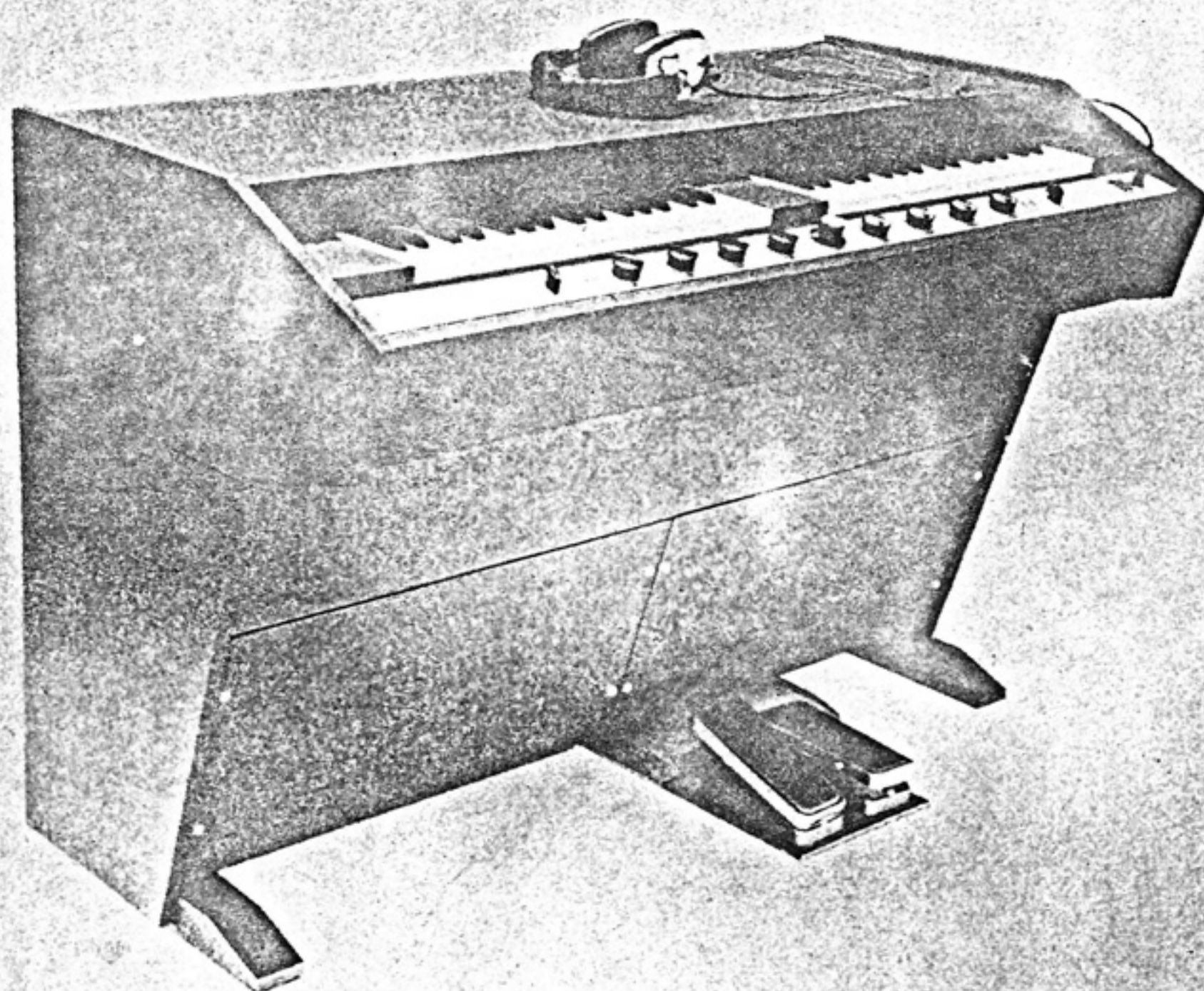


# THE MIGHTY Mellotron<sup>®</sup>

Not so much a keyboard • More the Sounds of Life



and now

*Special features:*

- \* Two completely independent 2 $\frac{3}{4}$  octave keyboards.
- \* Two independent output channels for each keyboard.
- \* Programming to customers requirements from Mellotron library.
- \* Full stereophonic reverberation.
- \* Panning facilities on both keyboards.
- \* Single capstan drive for both keyboards.
- \* New SMS2 (servo motor system) giving stable pitch over a wide range of temperatures and voltages.
- \* Dual volume pedal control.
- \* Stereophonic headphone output jack.

The New Mellotron Mark 5 • Dual Manual

*For more details on the Mellotron Mark 5, Mellotron 400, Mellotron Library of Sounds, Sales and Service. Please write or call:*



**Mellotron<sup>®</sup>**

Mellotronics Limited,  
35 Portland Place,  
London, W1N 3AG, England  
Telephone: 01-637 0692  
Cables: Rhythmate, London, W1.  
Telex: 264413



## MELLOTRON MARK 5 - DUAL MANUAL

The Mellotron Mark 5 is the result of considerable research and much experience gained over the eleven years Mellotrons have been produced.

During this time music has changed, the techniques of recording have changed quite dramatically and so also have electronic musical instruments, in both variety and quality.

In keeping with a policy of continual improvement in design and quality, Mellotronics Limited of London have introduced the very sophisticated Mellotron Mark 5.

The Mellotron Mark 5 has two completely independent side by side  $2\frac{3}{4}$  octave keyboards, manufactured from seasoned selected wood, giving a total range of  $5\frac{1}{2}$  octaves. The electronics allow for each keyboard to have its own system of volume, tone, reverberation and pan controls which allows flexibility of levels, reverberation and cross mixing on a stereophonic format.

The overall sound balance of the two keyboards is provided by a comprehensive control panel unusually placed in front of the keyboard; this position has proved to be the most effective.

A dual foot pedal unit is also provided which not only allows control of volume for each keyboard but also, when the panning controls are set in a certain position, can effectively alter the audio image. The reverberation facility will give full stereo reverberation; controls are provided to alter reverberation time on each keyboard.

A new concept introduced with the Mellotron Mark 5 is the ability for each keyboard to be programmed with sounds, musical or otherwise to the users requirements onto the special  $\frac{3}{8}$ " (9.55mm) Mellotron tape. This is possible with the introduction of a highly flexible and comprehensive bank of high quality multitrack master tapes from which sounds are mixed and blended onto three tracks of Mellotron tape. With the facility of two manuals, the permutations are endless.

Especially designed for the Mark 5 is the new SMS 2 Servo motor system which is absolutely silent and will give stable pitch over a temperature range of  $10^{\circ}\text{C}$  to  $55^{\circ}\text{C}$ . The pitch will also remain stable if set at 240 volts, over a voltage range of 180 volts to 260 volts. The same applies to any other voltage selected.

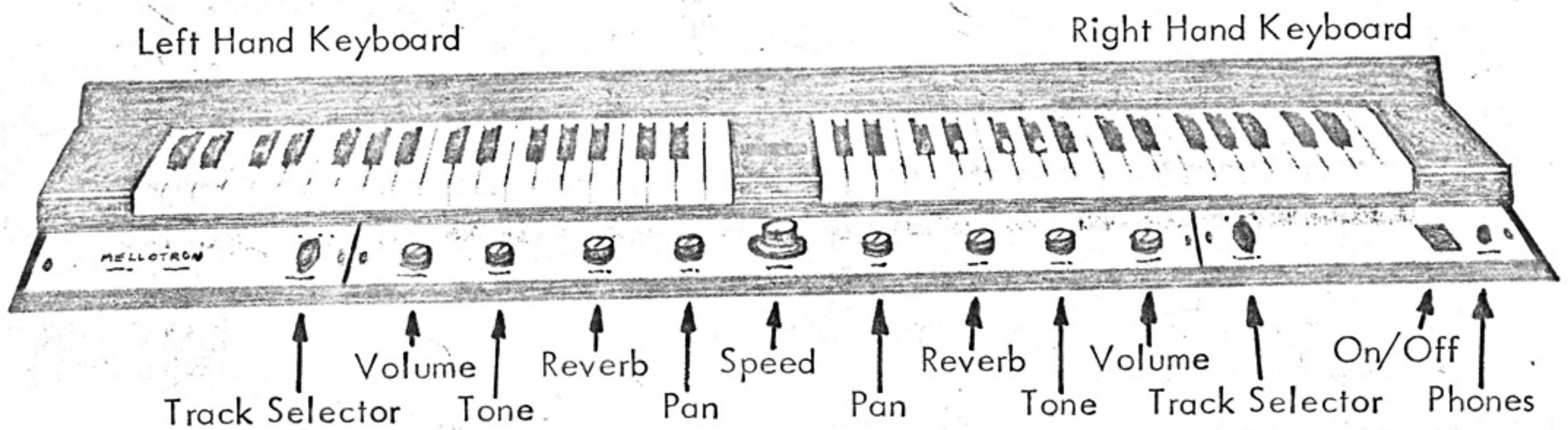
Another unusual feature is the method of cabinet construction. Due to the increased weight of the mechanics embodied in the Mark 5 it was considered necessary to introduce a new method of cabinet construction. This takes the form of a chassis constructed of 1" plywood section on which the mechanics are then built up. The outer panels, covered in heavy duty vinyl cloth are then bolted securely to the chassis giving the instrument considerable strength.

Among the famous names who now own the Mellotron Mark 5 are Patrick Moraz of Yes, Paul McCartney, Tangerine Dream and Oscar Peterson, to name a few.

\* \* \* \* \*



## THE CONTROL PANEL



- Special features:
- \* Two completely independent  $2\frac{3}{4}$  octave keyboards
  - \* Two independent output channels for each keyboard
  - \* Full Stereophonic reverberation
  - \* Panning facilities on both keyboards
  - \* Single Capstan drive for both keyboards
  - \* The new type SMS 2 (Servo motor system) giving stable pitch over a wide range of temperatures and voltages pitch variations if desired.
  - \* Dual volume pedal control
  - \* Stereophonic headphone jack output

## MISCELLANEOUS FEATURES

### The Electronic Pitch Control - Type SMS 2

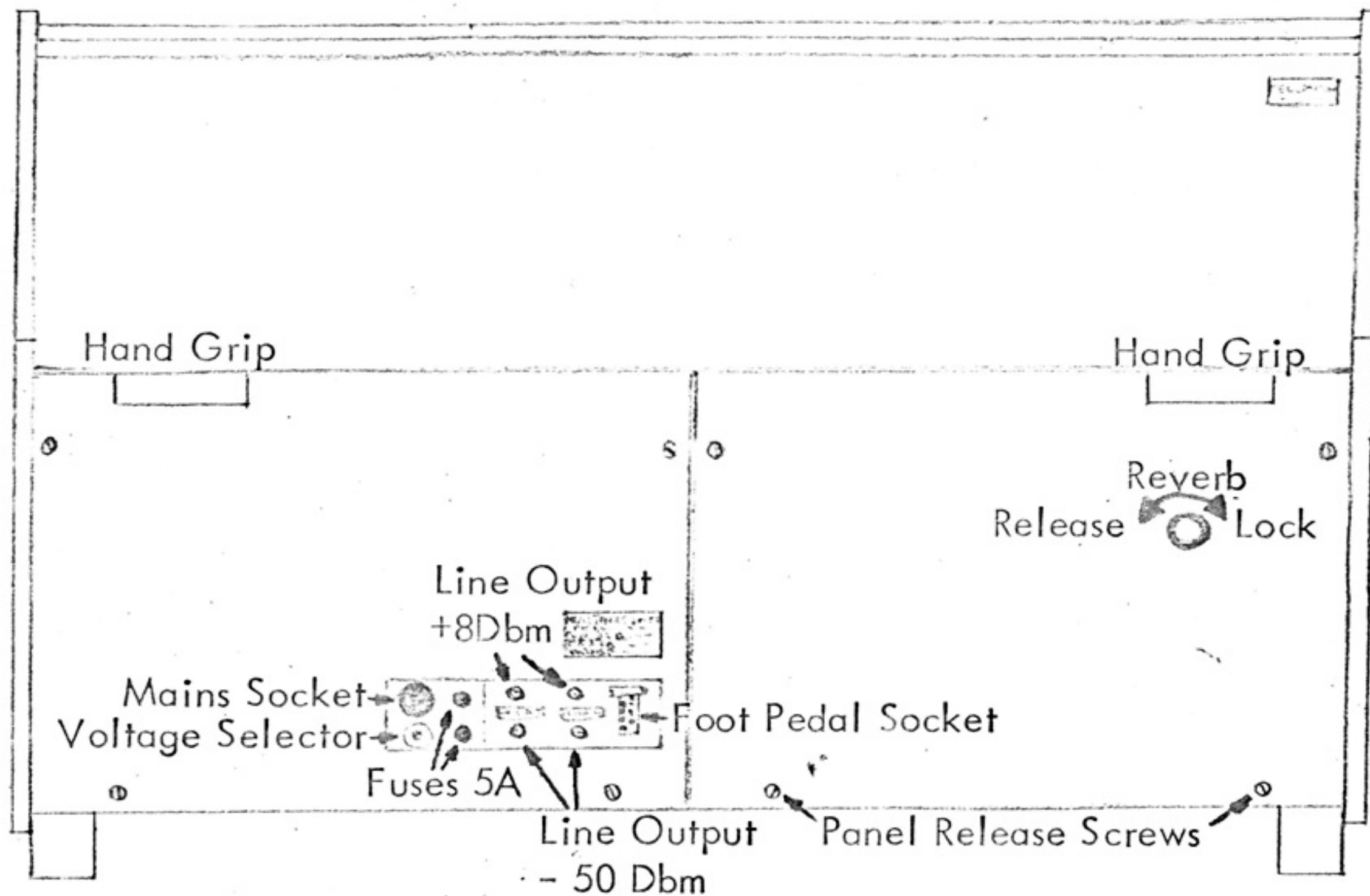
The Mellotron Mark 5 is fitted with a newly designed self regulating Electronic Pitch control System type SMS 2. This new system gives exceptional stability against voltage variations and temperature changes, it is also silent running. In the centre position all instruments on both keyboards will be at Concert Pitch. Rotation of this control will give a pitch variation of  $\pm 20\%$ . The purpose of this control is not only to allow the Mellotron to be tuned accurately, but also to give the facility for special effects and dramatic changes of key and pitch.

### Amplification

The Mellotron Mark 5 has no built in main amplifier or loudspeaker system but is designed to connect directly into any external amplifier system or a mixing console. Both high and low level outputs are provided for each keyboard for correct matching. Although designed on a stereo format, by use of the pan controls only one output need be used.

\* \* \* \* \*

## BACK PANEL



## SPECIFICATIONS

HEIGHT : 35 $\frac{1}{4}$ "  
 WIDTH : 52"  
 DEPTH : 26"  
 WEIGHT : 300 lbs

Signal to Noise: Better than 60 dBm below + 8 dBm  
 Tape Velocity: Normal 7 $\frac{1}{2}$  i.p.s. Variable speed range  $\pm$  20%  
 Reproduce: 50Hz - 12KHz  $\pm$  3dB  
 Frequency: Reproduce characteristic modified NARTB standard  
 Tone Control: 10db cut at 10 KHz  
 Reproduce Heads: Low impedance: 3MH: 70 in total

Outputs: Two unbalanced Line outputs (Left and Right)  
 Each comprising High Level + 8dBm  
 Low Level - 50 dBm  
 Stereo Headphone socket

Power Supply: Transformer tapped at 115V, 220V, 50 or 60 cps. Single phase  
 Consumption: 500 VA Maximum.

Panel Controls: Illuminated ON/OFF Switch  
 TRACK SELECTOR CONTROL  
 GAIN CONTROL  
 TONE CONTROL

ELECTRONIC PITCH CONTROL-SMS2  
 PANNING CONTROL  
 REVERBERATION CONTROL

\* \* \* \* \*