



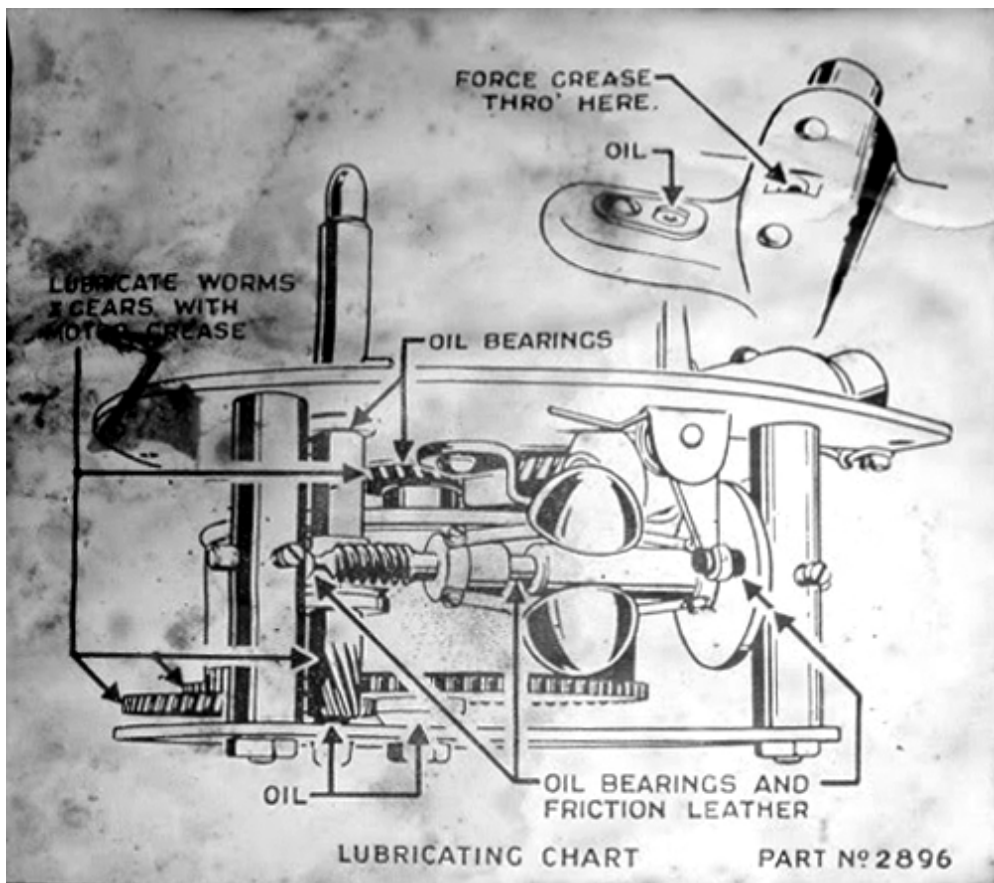
“HIS MASTER’S VOICE”

Portable Gramophone

MODEL 102

—◆—
Instructions for Assembling and Operating

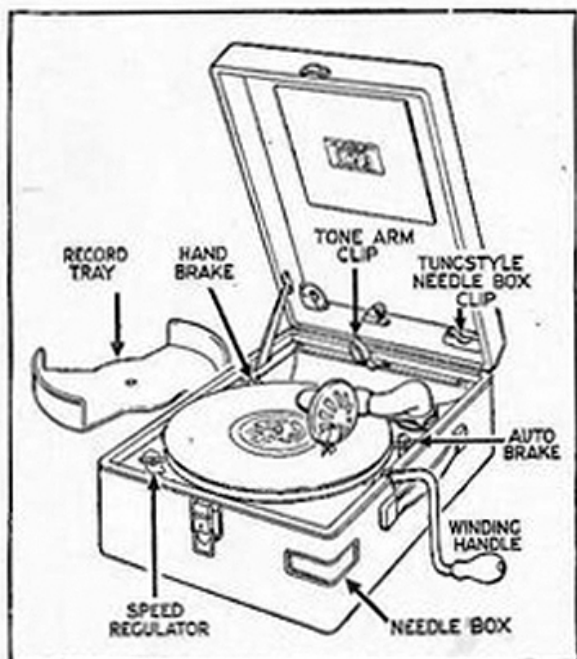




"HIS MASTER'S VOICE" PORTABLE GRAMOPHONE MODEL 102

SETTING UP THE MACHINE

After unpacking the instrument, remove the carton containing the soundbox. Dust out the well of the instrument, and note carefully the position of the tone arm and winding handle and record tray.



Playing a Record.

Remove the crook from the clip and swing the tone arm round to the right as far as it will go; fit the soundbox on the crook, engaging the small pin on the inside of the soundbox in the bayonet slot in the crook, and turn the box to the right till the pin strikes the end of the slot. This will determine the position of the soundbox.

Turn the crook back and allow it to rest on the elbow stop.

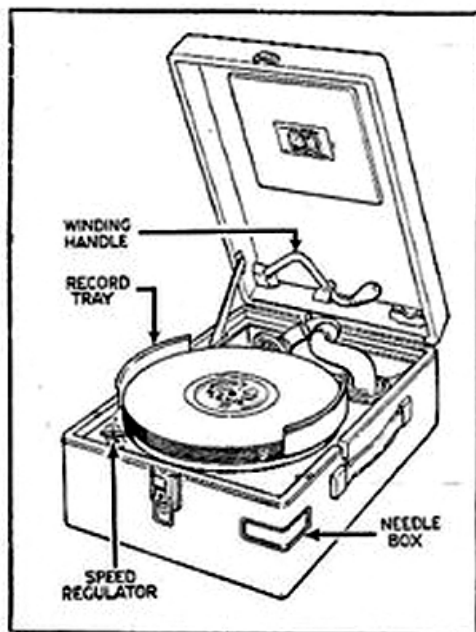
HOW TO OPERATE

Stand the instrument on a firm level support, remove the record tray and place a record on the turntable.

Note.—Do not attempt to carry more than 12—14 records at one time in the record tray—i.e., do not fill record tray so full that the lid is strained when closed for carrying.

Take the winding handle from the winding handle clip and slip it straight into the winding sleeve on the right-hand side of the instrument looking from the front.

Note.—The winding handle may be instantly inserted or detached. It is not necessary to screw it into position, as the handle is fitted with slots which engage corresponding projections in the interior of the sleeve.



The instrument ready to be closed after use.

Turn the winding handle with a steady motion in a clockwise direction and wind until the spring offers undue resistance. Insert "His Master's Voice" needle in the triangular hole in the soundbox and tighten firmly by means of the needle screw.

A needle container is fixed to the right-hand front corner of the instrument. This can be opened by pressing the centre front of the container, then gently pulling out until it comes to a stop. *Be careful to see that the needle container is closed when the instrument is to be moved.*

To Start Turntable Revolving

With the hand brake lever in start position (*i.e.*, switched over to the right), swing the tone arm across the record to the right.

Speed of the Turntable

It is essential that the turntable should revolve at a speed of 78 revolutions per minute. The successful reproduction of records is vitally affected by the speed of the turntable. *The speed must be tested while a record is being played.*

Speed Regulator

The speed regulator will be found on the left-hand corner of the front of the motor board.

THE AUTOMATIC BRAKE

With the auto-brake lever in "ON" position, this brake will automatically stop the turntable revolving at the end of any record *having an outer diameter of more than 7½ inches and a spiral quick run-in groove.*

To stop records having an outer diameter of more than 7½ inches, but no spiral quick run-in groove, swing the tone arm across the record to the left towards the back of the instrument.

When playing records having an outer diameter of less than 7½ inches, or special records, such as puzzle records, and when playing only part of a record, the auto-brake lever must be set to the "OFF" position and the turntable controlled by the hand brake.

NOTES

NEVER USE FORCE.

SEE that the pin on the longer of the two levers, fixed to the base of the tone arm, locates between the forked members of the brake lever when a record is being played.

Be careful not to overwind the motor.

Do not drop the soundbox on the record.

Use only "His Master's Voice" needles, either Tungstyle, fibre or steel.

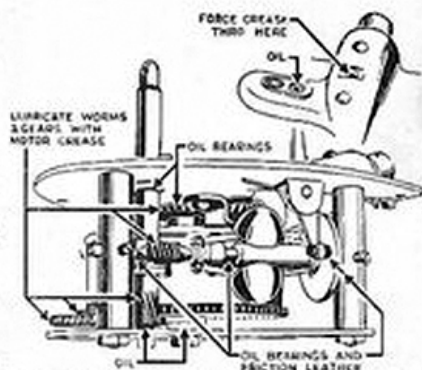
"His Master's Voice" needles are designed to give the most accurate possible reproduction with the longest possible record life.

CARE OF MOTOR

The motor will need very little attention apart from occasional lubrication, but it should be borne in mind that, like any mechanism, it should be examined periodically.

The parts of the instrument which require oil are the bearings of the turntable, governor spindle, ends of the governor sleeve, the governor pad, and the intermediate spindle.

The oiling should be done as indicated in the illustration. To oil the motor it is necessary to remove the motor board.



REMOVAL OF MOTOR BOARD

1. Allow motor to run down.
2. Slide off spring washer from turntable spindle and remove turntable.
3. Remove motor board securing screws and tone-arm clips.
(Note respective positions of wood and metal screws.)
4. Insert winding key, grasp edge of horn by left hand, grasp winding key by right hand and lift out motor board.
5. Oil motor according to greasing chart to be found below motor.

To Replace Motor Board

Lower the motor board carefully into position and replace the fixing screws (making sure that wood and metal screws are in their correct positions) and the tone arm clips.

NOTE :—

- (a) While lubrication of the automatic brake is not advised, it should be kept clean, especially between the underside of the brake lever and the brake platform.
- (b) If for any reason the turntable is removed, BEFORE it is replaced put the auto-brake lever to "OFF" position, and the hand brake to "start" position. See that the turntable locates correctly on the pin on the spindle.
- (c) If after long use the turntable does not revolve when the tone arm is swung to the right, lift off the turntable. Loosen the lock nut of adjusting screw on the brake lever and turn slightly in a clockwise direction. Re-tighten lock nut.

"HIS MASTER'S VOICE" ACCESSORIES



STEEL NEEDLES

"HIS MASTER'S VOICE" steel needles, made from finest steel, will give you the best results. These needles are made in different "tones": "Soft," "Half," "Loud," and "Extra Loud," to give *variations of volume.*

RECORD ALBUMS

More Records are scratched or broken through lack of proper storage than ever become worn out by actual playing. The simple solution is to store your records in "HIS MASTER'S VOICE" Albums, which are strong and neat in appearance.



RECORD CLEANING PAD

A "HIS MASTER'S VOICE" Record Cleaning Pad will enable you to keep your records free from particles of dust or gritty matter, which damage the playing surface and render the reproduction harsh and unmusical.

