

THE ERA 1103
COMPUTER SYSTEM
(TYPE 2300C1)

VOLUME SIX

PLATES

PX 71871

Remington Rand

ENGINEERING RESEARCH ASSOCIATES DIVISION

1902 WEST MINNEHAHA AVE. ST. PAUL W4 MINNESOTA

PX 71871

TABLE OF CONTENTS
VOLUME 6

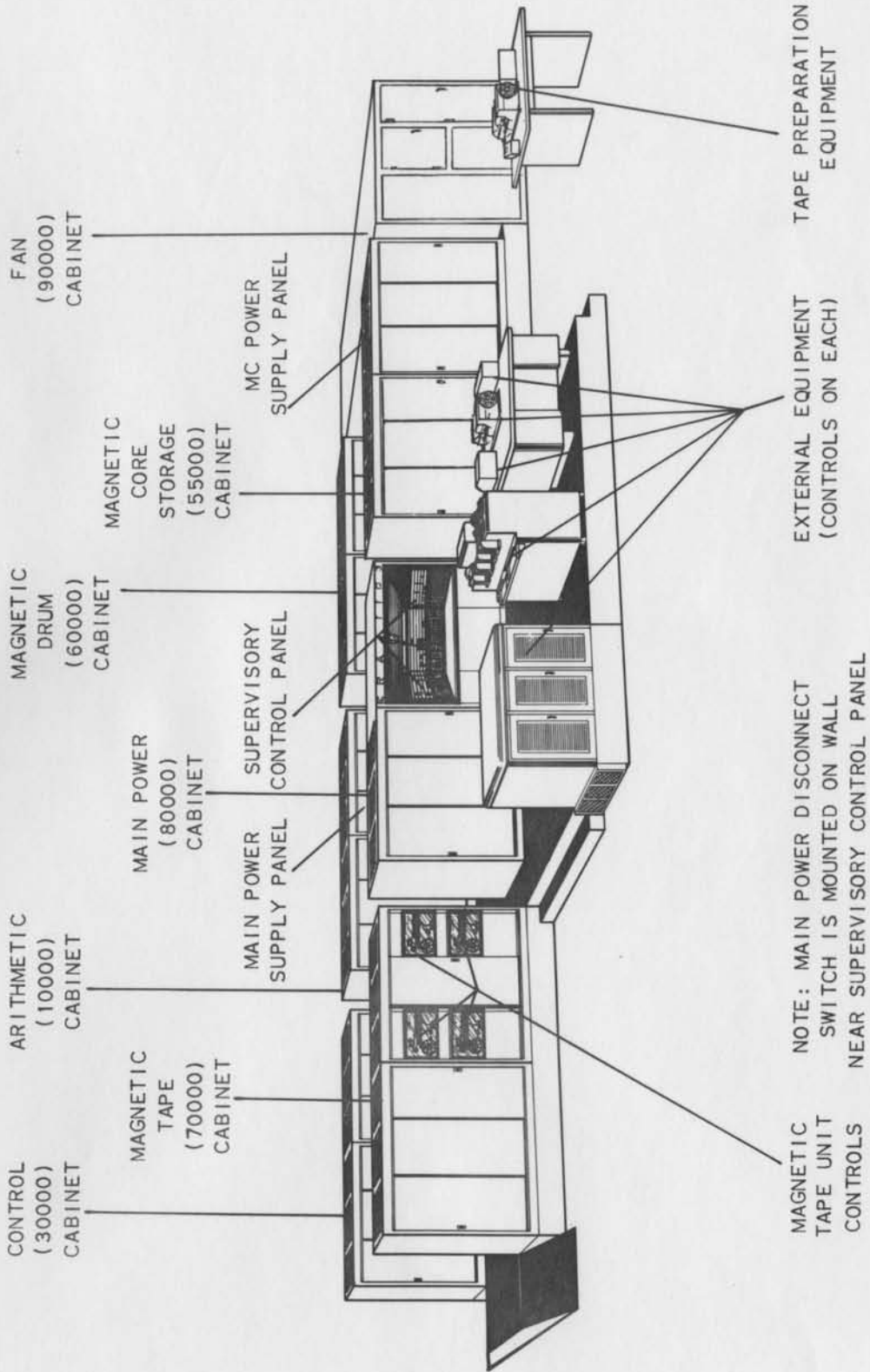
PLATES

<u>Title</u>	<u>Plate</u>
ERA 1103 Computer System	2-1
Main Power Supply Control Panel	2-2
MC Power Supply Control Panel	2-3
Magnetic Tape Unit	2-4
Ferranti High Speed Tape Reader	2-5
Supervisory Control Panel	5-1
Left Section of Supervisory Control Panel	5-2
Lower Center Section of Supervisory Control Panel	5-3
Upper Center Section of Supervisory Control Panel	5-4
Right Section of Supervisory Control Panel	5-5
Main Power Cabinet, Rear, Showing Main Power Panel	5-6
Main Power Cabinet, Rear, Doors Open	5-7
Main Power Cabinet, Front, Doors Open	5-8
MC Power Cabinet, Rear Showing MC Power Panel	5-9
MC Power Cabinet, Rear, Doors Open	5-10
MC Power Cabinet, Front, Doors Open	5-11
MC Matrix Assembly	5-12
MC Matrix	5-13
MC Matrix Fuses	5-14
Magnetic Tape Unit Adjustments	5-15
MT Erase Bias Adjustments	5-16
Magnetic Drum with Head Bracket and Coupling Cover Removed	5-17

PX 71871

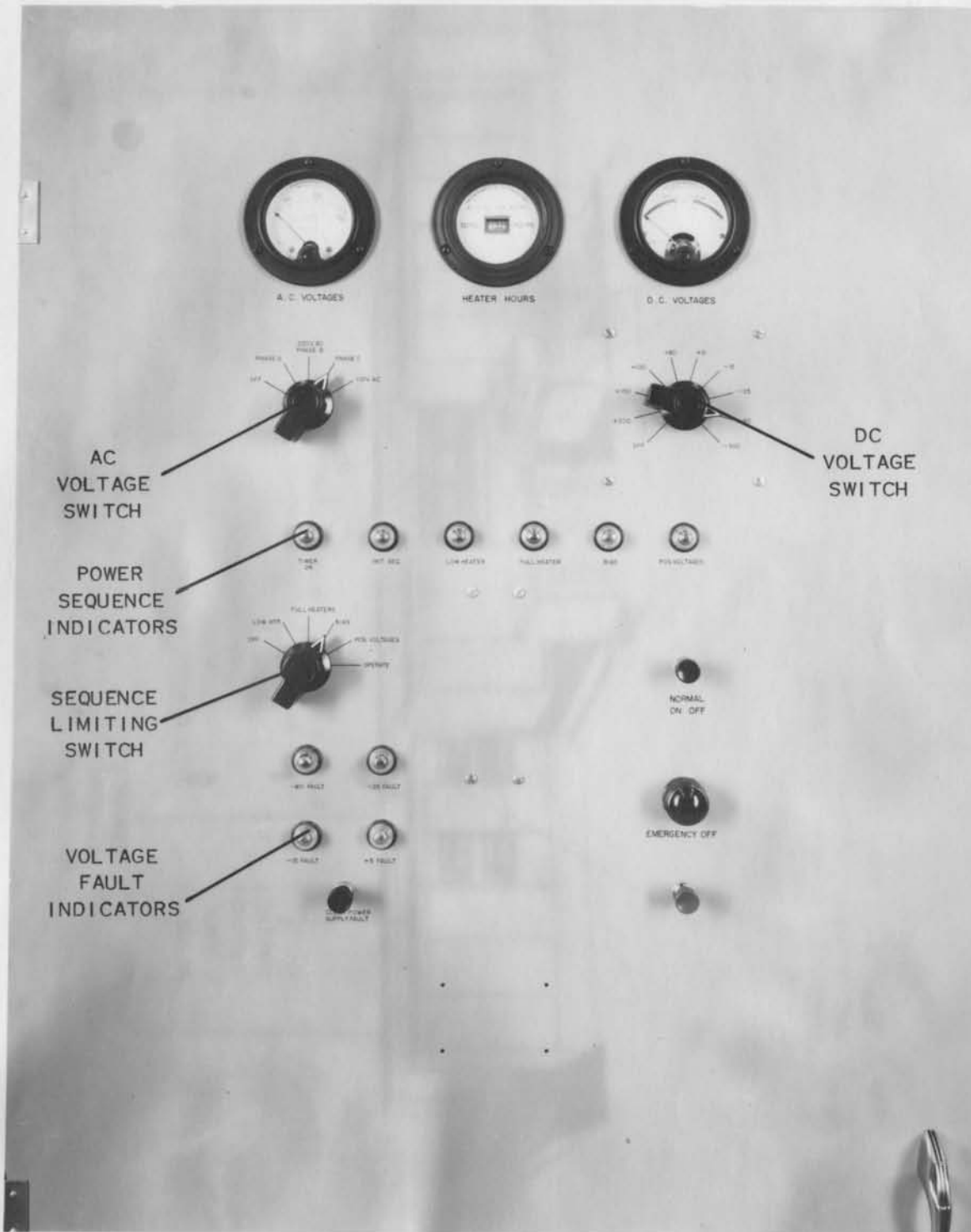
<u>Title</u>	<u>Plate</u>
Magnetic Drum Storage Assembly	5-18
Magnetic Storage Drum, Installed in Cabinet	5-19
Magnetic Head Assembly Detail	5-20
ERA Special Head-Setting Tools	5-21
Head Setting Oscillograms	5-22
Magnetic Drum Erase Equipment (28500 Unit)	5-23
Cooling System Blower	5-24
Cooling System Controls	5-25
Operator's Desk	5-26
Ferranti Photoelectric Tape Reader Adjustments	5-27
High-Speed Tape Punch with Cover Removed, Front View	5-28
High-Speed Tape Punch with Cover Removed, Side View	5-29
High-Speed Tape Punch with Cover Removed, Rear View	5-30
Output Typewriter	5-31

PX 71871



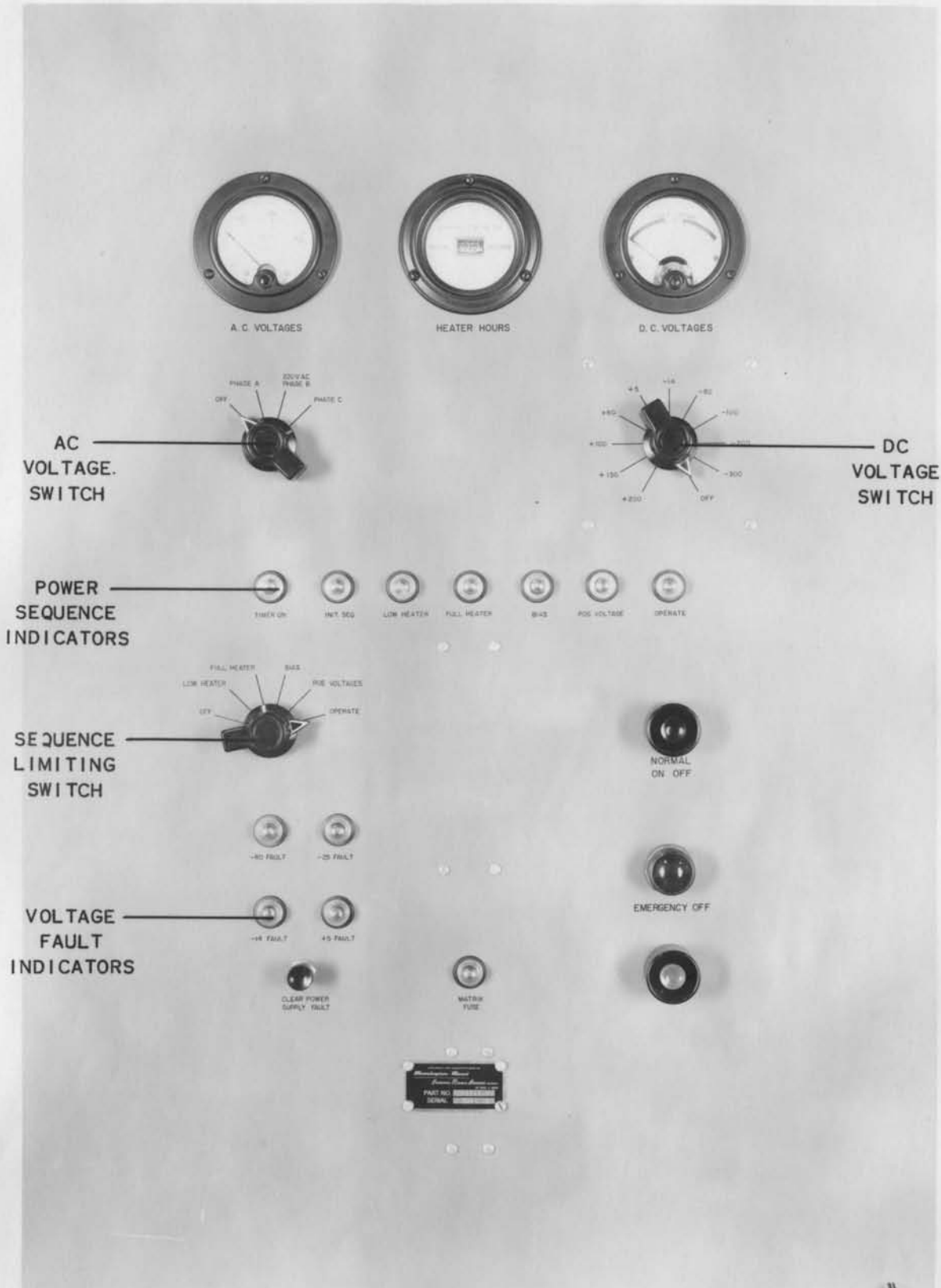
08388B

Plate 2-1, ERA 1103 Computer System



0A 7230

Plate 2-2. Main Power Supply Control Panel



08954

Plate 2-3. MC Power Supply Control Panel

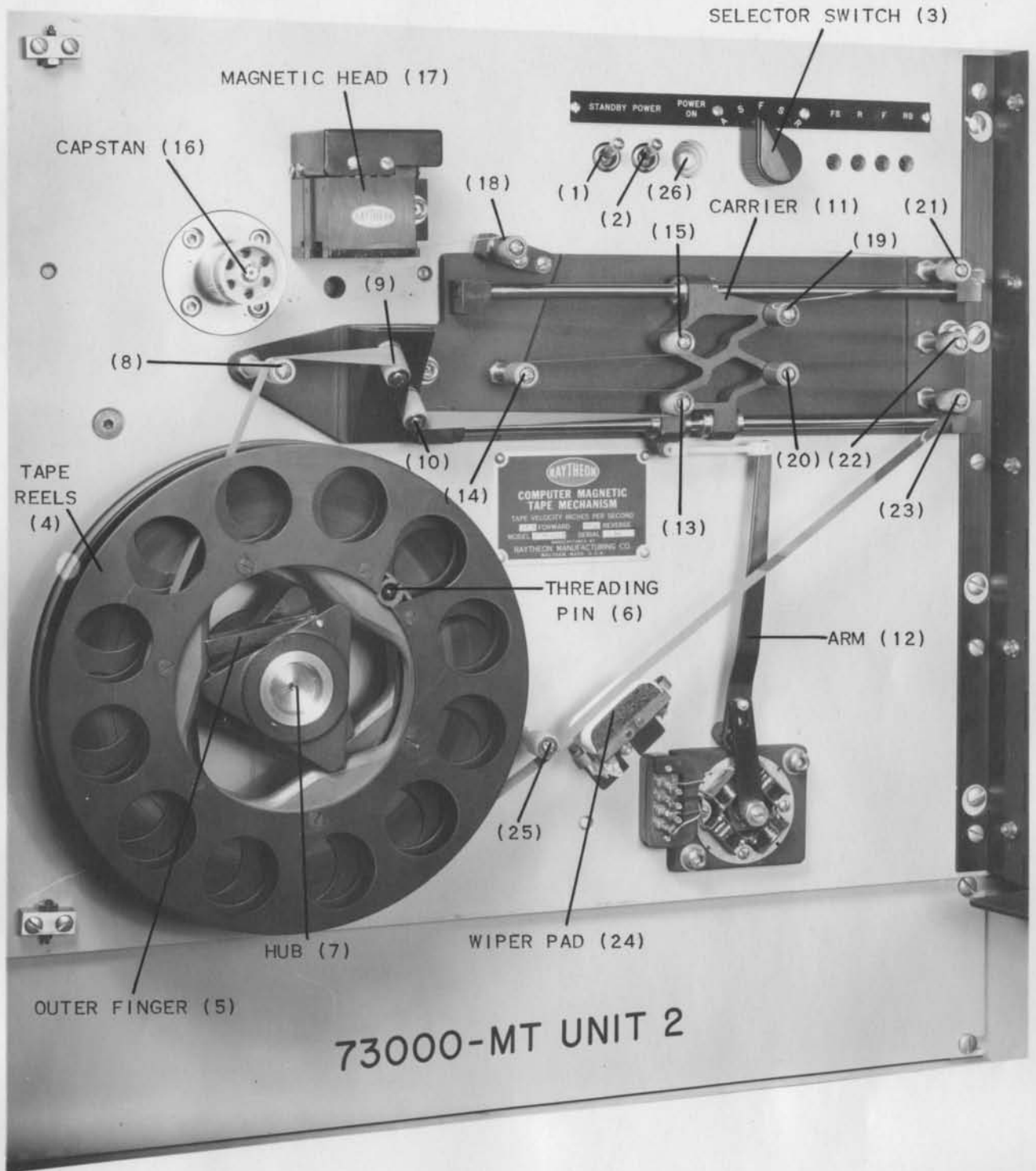


Plate 2-4. Magnetic Tape Unit

OB 7178

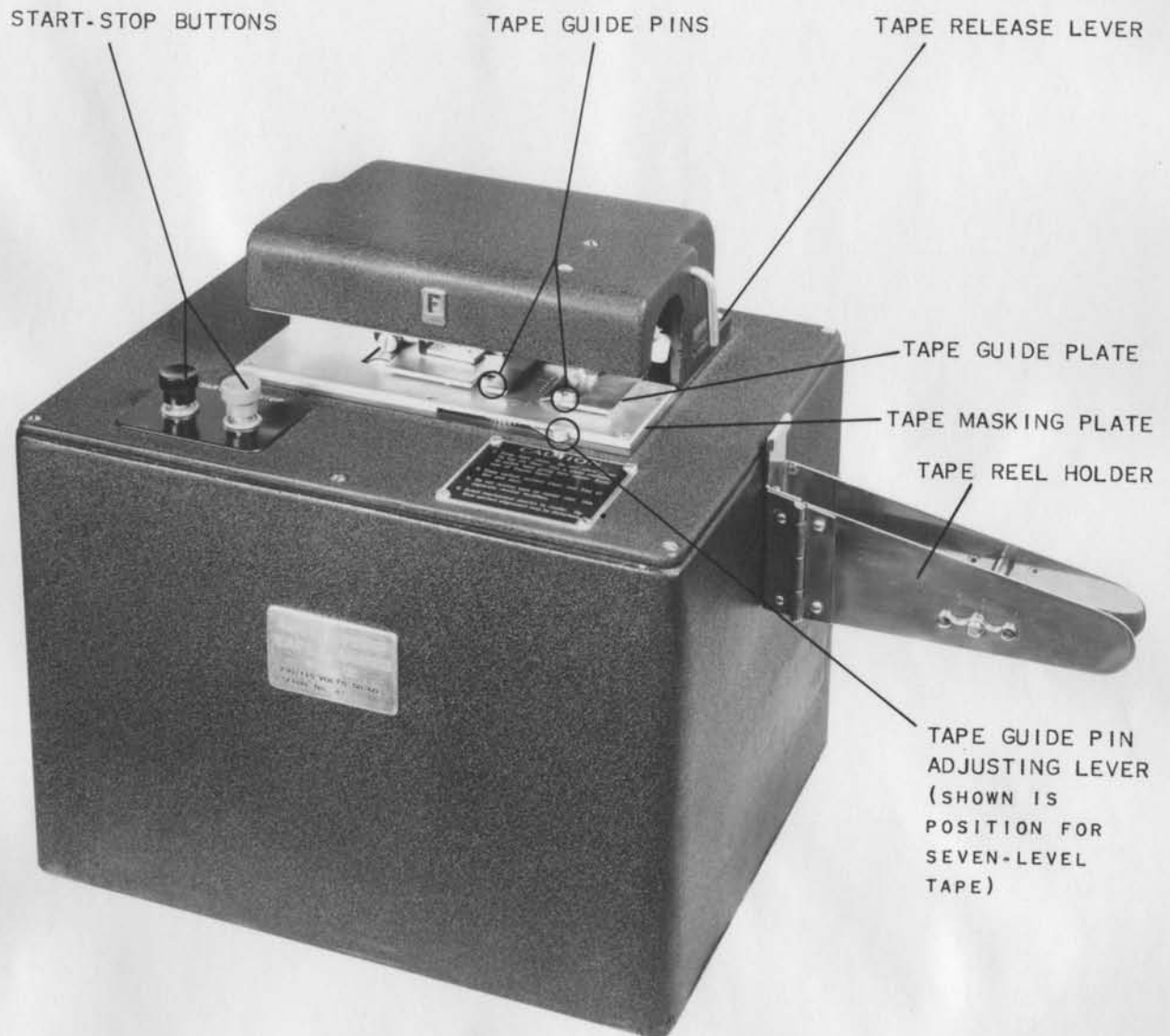
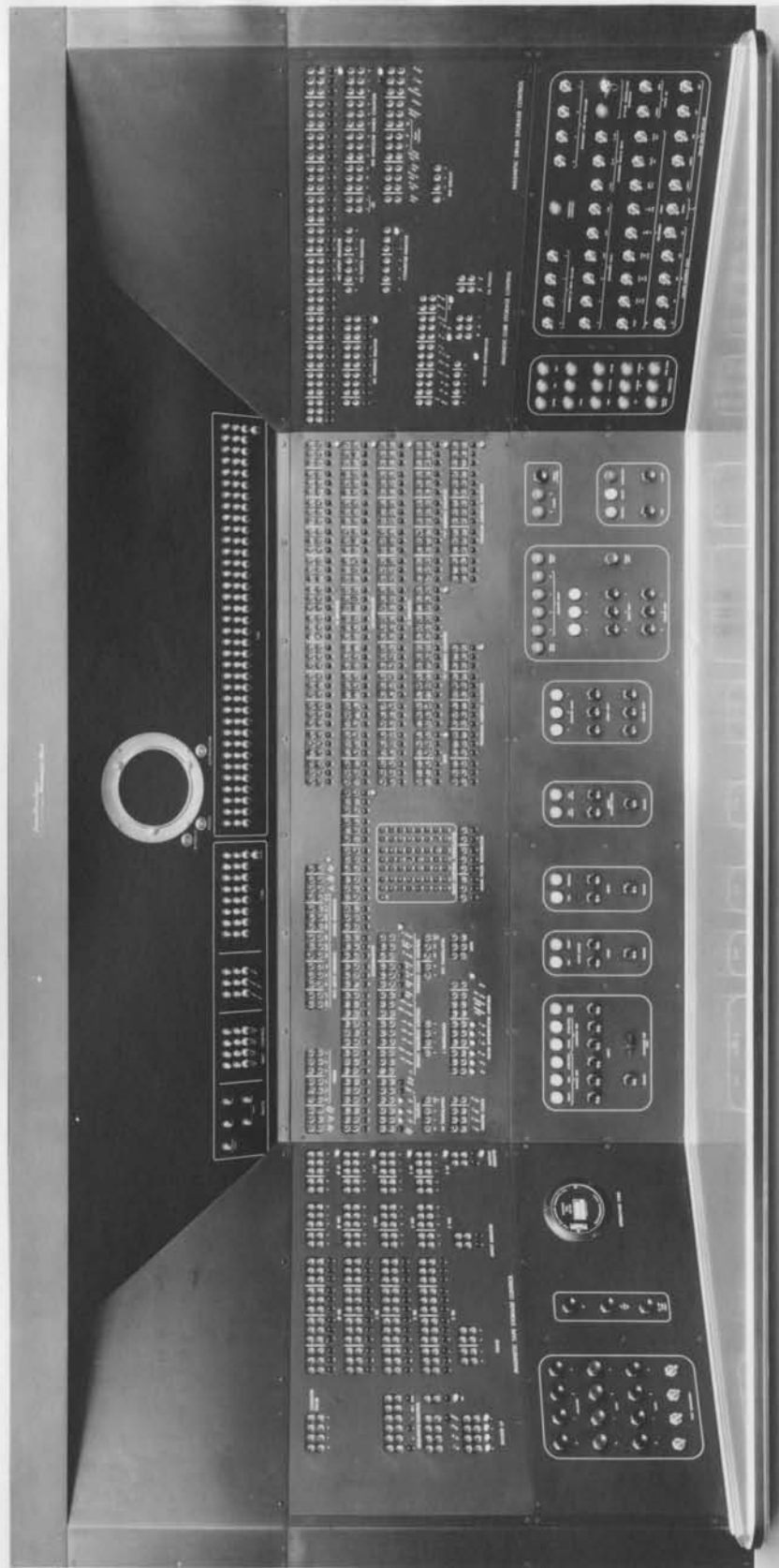
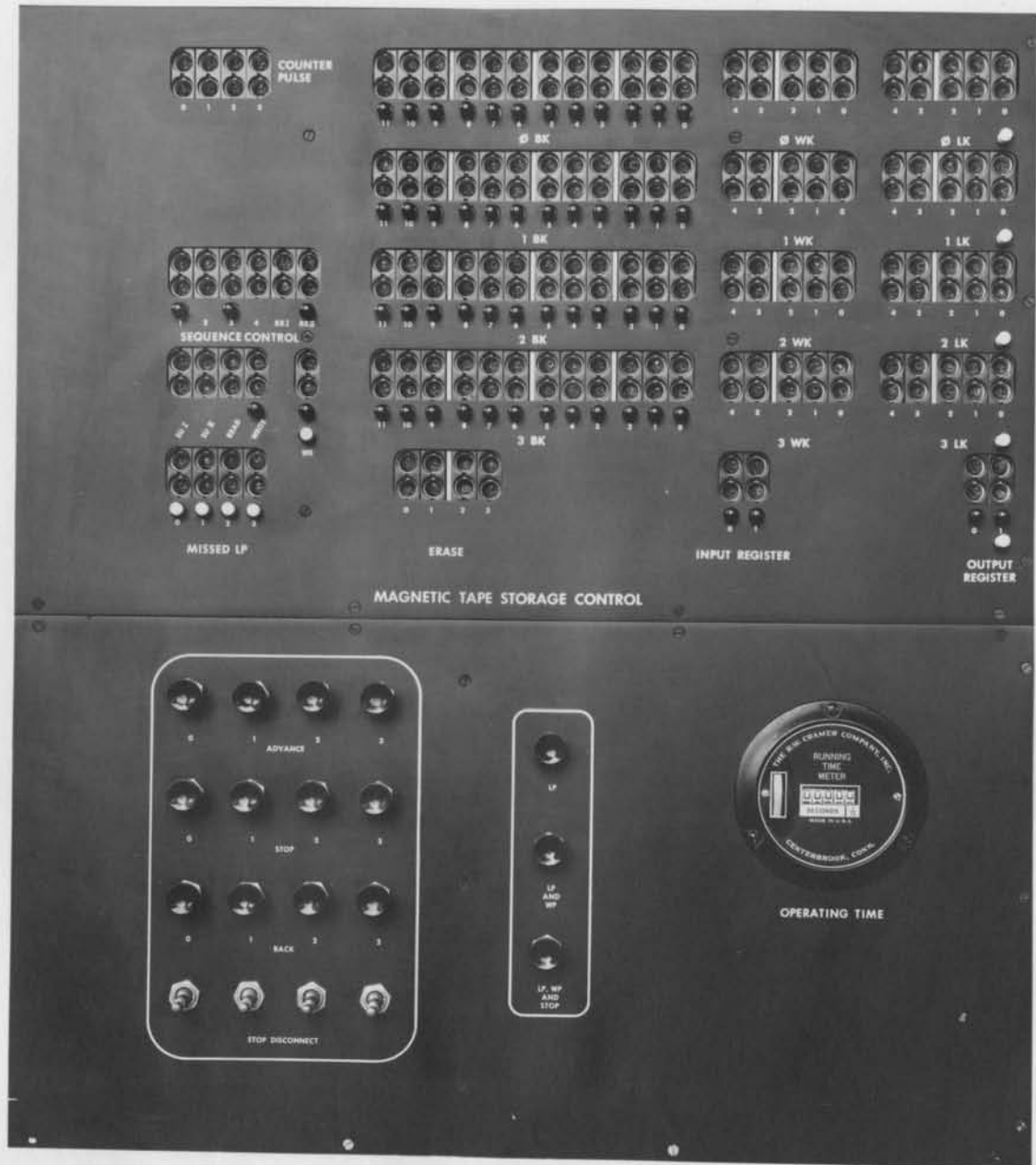


Plate 2-5. Ferranti High Speed Tape Reader, Mk. II with ERA Tape Reel Holder



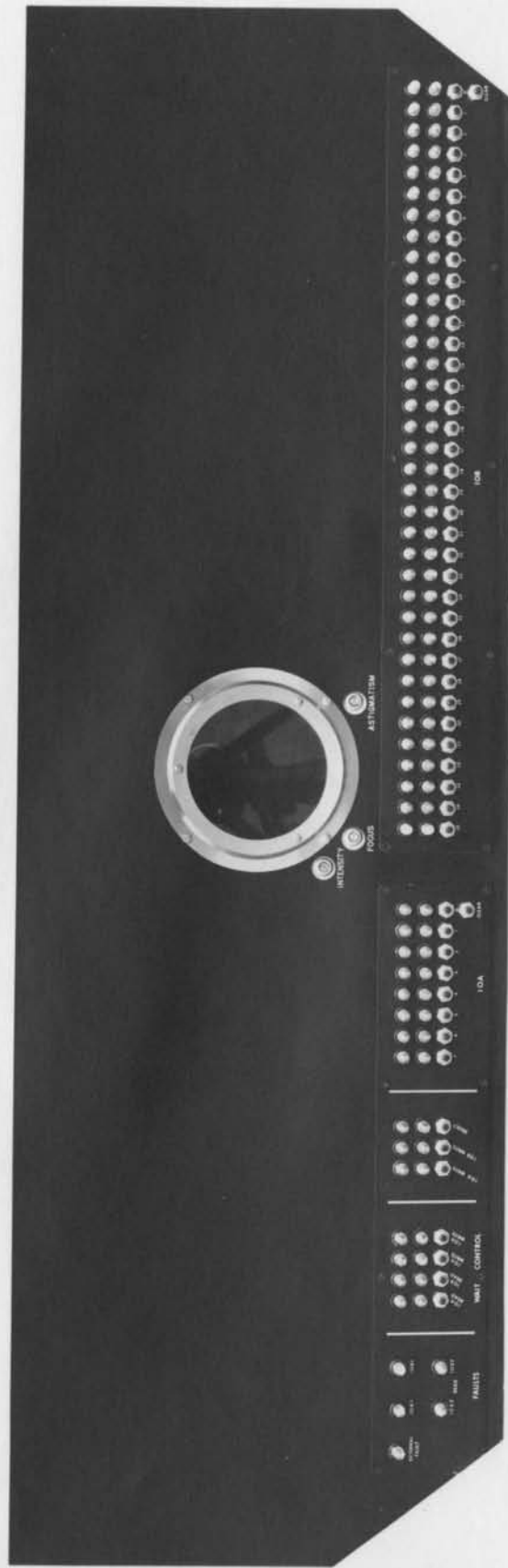
0A 8967

Plate 5-1. Supervisory Control Panel



0 8970

Plate 5-2. Left Section of Supervisory Control Panel



0 8494

Plate 5-4. Upper Center Section of Supervisory Control Panel

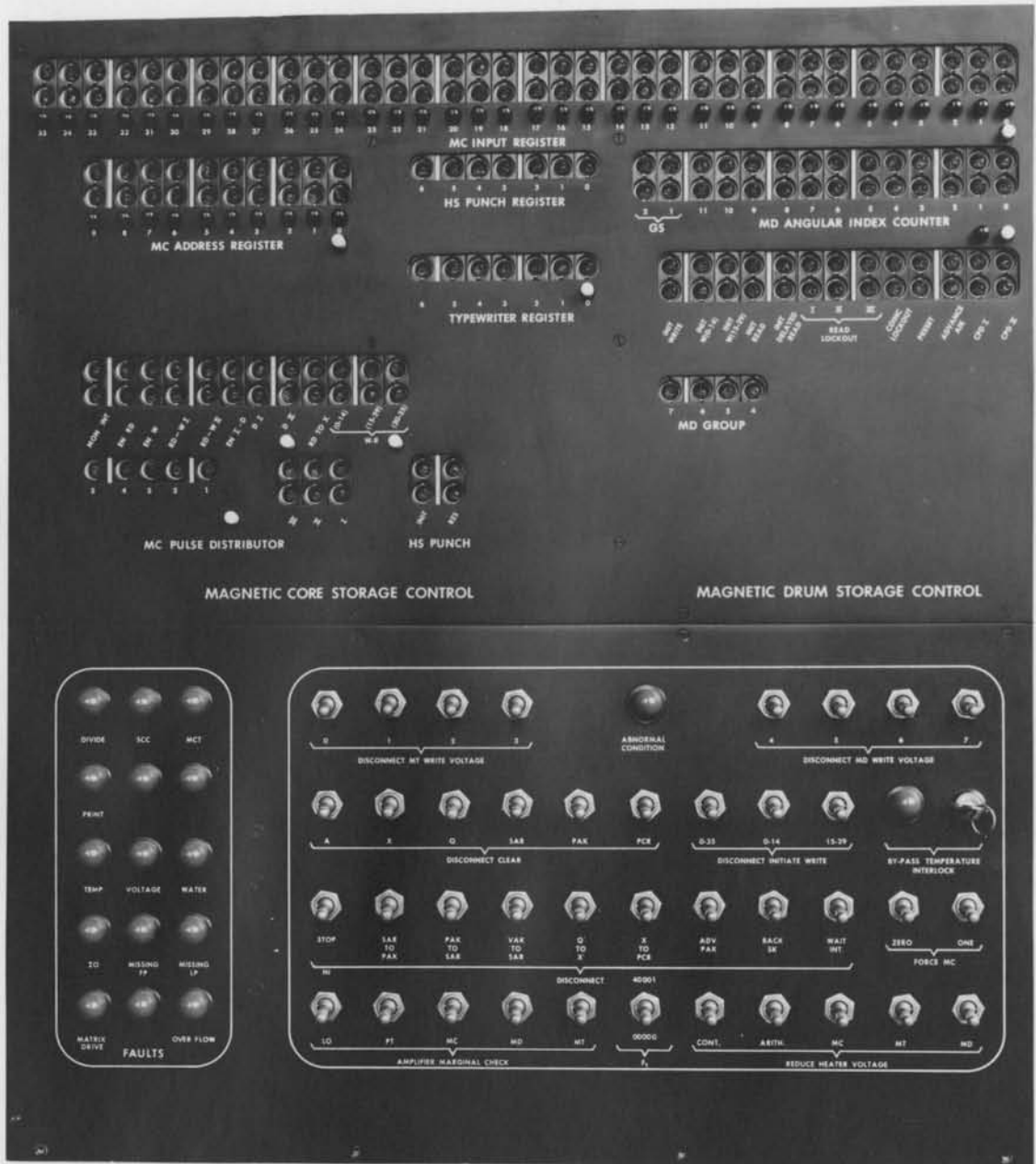


Plate 5-5. Right Section of Supervisory Control Panel

0A 8969

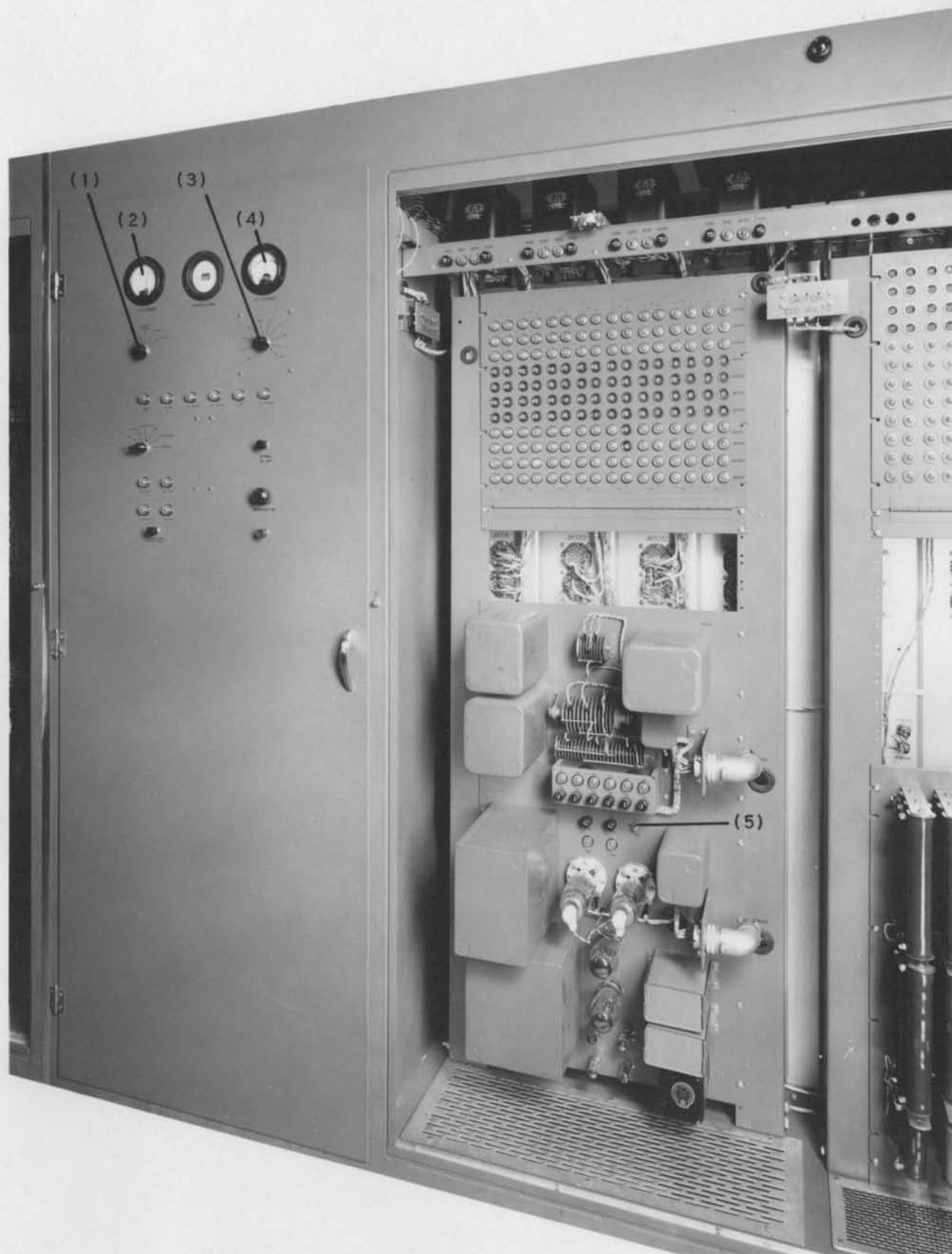


Plate 5-6. Main Power Cabinet, Rear, Showing Main Power Panel

0 8046

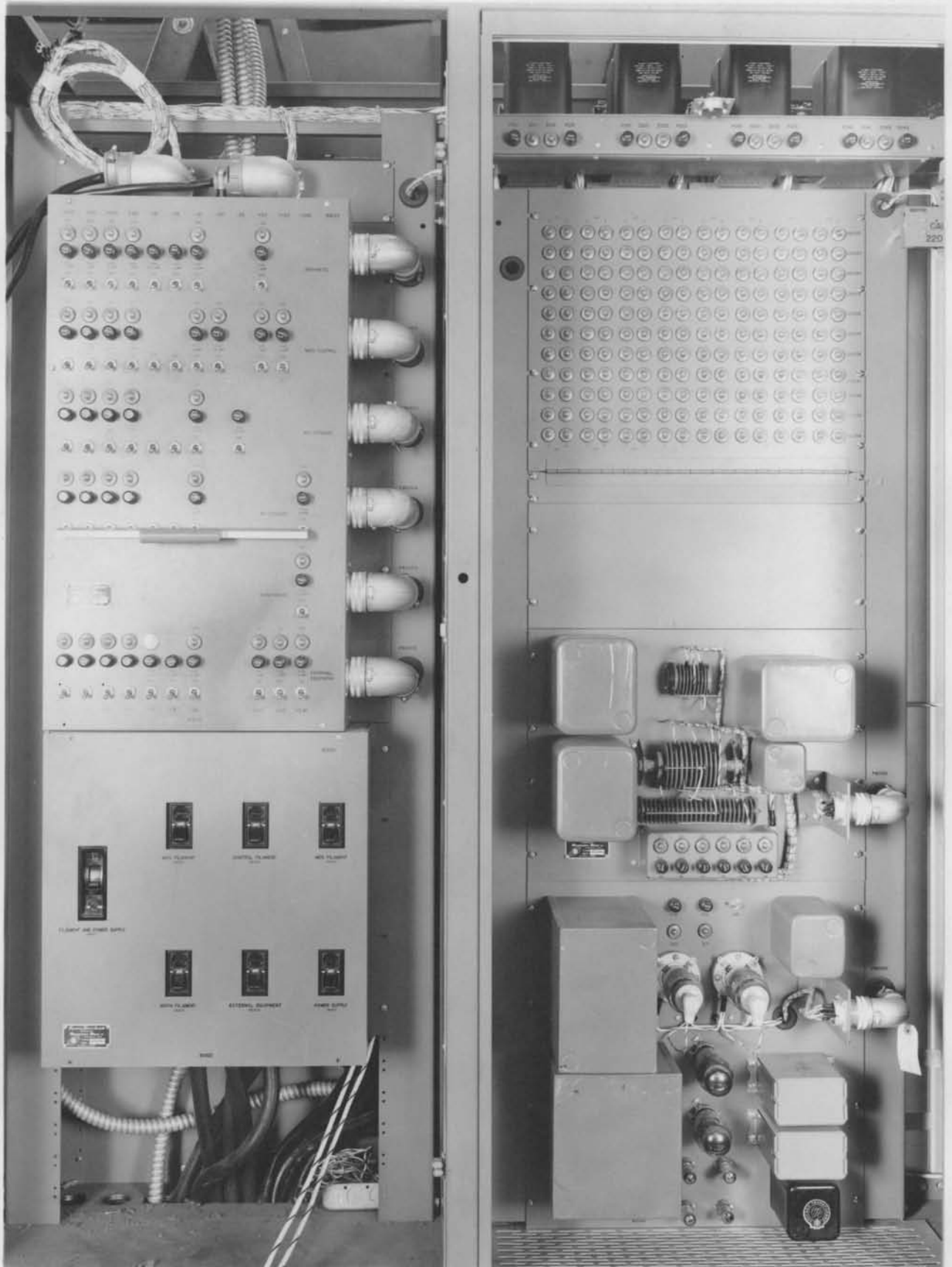


Plate 5-7. Main Power Cabinet, Rear, Doors Open

08498A

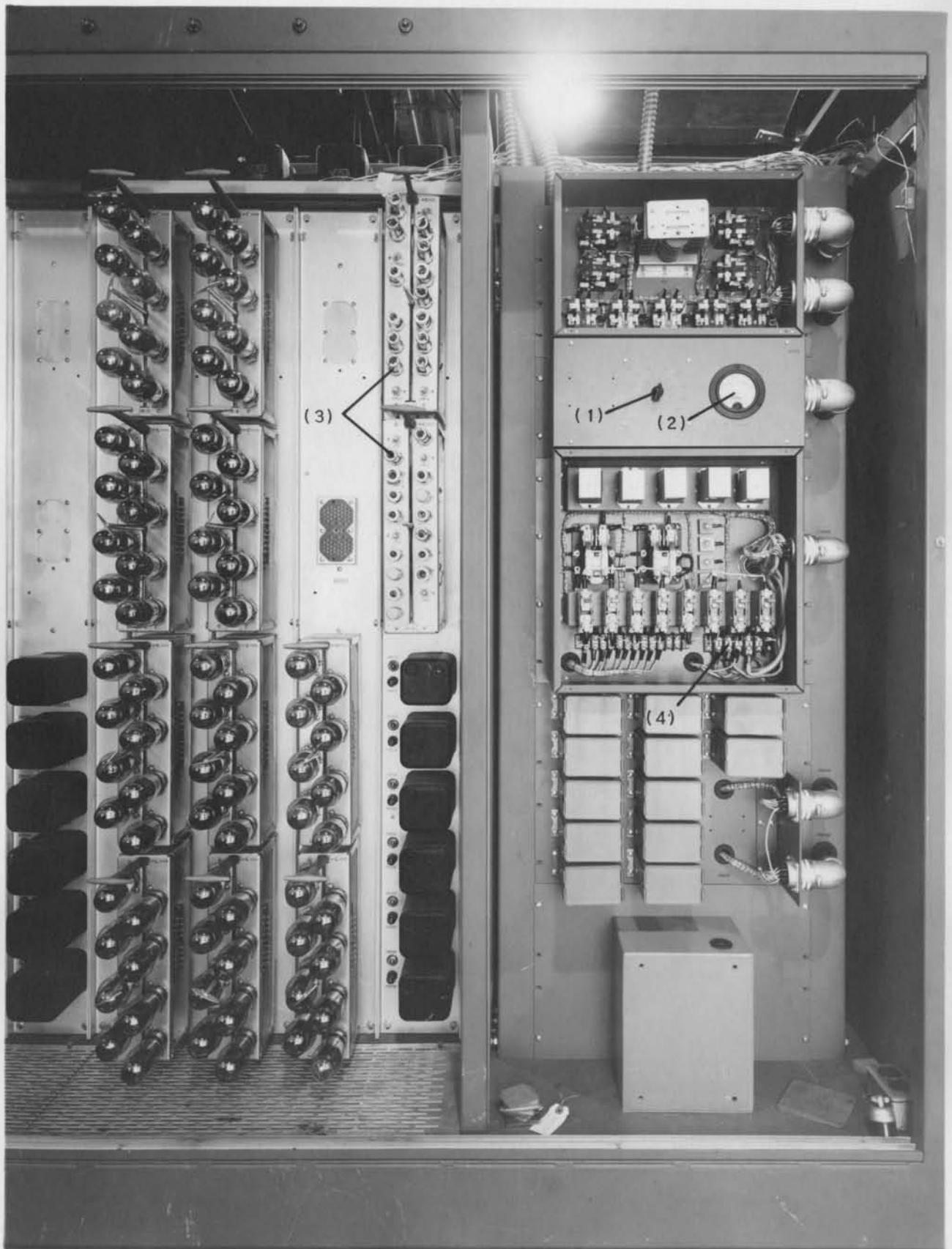
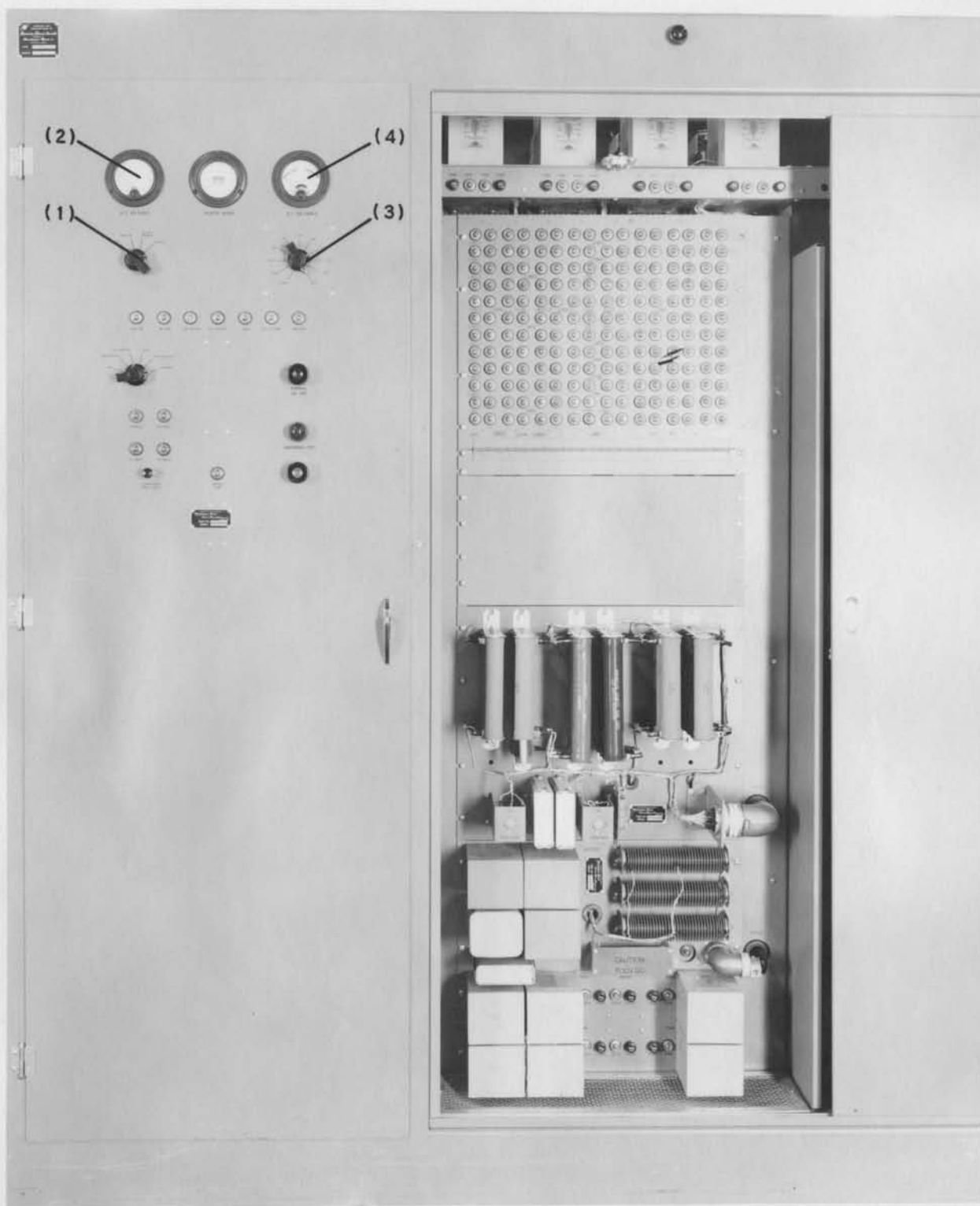


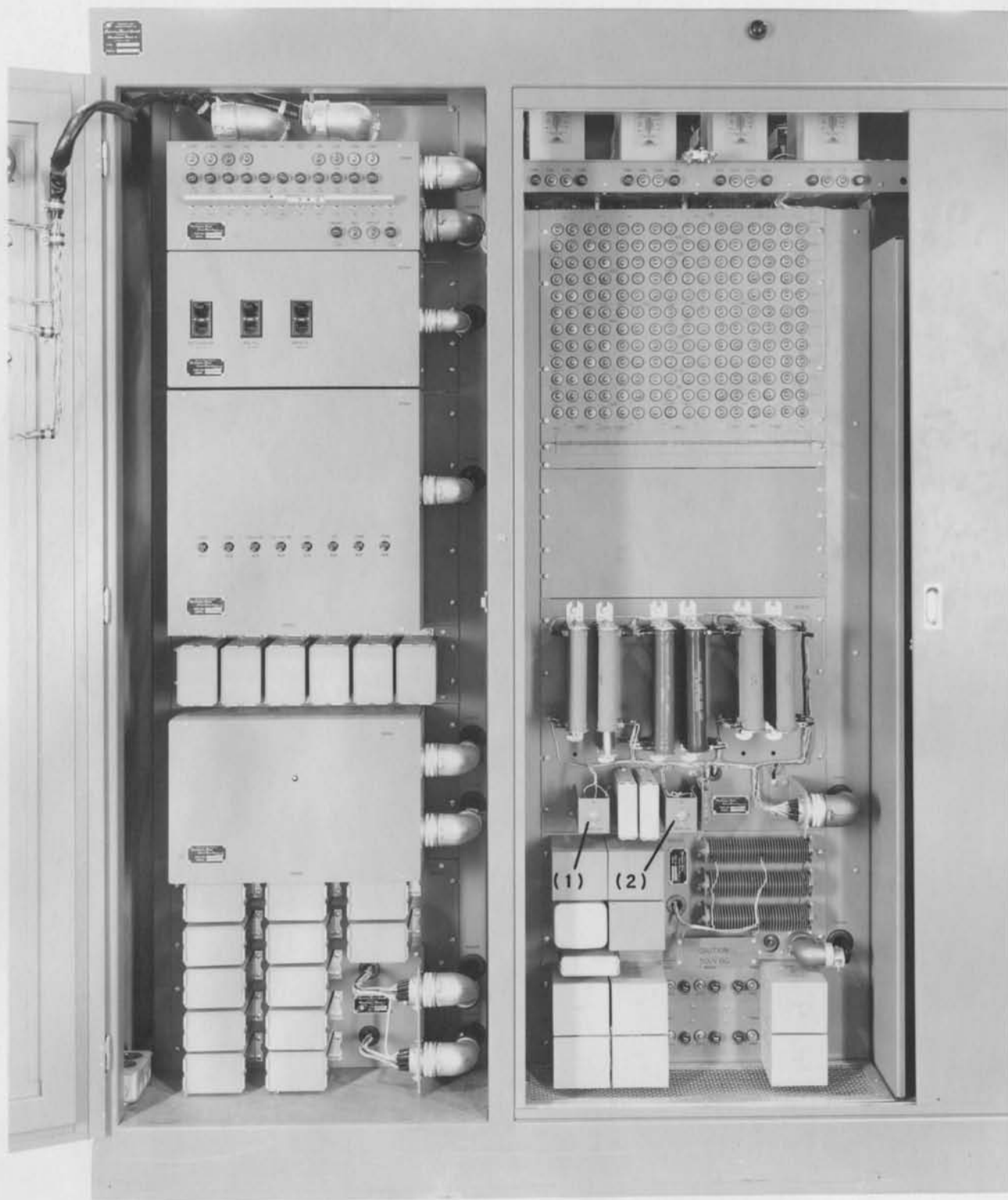
Plate 5-8. Main Power Cabinet, Front, Doors Open

0 8017



O 8955

Plate 5-9. MC Power Cabinet, Rear, Showing MC Power Panel



08956

Plate 5-10. MC Power Cabinet, Rear, Doors Open

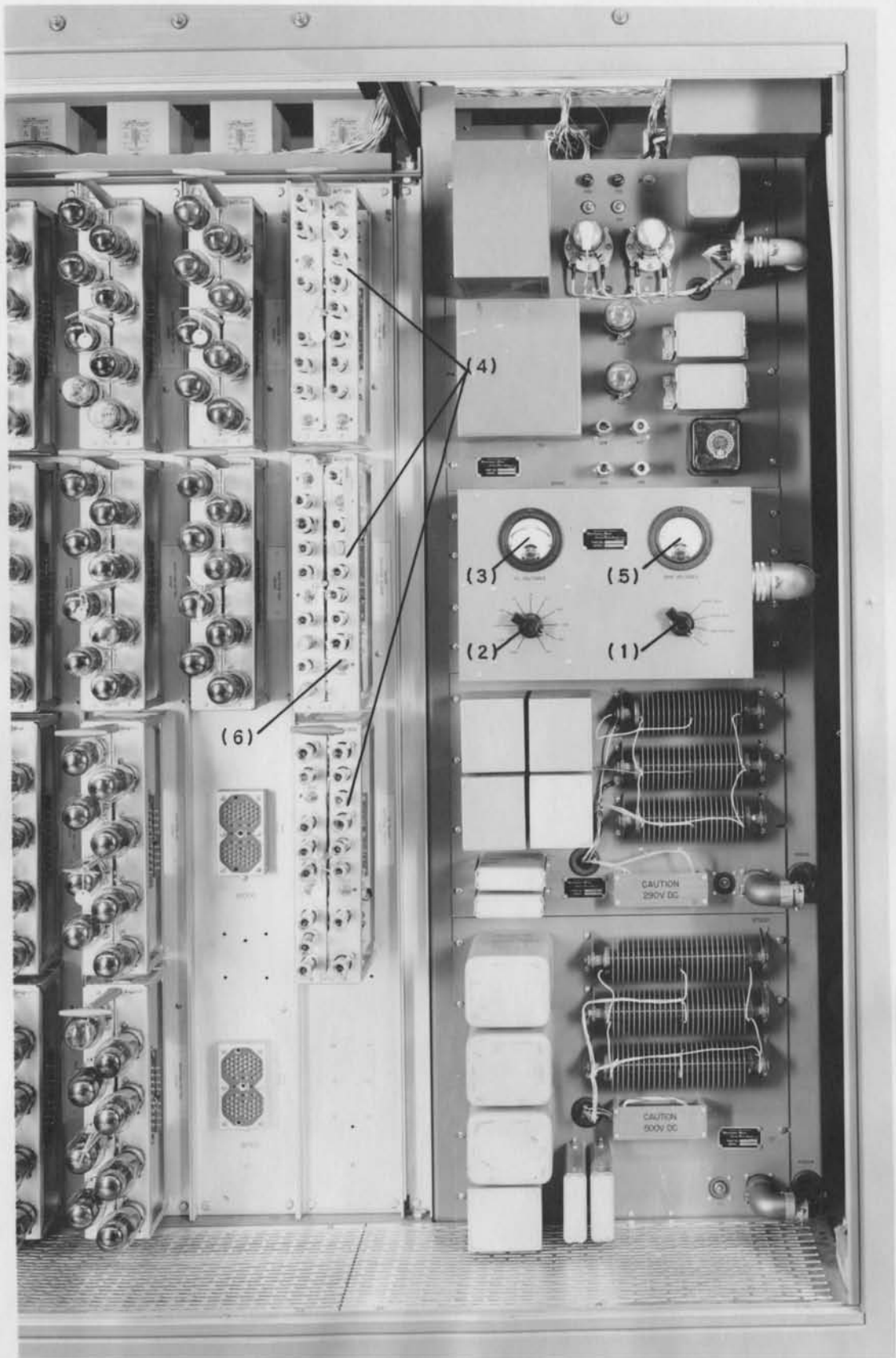


Plate 5-11, MC Power Cabinet, Front, Doors Open

08957

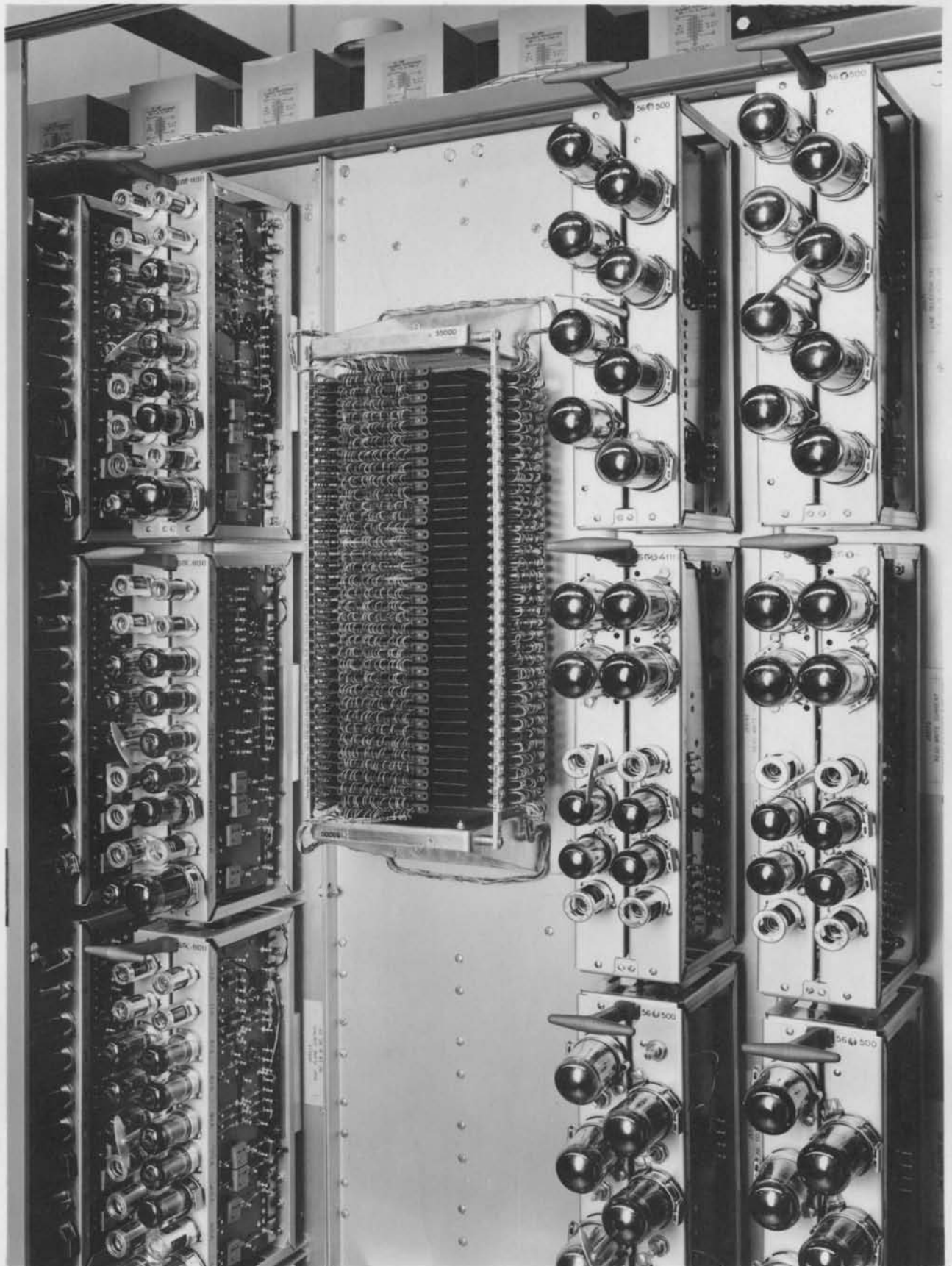


Plate 5-12. MC Matrix Assembly

08639

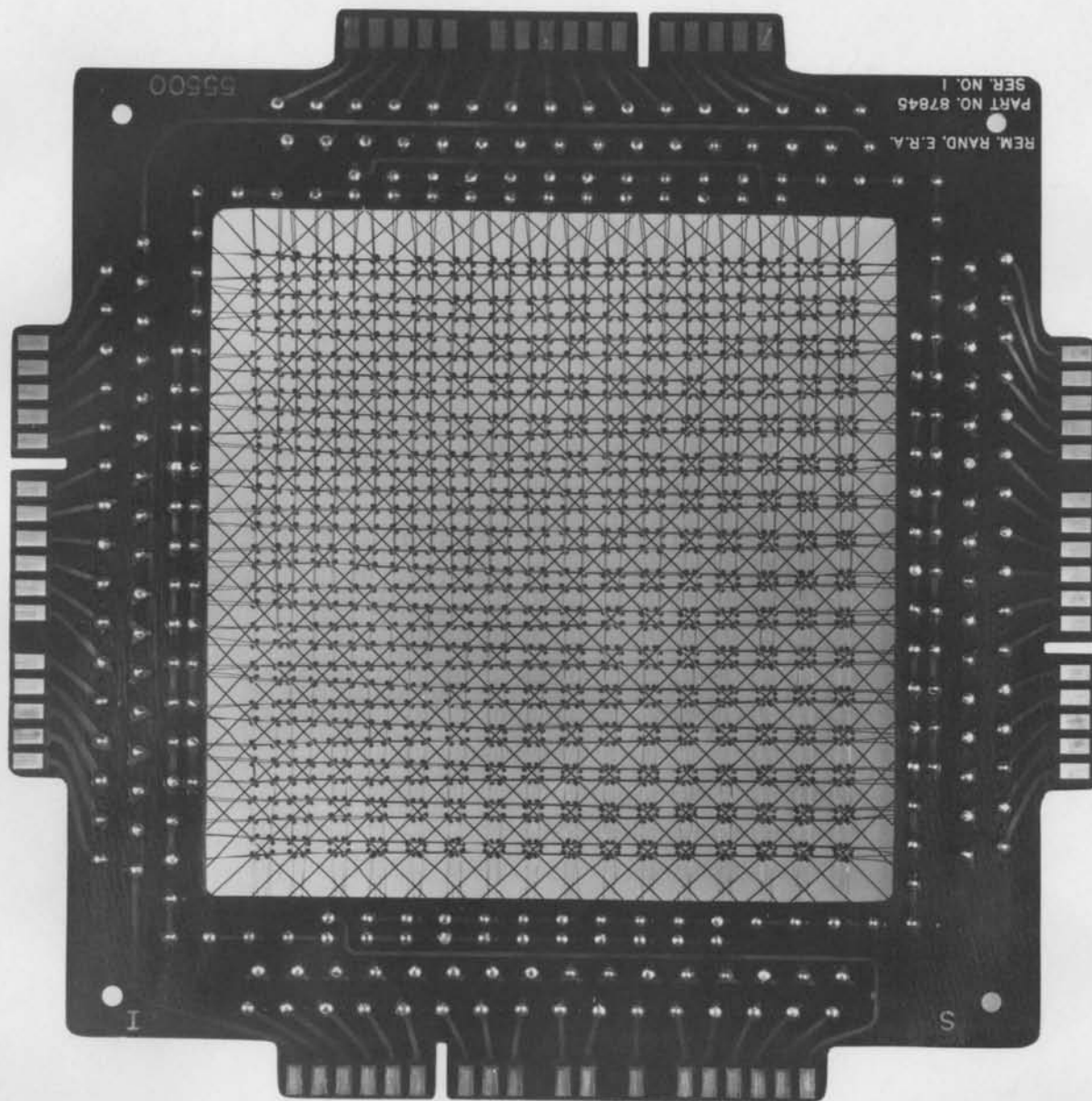


Plate 5-13. MC Matrix

08826

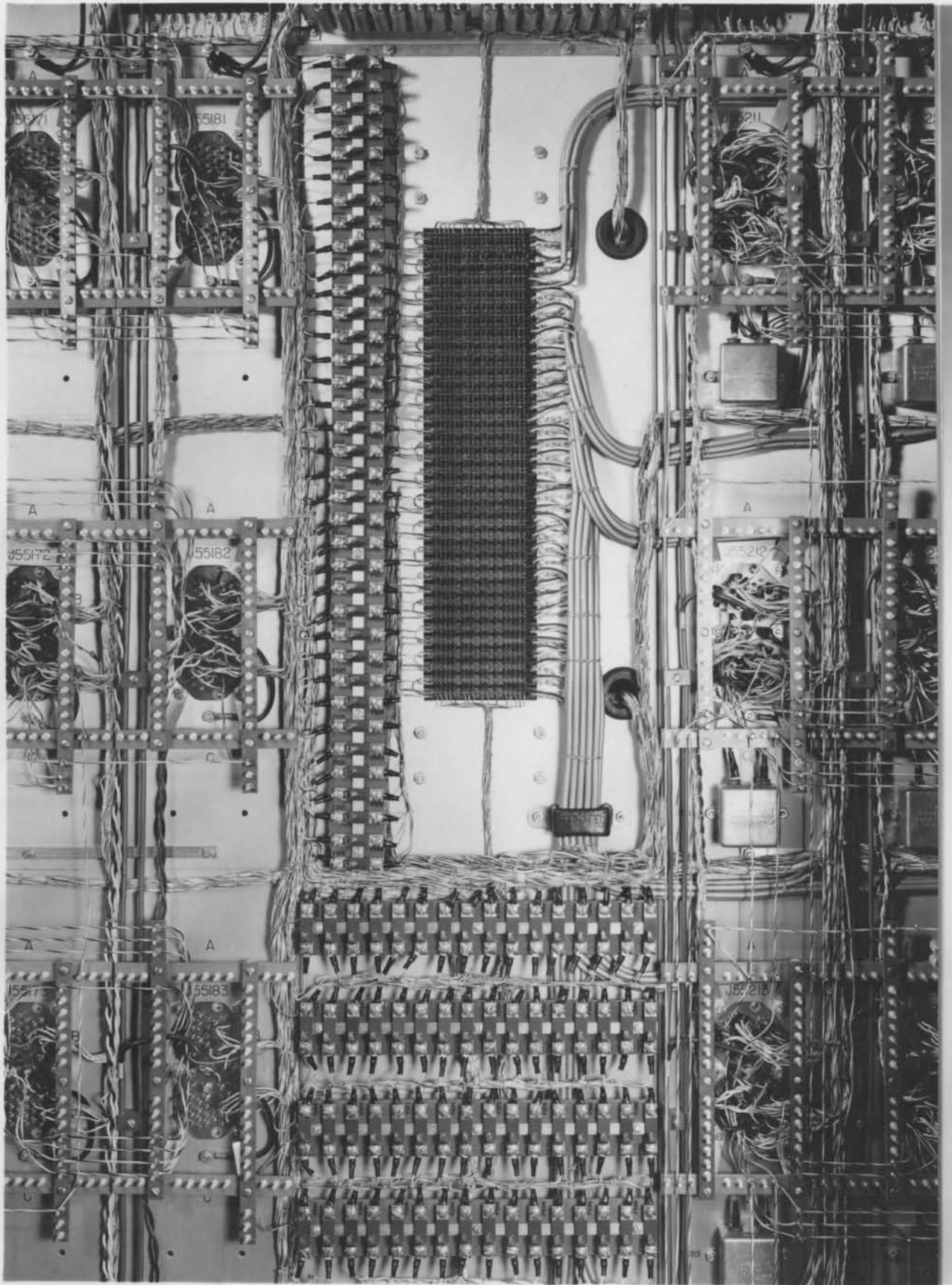
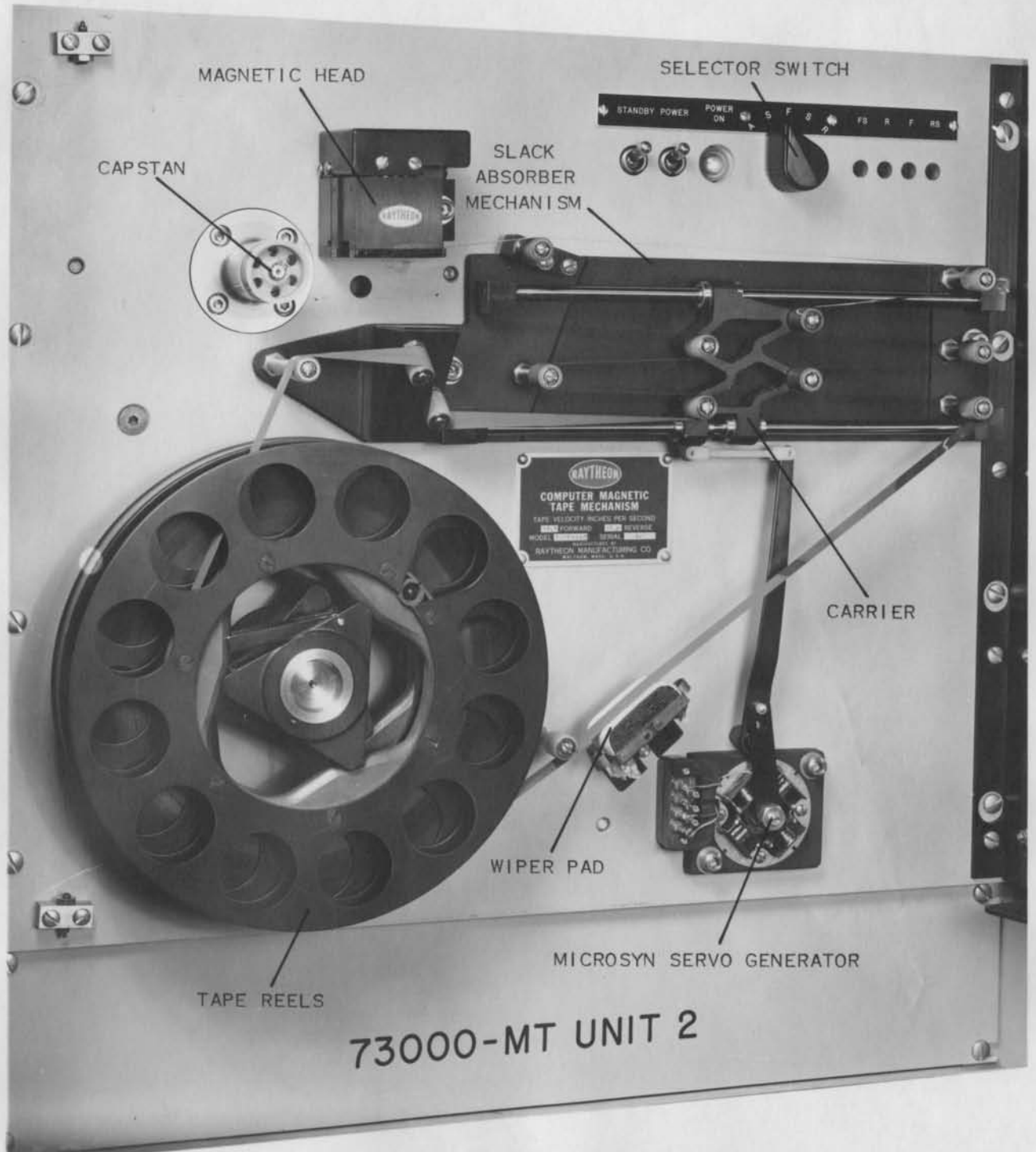


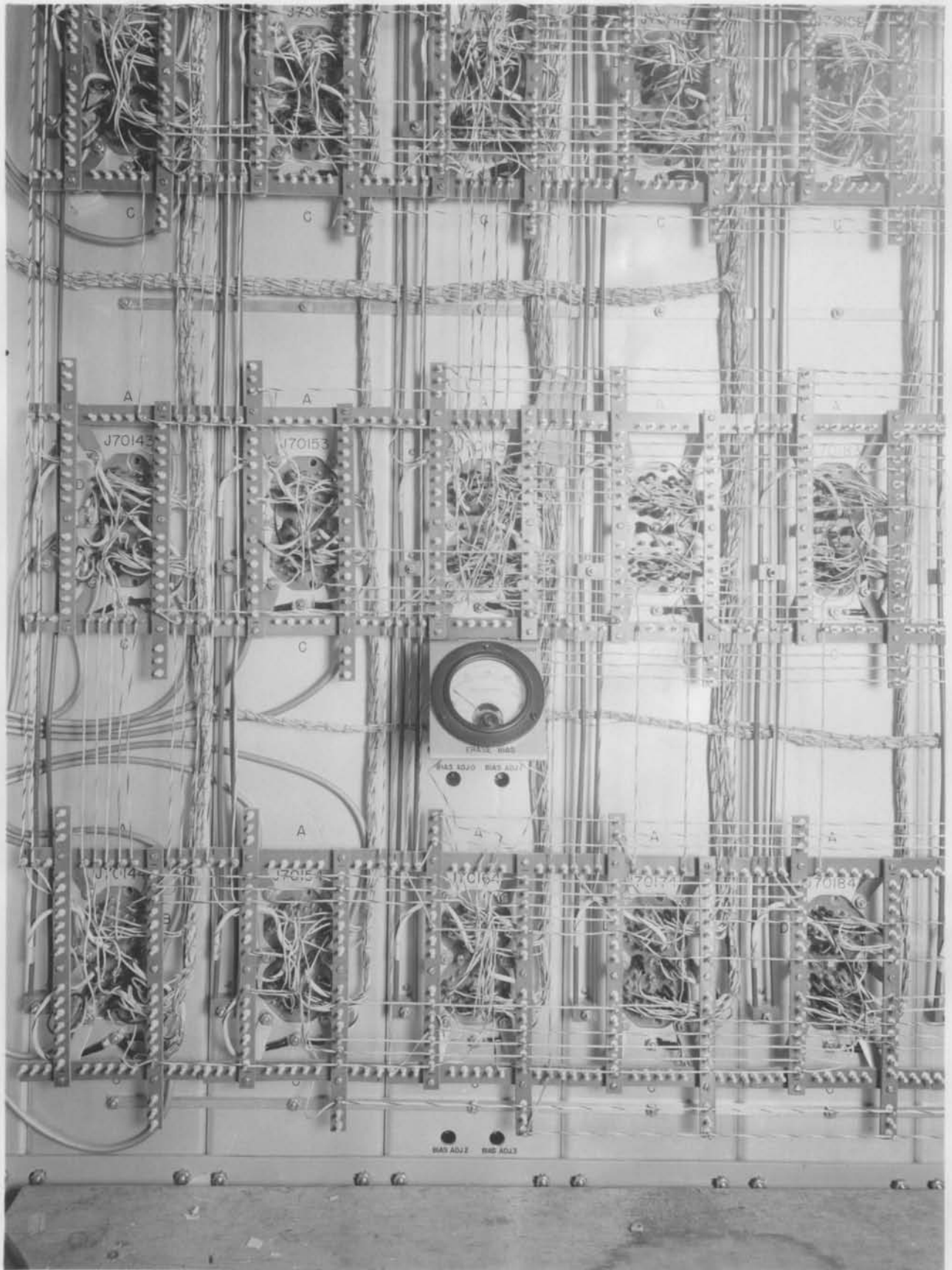
Plate 5-14. MC Matrix Fuses

09167



OC 7178

Plate 5-15. Magnetic Tape Unit Adjustments



OA 8023

Plate 5-16. MT Erase Bias Adjustments

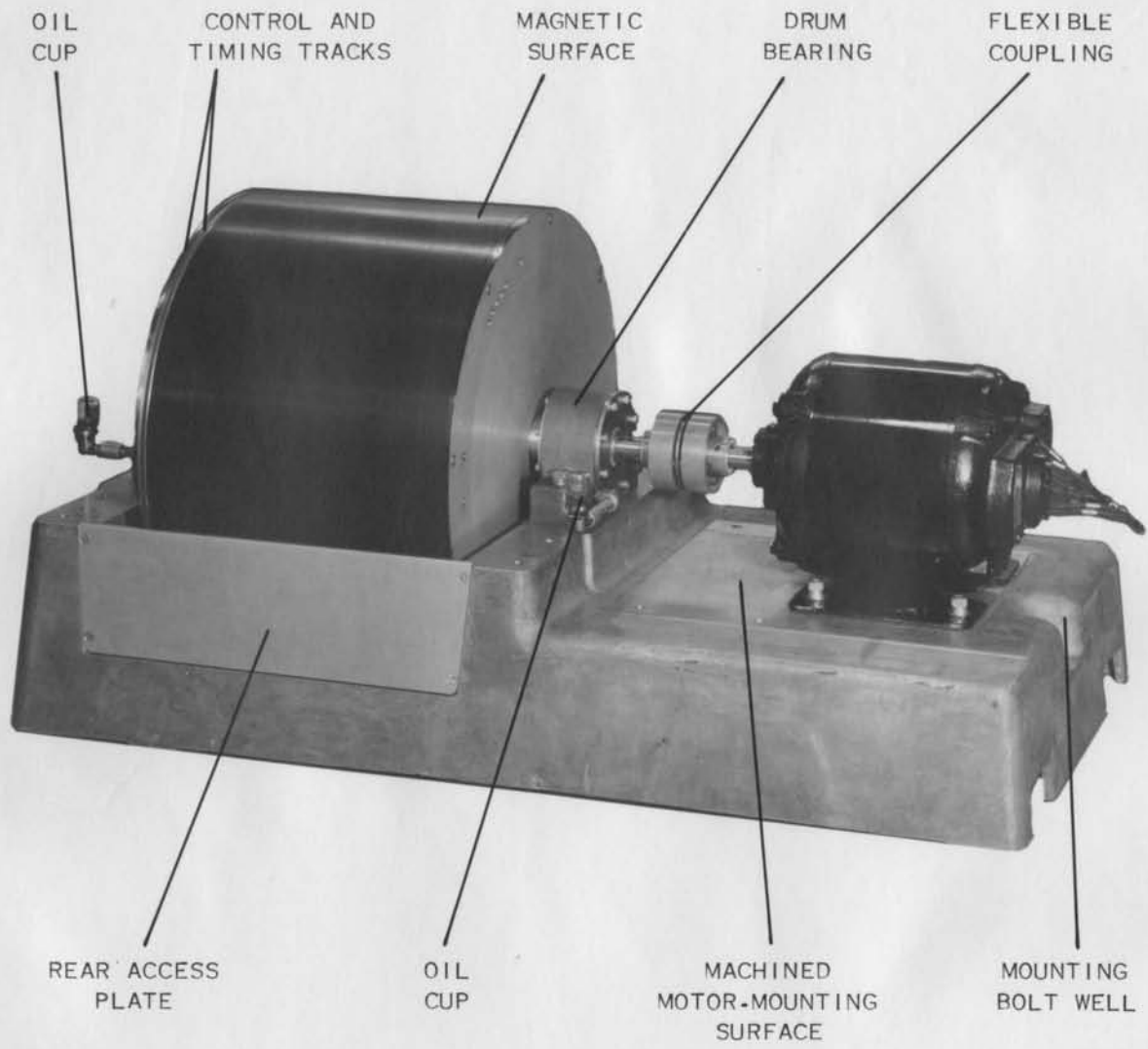
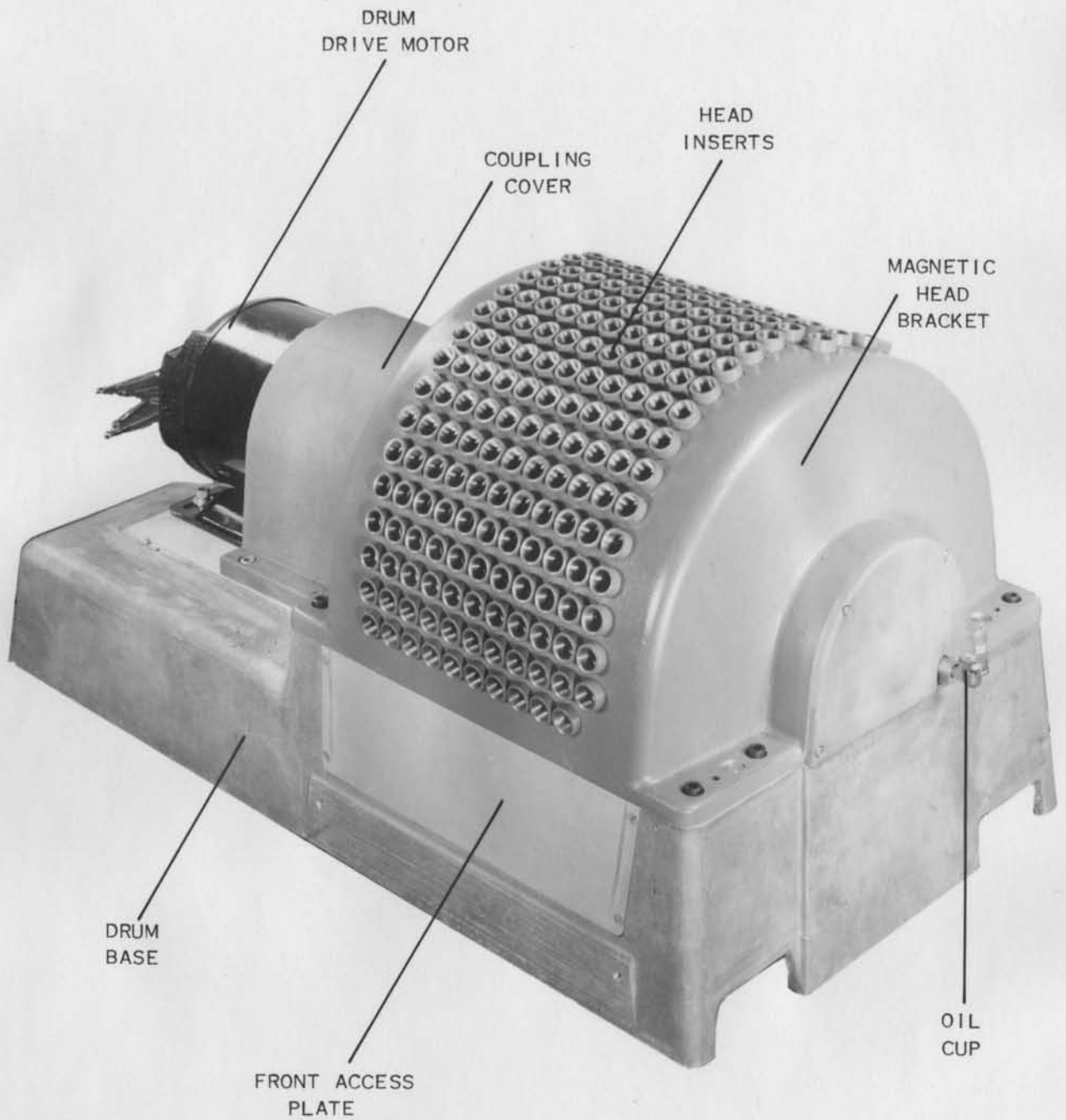


Plate 5-17. Magnetic Drum with Head Bracket and Coupling Cover Removed

OB 5801



OF 5824

Plate 5-18. Magnetic Drum Storage Assembly

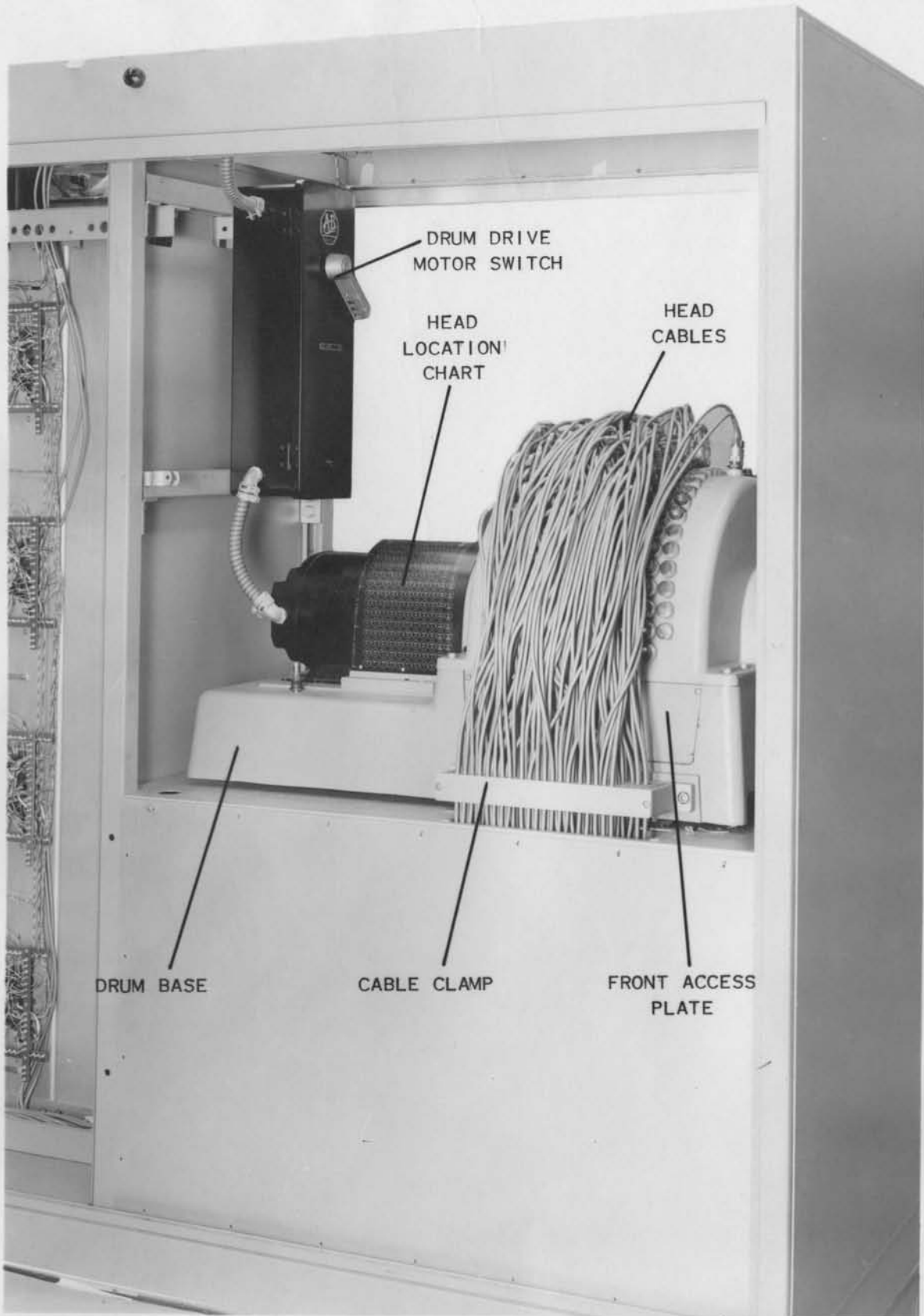


Plate 5-19. Magnetic Storage Drum, Installed in Cabinet

0A 7985

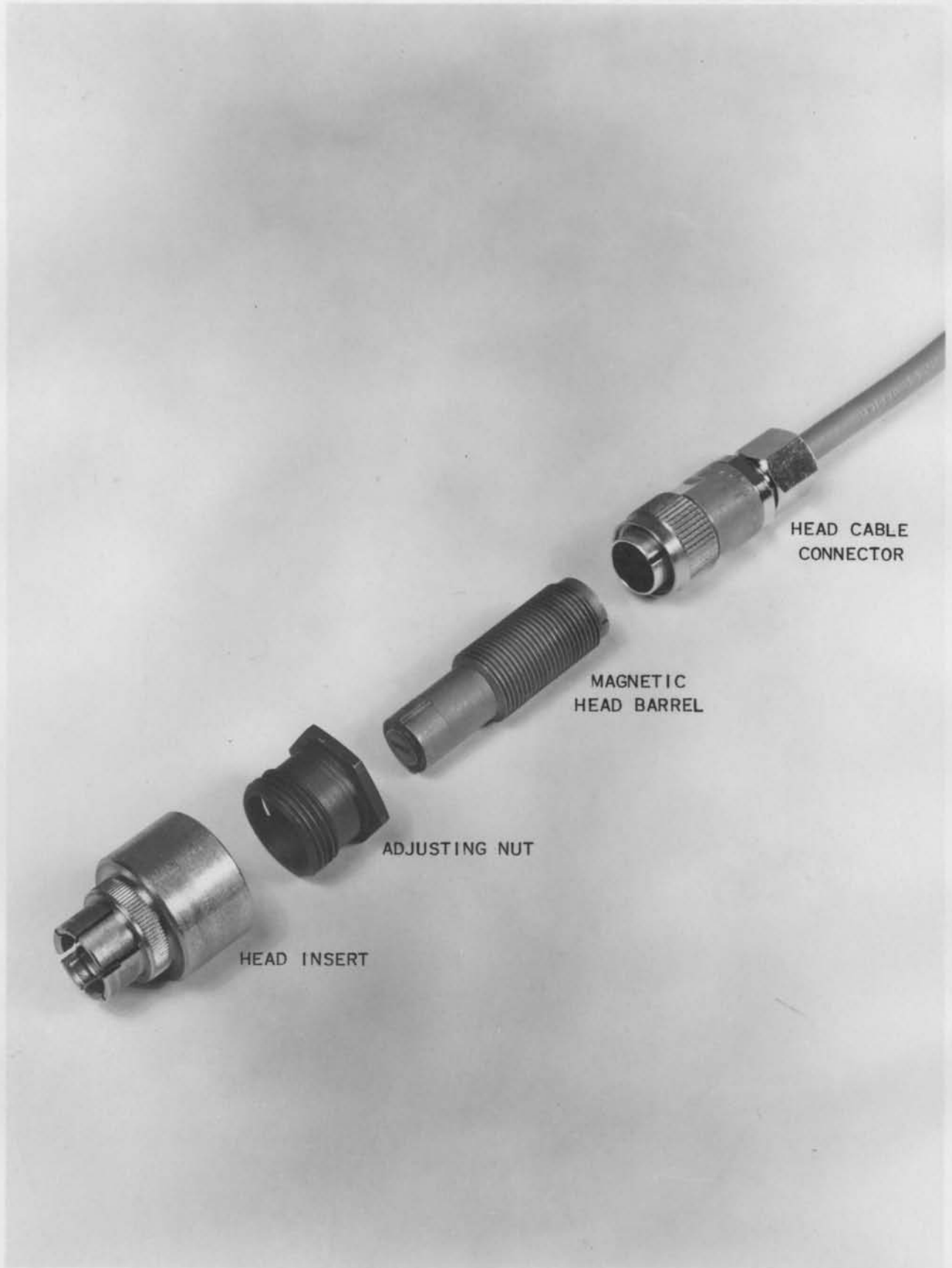


Plate 5-20. Magnetic Head Assembly Detail

0 8720

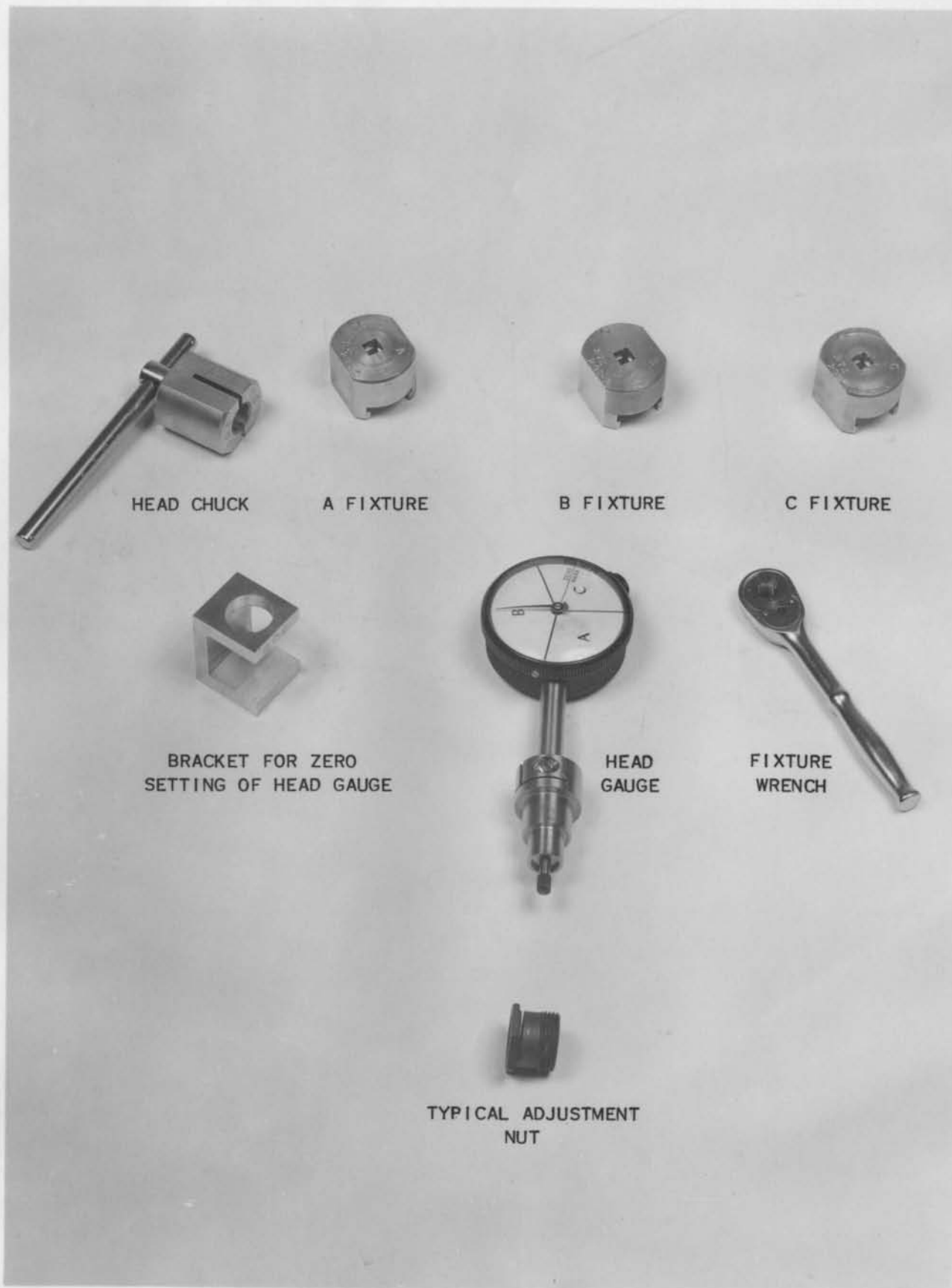
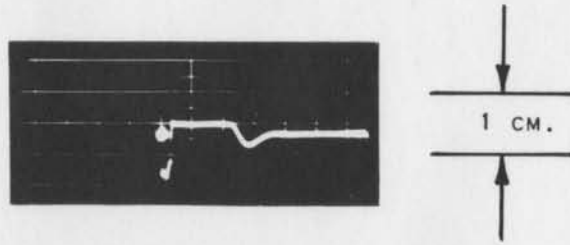


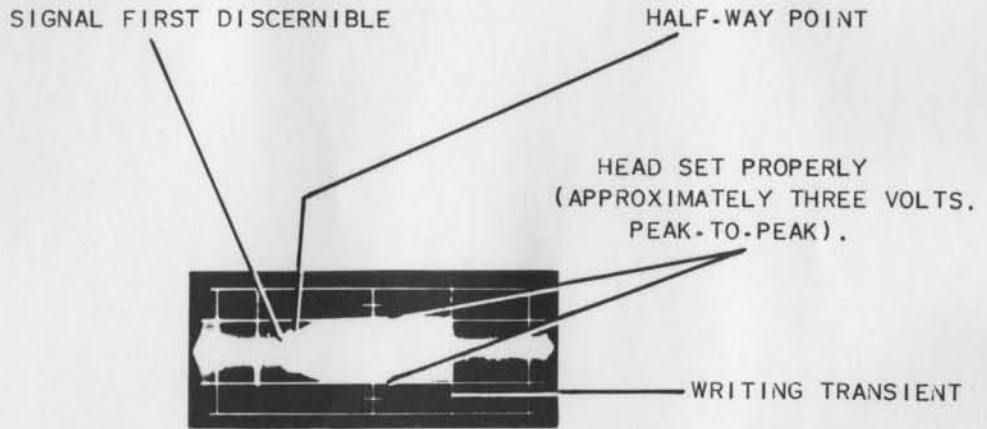
Plate 5-21. ERA Special Head-Setting Tools

OA 7986



a. Writing Transient.

Scope Settings: Sweep - 10 μ sec/cm.
 Amplitude - 10 v/cm.



b. Head Setting Signal Envelope.

Scope Settings: Sweep - 1000 μ sec/cm.
 Amplitude - 1.5 v/cm.

Plate 5-22. Head Setting Oscillograms

8383

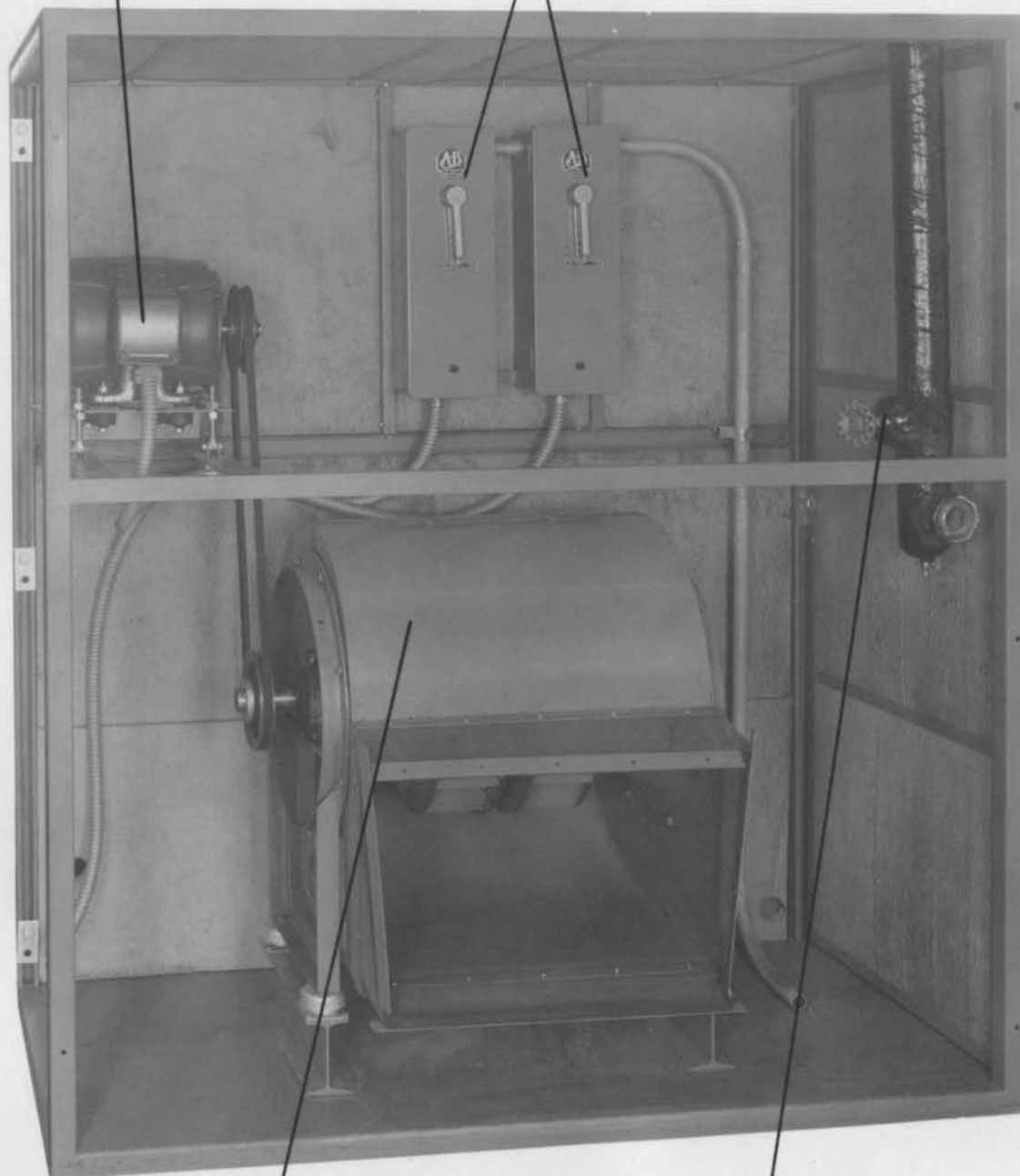


Plate 5-23. Magnetic Drum Erase Equipment (28500 Unit)

0 8719

BLOWER DRIVE MOTOR

BLOWER CONTROL SWITCHES

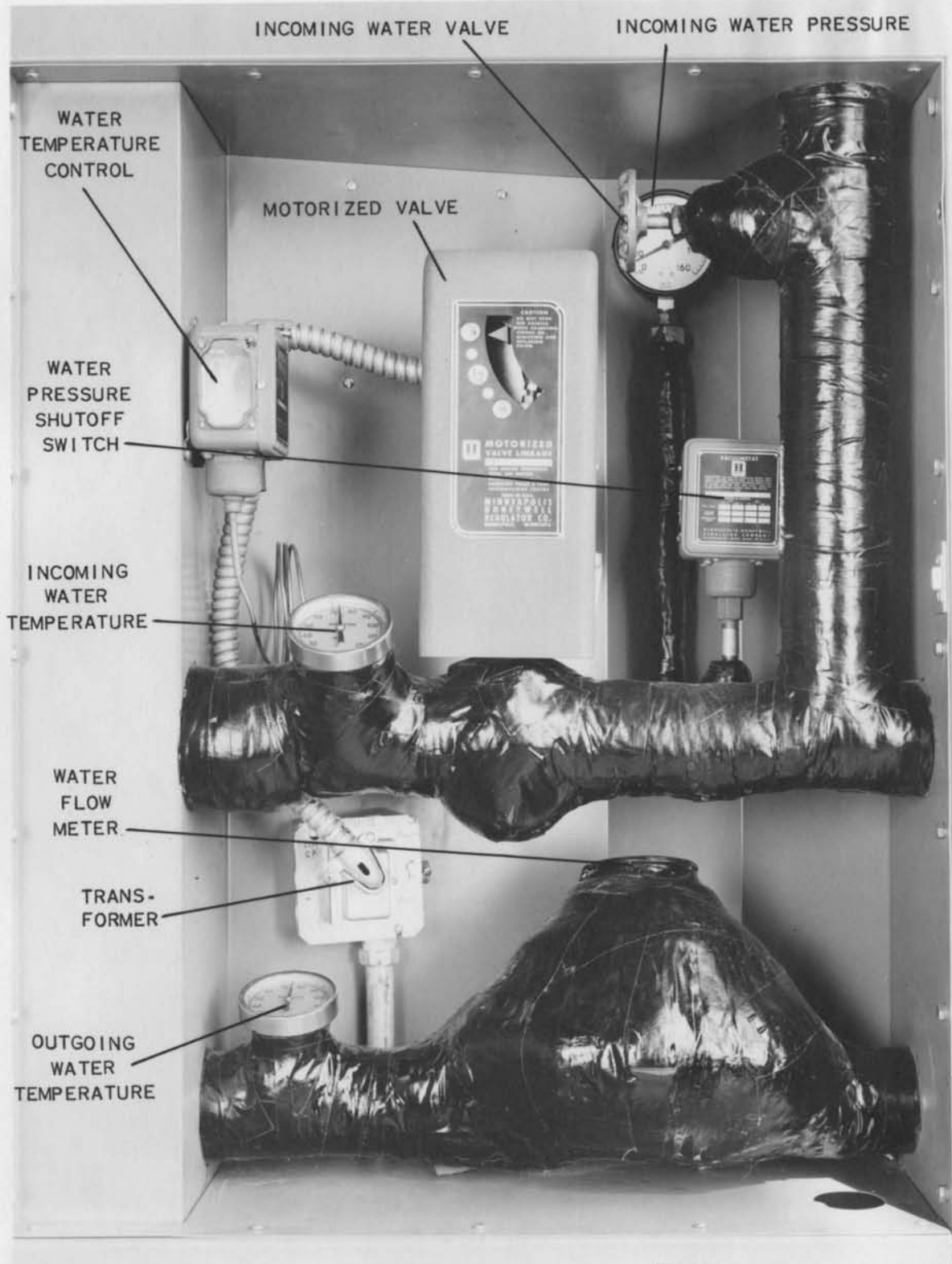


BLOWER

OUTPUT WATER VALVE

Plate 5-24. Cooling System Blower

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0 8959

Plate 5-25. Cooling System Controls

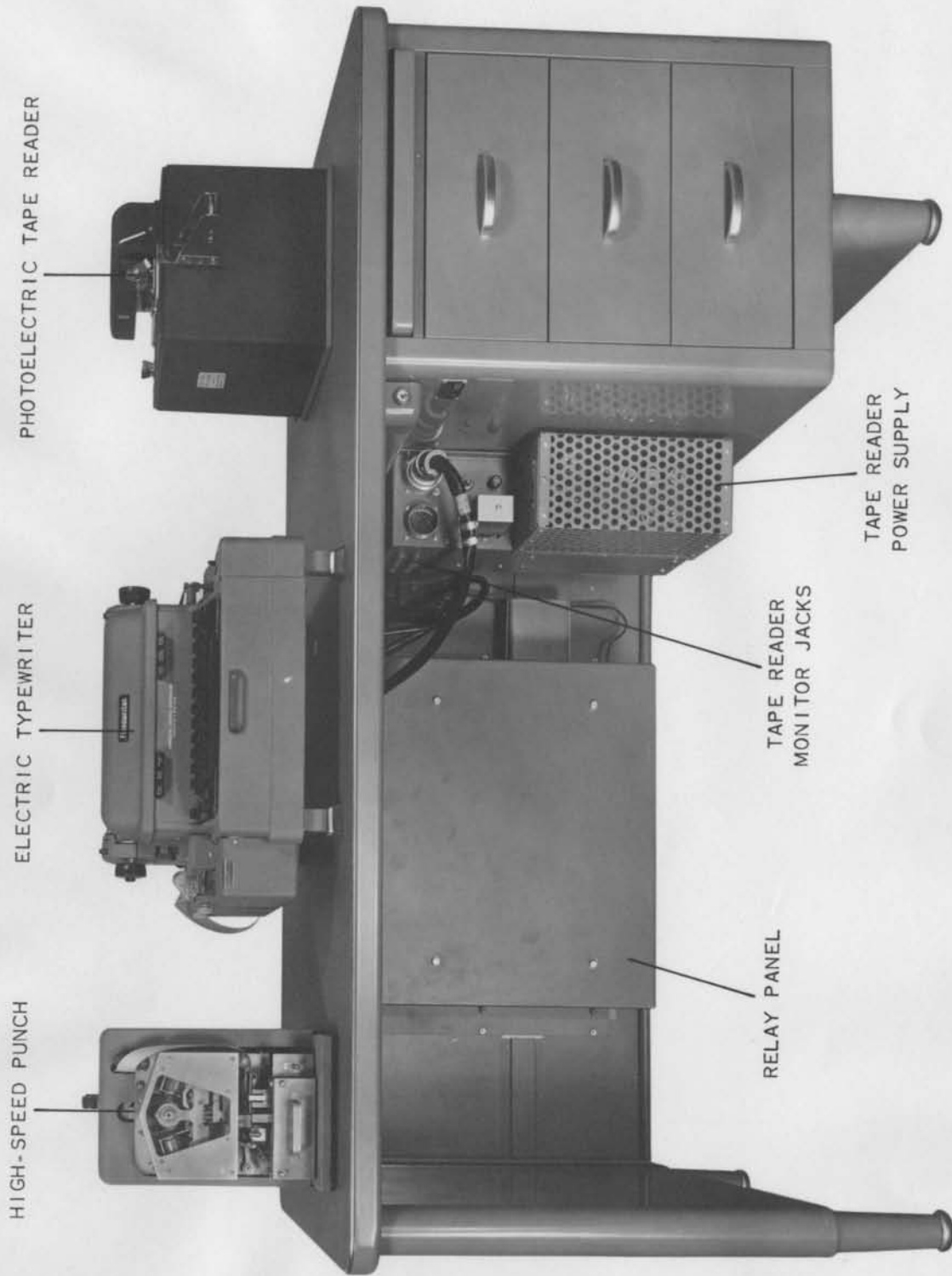
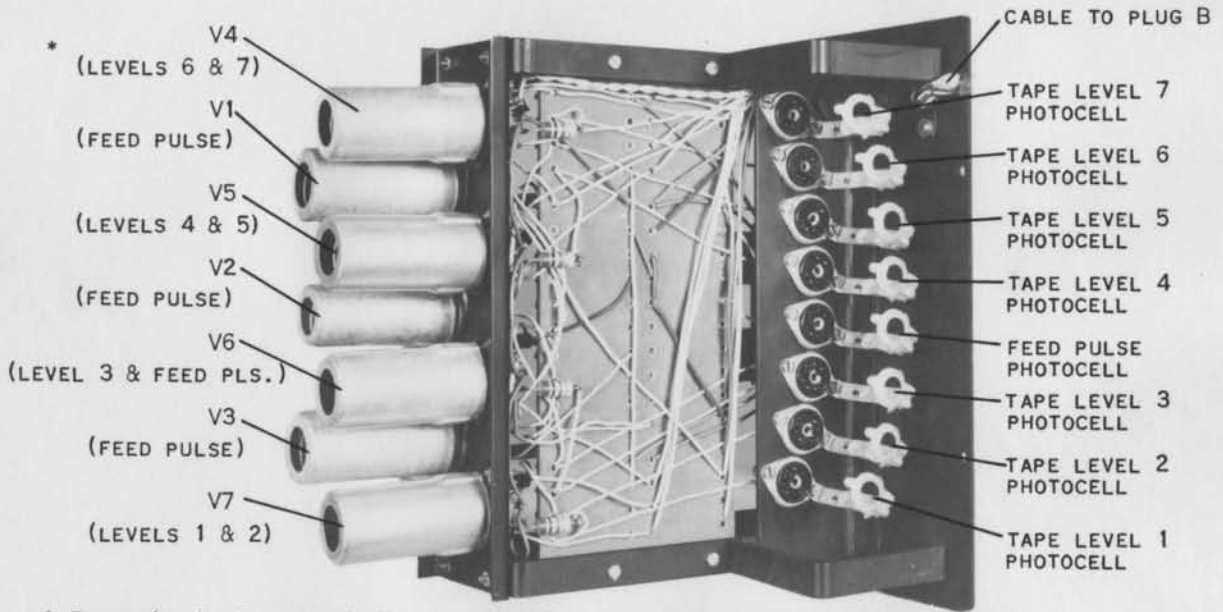
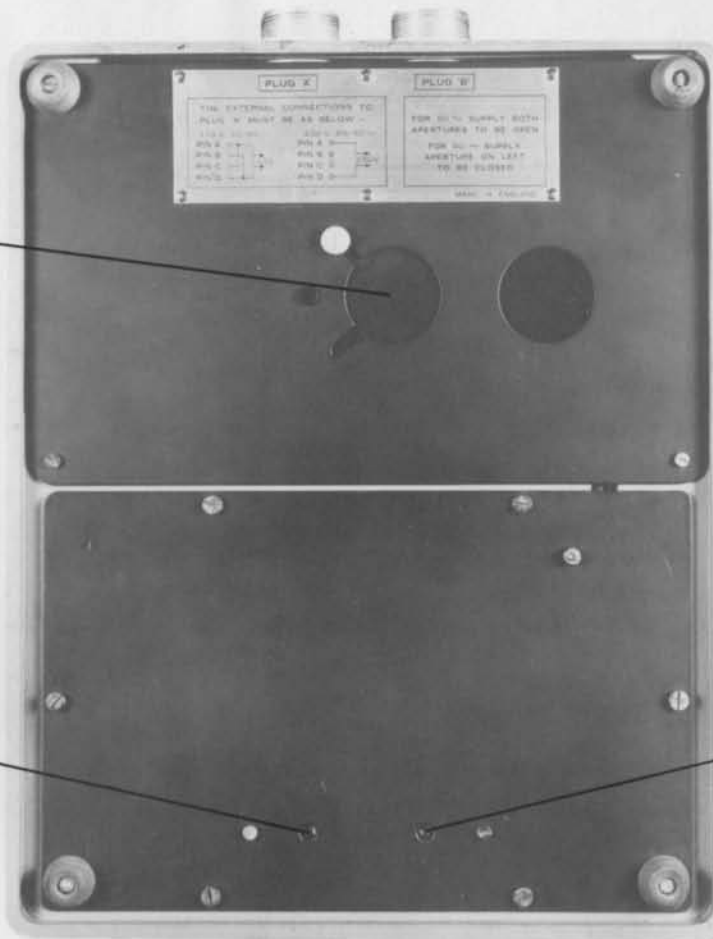


Plate 5-26. Operator's Desk

THIS APERTURE MUST BE CLOSED WHEN OPERATING ON 60 C/S

FEED PULSE PHOTOCELL BIAS ADJUSTMENT (RV38)

TAPE LEVELS 1 THRU 7 PHOTOCELLS BIAS ADJUSTMENT (RV37)



* Parenthetical notes indicate only the circuit associated with each tube

Plate 5-27. Ferranti High Speed Tape Reader Adjustments

08961-8962

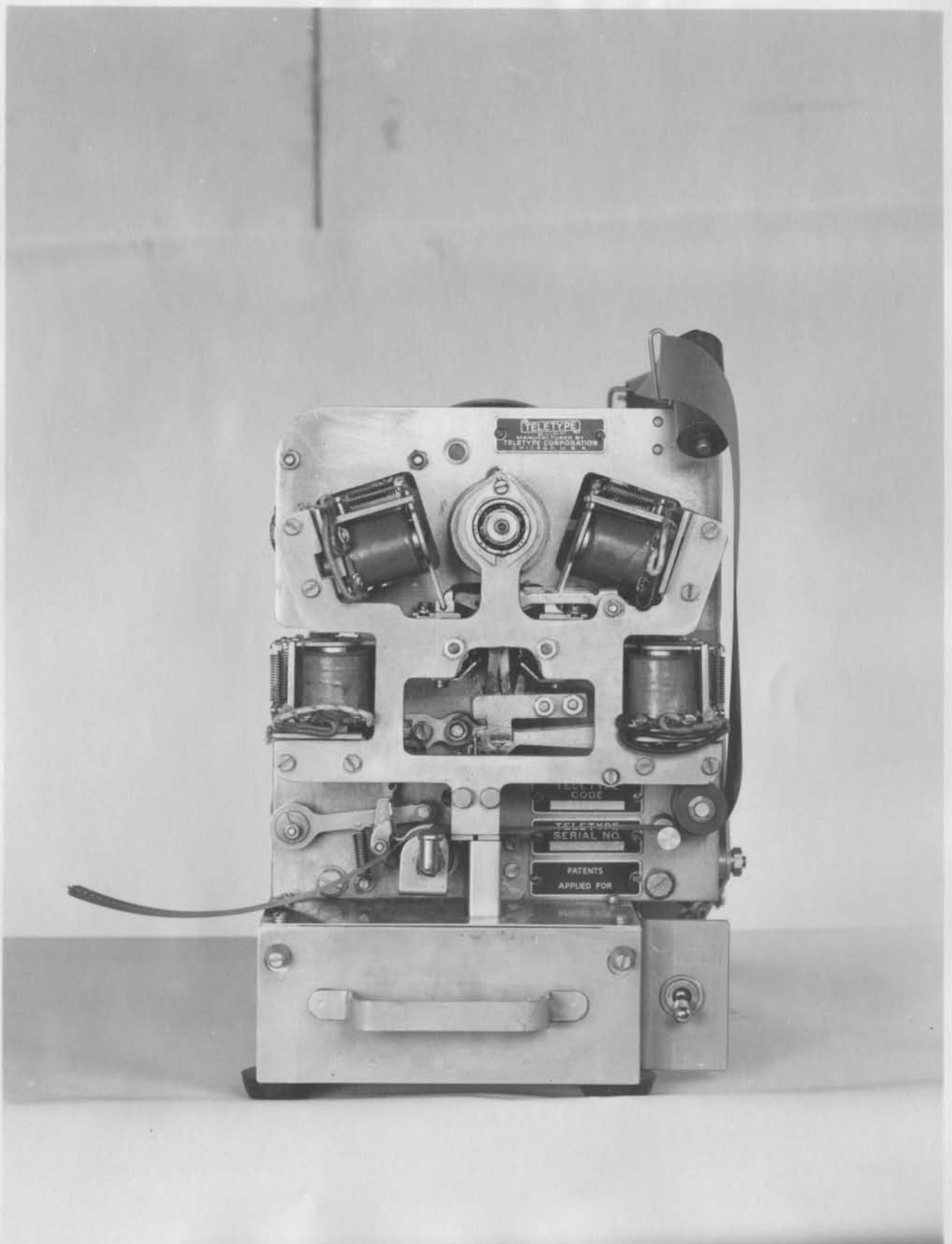


Plate 5-28. High-Speed Tape Punch with Cover Removed, Front View

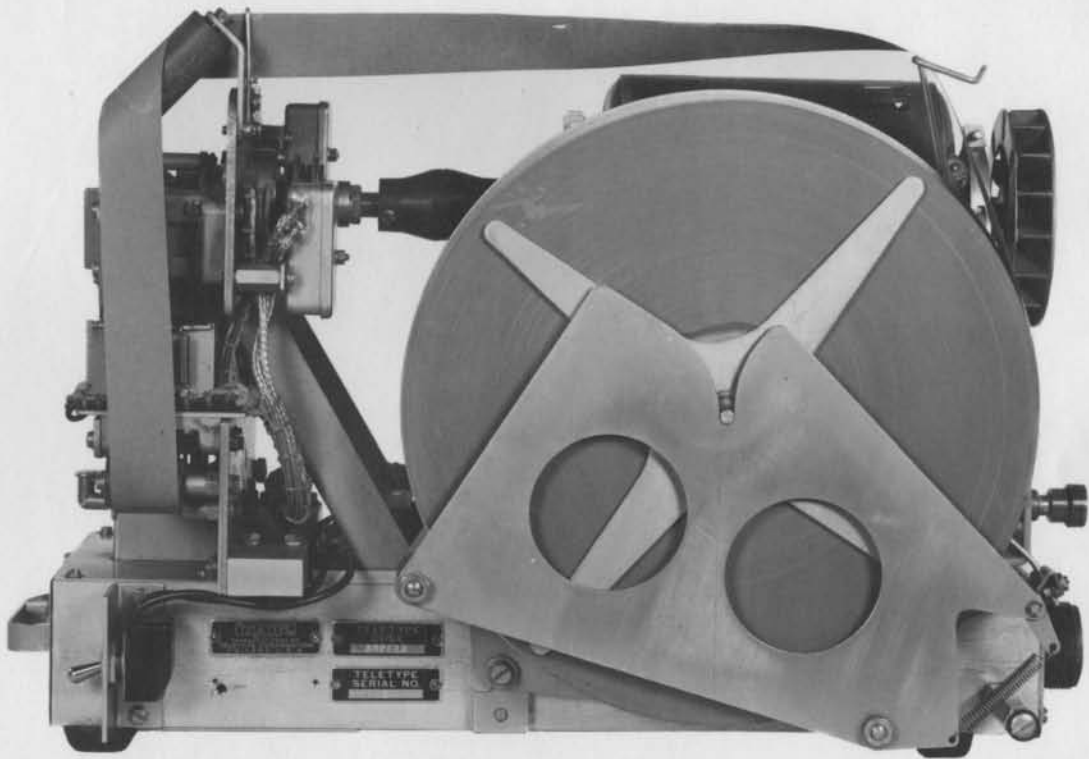
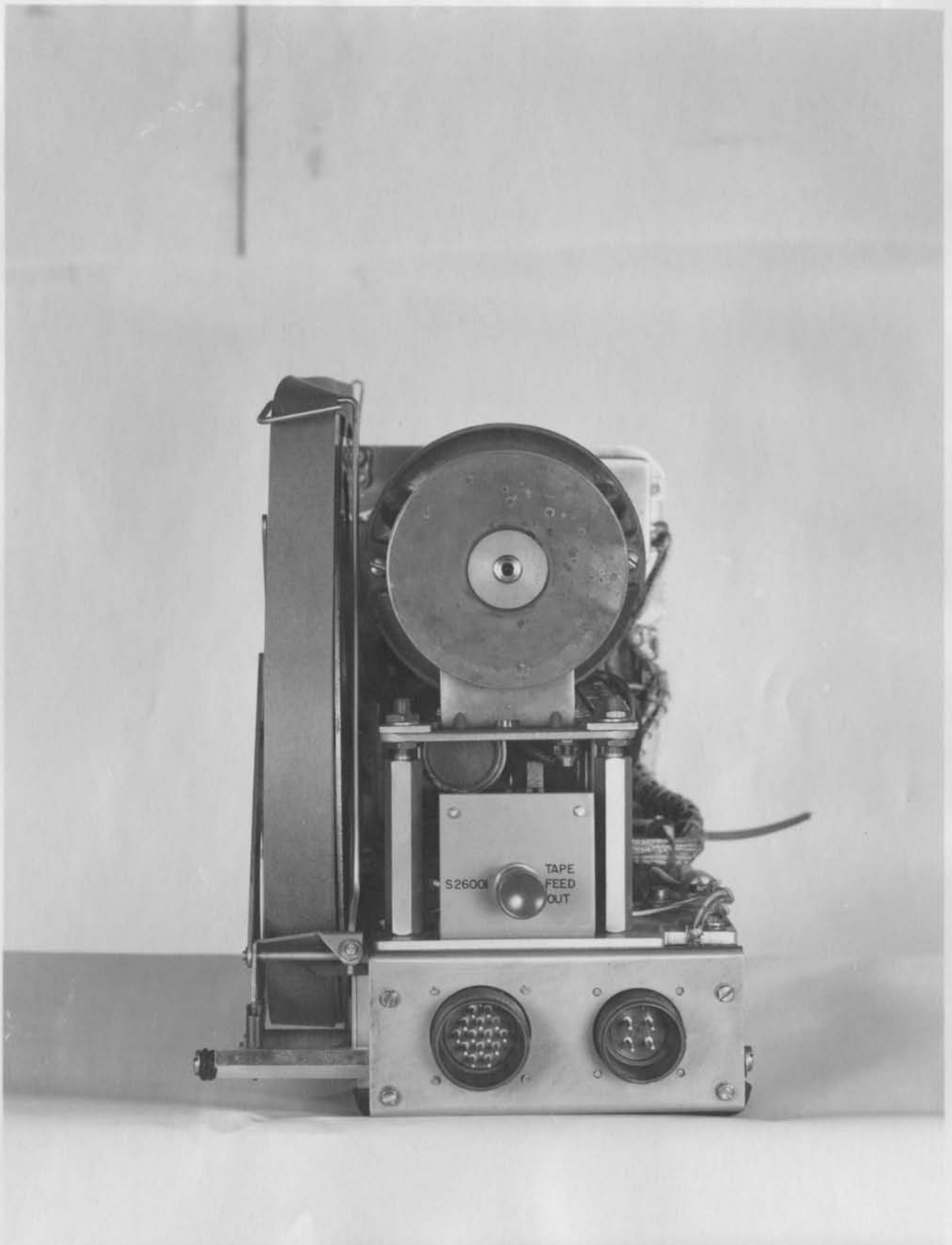


Plate 5-29. High-Speed Tape Punch with Cover
Removed, Side View

0 7218



0 7219

Plate 5-30. High-Speed Tape Punch with Cover Removed, Rear View



0 8321

Plate 5-31. Output Typewriter