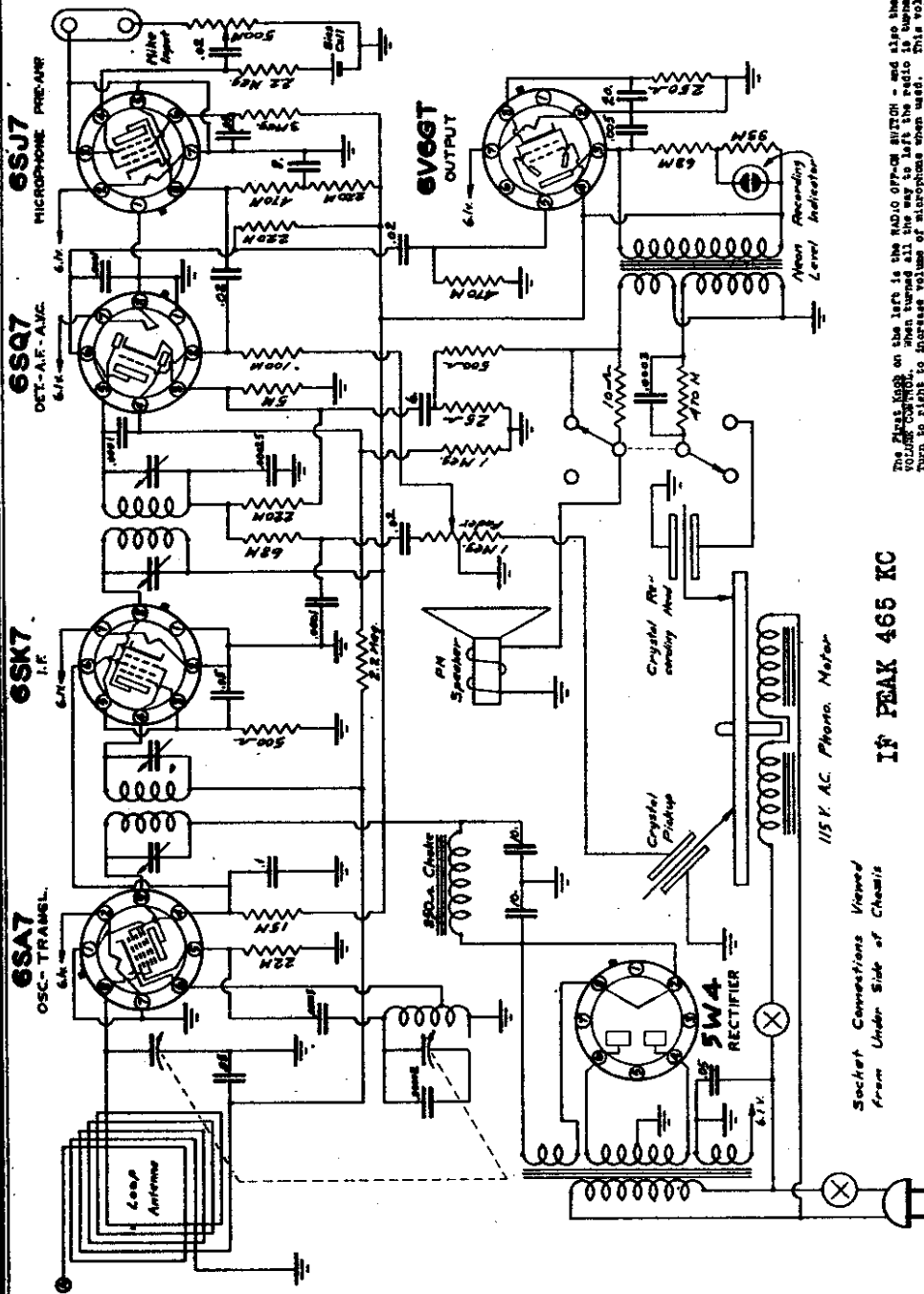


MISSION BELL RADIO MFG. CO., INC.



MODEL 423 PORTABLE RECORDER

IF PEAK 465 KC

CONVENTIONAL ALIGNMENT-SEE SPECIAL SECTION VOL. VIII

Socket Connections Viewed from Under Side of Chassis

RECORDING

Please blank disc on turntable, making certain that the drive pin protrudes through the small hole which is about one-inch from the center spindle hole. Insert a recording stylus in the recording groove as shown on the right.

When recording, the stylus should be held in the position shown. When the program is to be recorded, first select the desired station. When the program is properly tuned in, place the recording stylus in the recording groove. When recording, the speaker volume will be lower than when using the unit as a conventional radio. The level indicator is also used in the same manner as when recording. When recording, the stylus should be held in the same position as when recording. The recording stylus should be held in the same position as when recording. The recording stylus should be held in the same position as when recording.

Do not be discouraged if your first recording is not perfect. A little practice is necessary to become accustomed to proper operation of the recorder.

CAUTION: The thread cut from most acetate and nitro-cellulose discs is very fine and sharp, and care should be taken to keep it away from ash trays and open flames. Read the instructions furnished by the disc manufacturer.

The First knob on the left is the RADIO OFF-ON SWITCH - and also the MICROPHONE VOLUME CONTROL. When turned all the way to the left the radio is turned off. When turned to the right to increase volume of microphone control, the microphone control knob is used to decrease volume of microphone control, and the microphone control knob is used to increase volume of microphone control. When recording, the microphone control knob is used to decrease volume of microphone control, and the microphone control knob is used to increase volume of microphone control.

The Second knob from the left is the DIAL VOLUME CONTROL. To the extreme left is full volume for playing phonograph records. To the extreme right is full volume for radio reception and the recording. The recording volume is between radio and full volume on that knob is set volume on either phonograph or radio.

The Third knob from left is the STATION selector for tuning in the radio station. The knob from left is ACCORDING and PLAYS-ON SWITCH. When knob is turned to the left, the radio is turned on. When knob is turned to the right, the radio is turned off. When in this position the program may still be heard from the loud speaker, but at reduced volume. This makes it possible to hear what is being recorded. When knob is turned to the left, the radio is turned on. When knob is turned to the right, the radio is turned off. When in this position the program may still be heard from the loud speaker, but at reduced volume. This makes it possible to hear what is being recorded.

The Small Brass knob on motor base is the off-on switch for the phonograph and recording motor. The recording motor is a synchronous motor. The recording motor is a synchronous motor. The recording motor is a synchronous motor.

There is no polarity on this connection - the speaker should be plugged in there in a pilot light beneath the record hole to the right to indicate when lamp to indicate the correct volume to be used in recording.