASTER'S VOICE' RECORDS.

It is in your interest to secure a copy of the 'His Master's Voice' Record Catalogue and all Illustrated Supplementary Lists to date, and to instruct your Dealer to send you the Supplementary Lists issued each month, and all the Special Lists as they are published, which he will be pleased to do free, if you will send him the postcard from the end of this book.

'HIS MASTER'S VOICE' NEEDLES.

ONLY 'His Master's Voice' Needles should be used for playing 'His Master's Voice' Records, for they alone are ground at the true angle to fit into the groove in the record, an essential if every shade of tone is to be reproduced. These Needles are sold *ONLY* in metal boxes bearing our picture Trade Mark in colours.

There are four kinds of 'His Master's Voice' Needles:—



"NEW," in Red Metal Boxes.

"PIANO," in Yellow Metal Boxes.

"PIANISSIMO," in Green Metal Boxes. (These soften the tone and are desirable for small rooms.)

"MELBA," in Mauve Metal Boxes. (A special hardened and prepared steel.)*