

OLIVETTI TRANSMITTER DISTRIBUTOR

A production model of an Olivetti Transmitter
Distributor.

YEARS PRODUCED & QUANTITY:

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

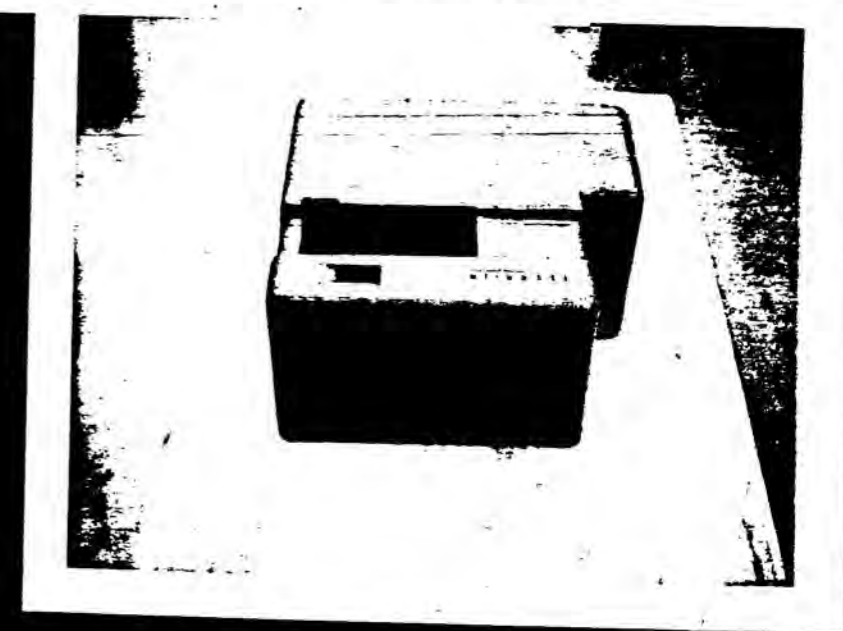
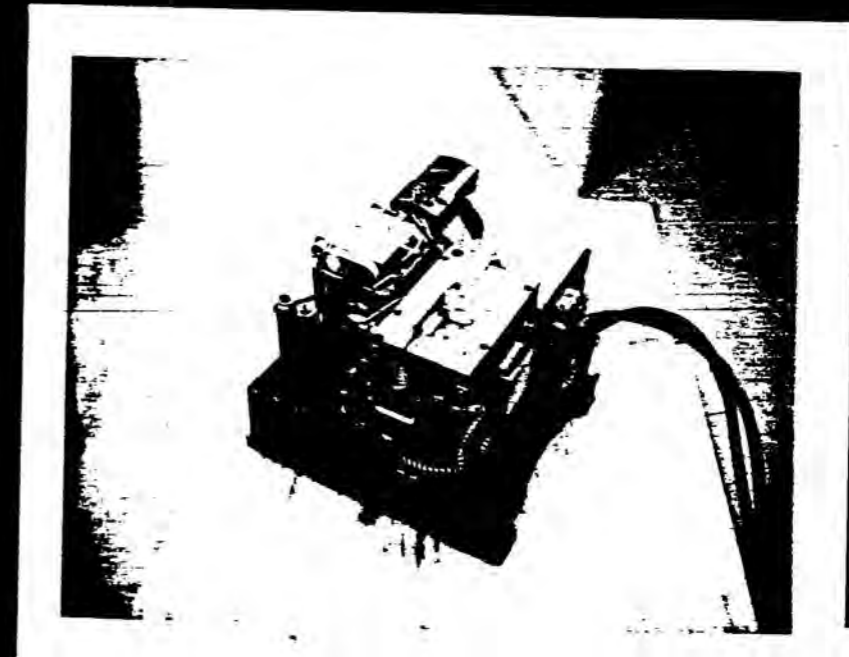
MUSEUM EQUIPMENT CODE: 3D-1

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): Polaroid TU139, TU140; 530611-74

PATENT(S):

LIBRARY REFERENCE(S):



OLIVETTI TRANSMITTER DISTRIBUTOR

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Distributor.

YEARS PRODUCED & QUANTITY:

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

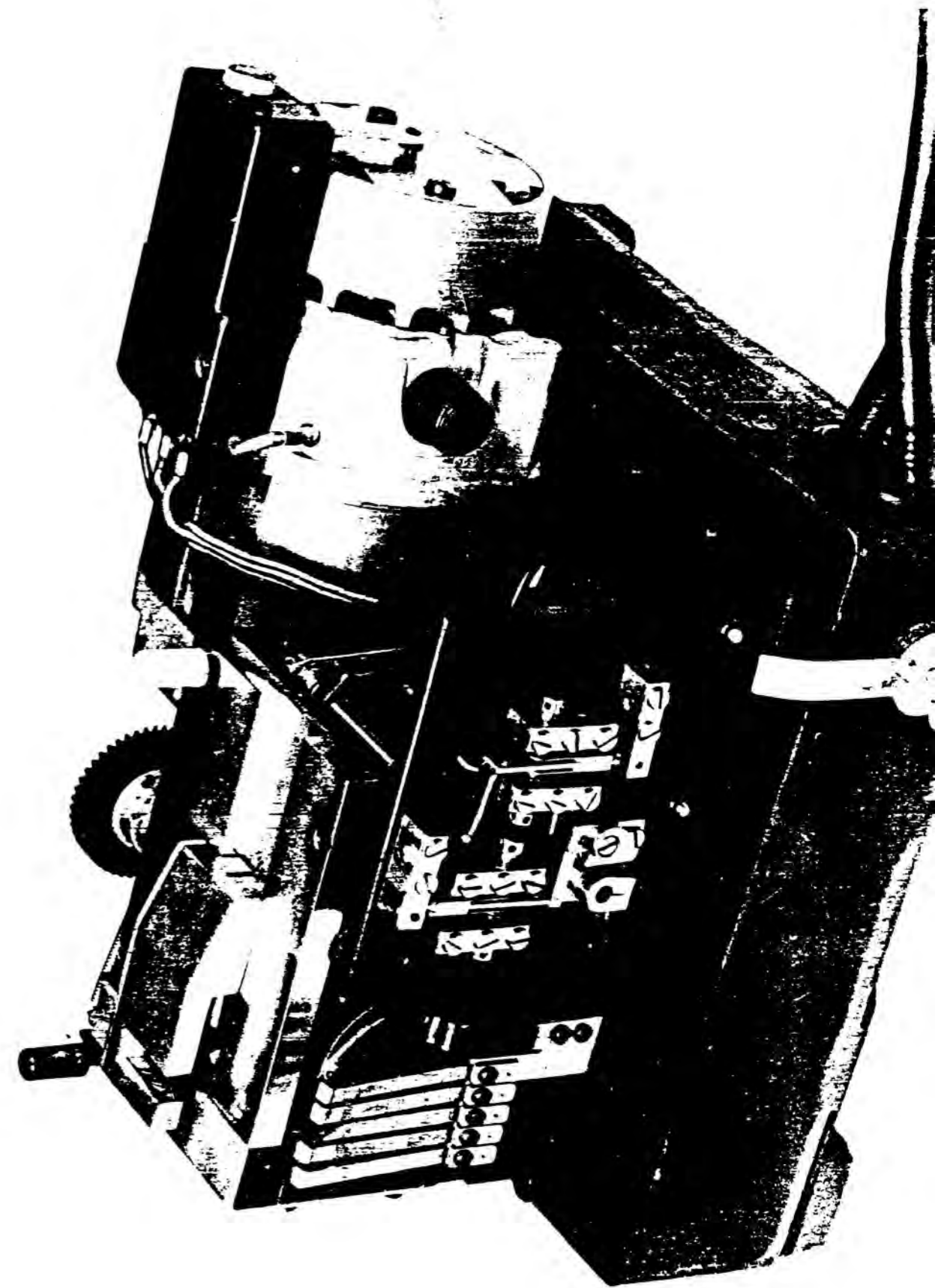
MUSEUM EQUIPMENT CODE: 3D-2

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 650622-1,2

PATENT(S):

LIBRARY REFERENCE(S):



1A PERFORATOR

Perforated 5-level tape for transmission on multiplex circuits. Unit also had end-of-line indication for sending to a page printer. (Magnet driven punch mechanism is missing from unit).

Keyboard arrangement includes thru and city keys, indicating that system was designed for direct print-out or for relaying of message at distant terminal. Has wide space bar.

YEARS PRODUCED & QUANTITY: C. 1918

PRIMARY CUSTOMER(S): W.E., W.U.

CLASSIFICATION CODE:

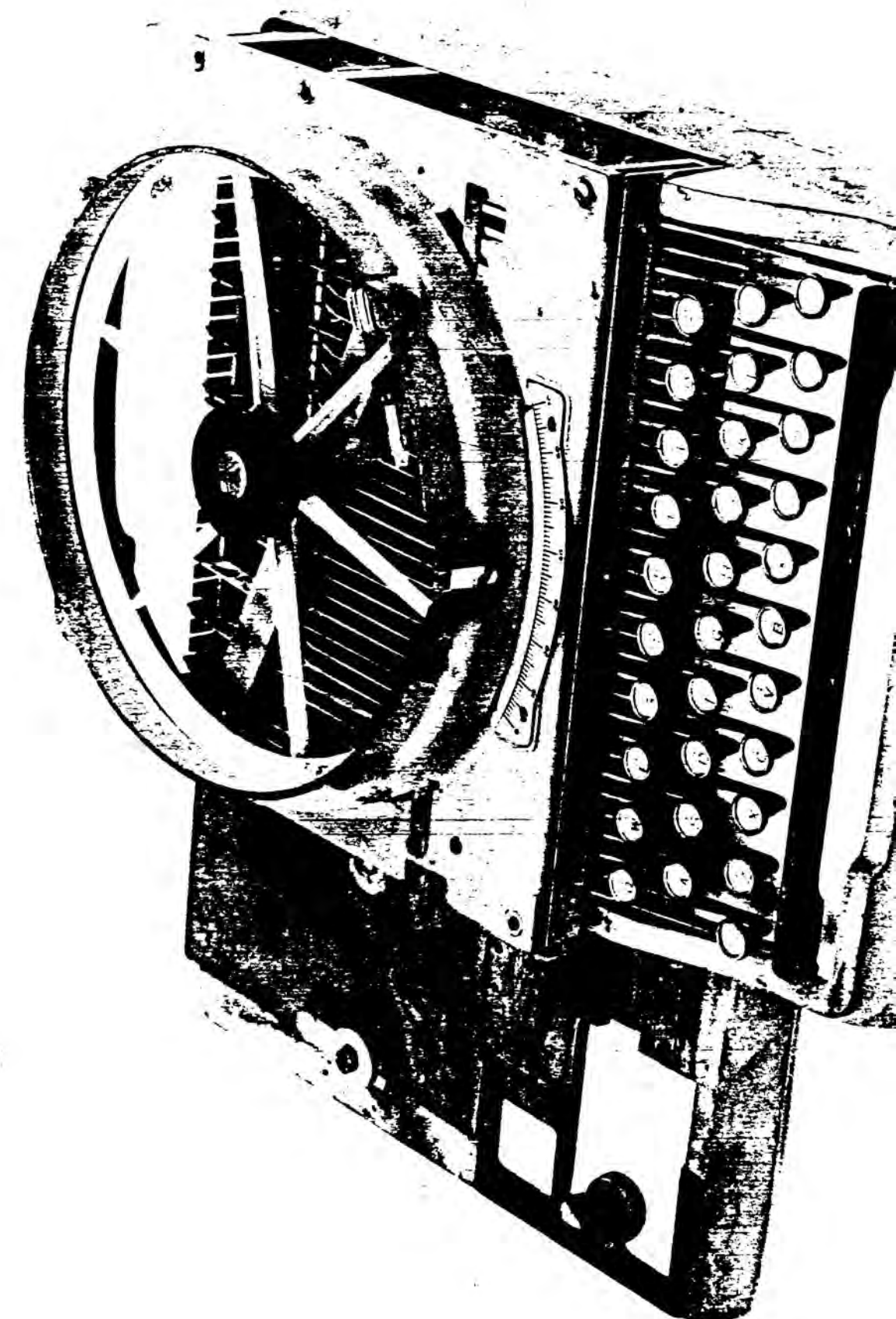
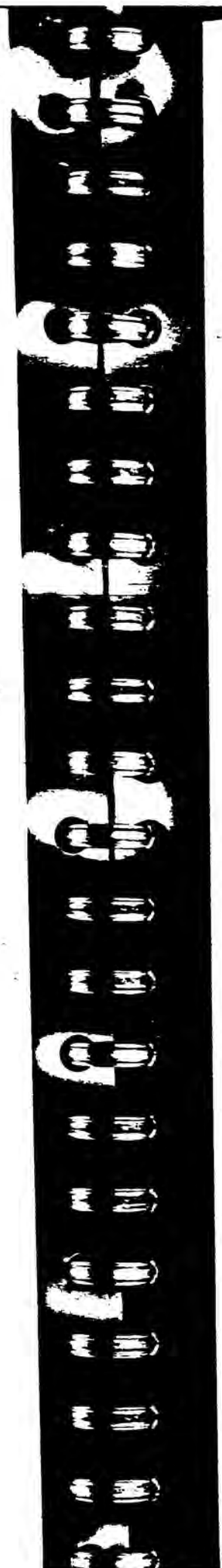
MUSEUM EQUIPMENT CODE: 4B-1

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 301010-5 650329-88

PATENT(S):

LIBRARY REFERENCE(S):



LA PERFORATOR (6-LEVEL)

A 4 row keyboard made for Western Union. Perforated six-level tape for transmission on product ticker circuit. Magnet drive through rotation shaft compiled to punch mechanism. A five level version, with same mechanism, but with a 3 row keyboard and manpower frame was extensively used on multiplex circuits.

YEARS PRODUCED & QUANTITY: 1928

PRIMARY CUSTOMER(S): Western Union

CLASSIFICATION CODE:

MUSEUM EQUIPMENT CODE: LB-2

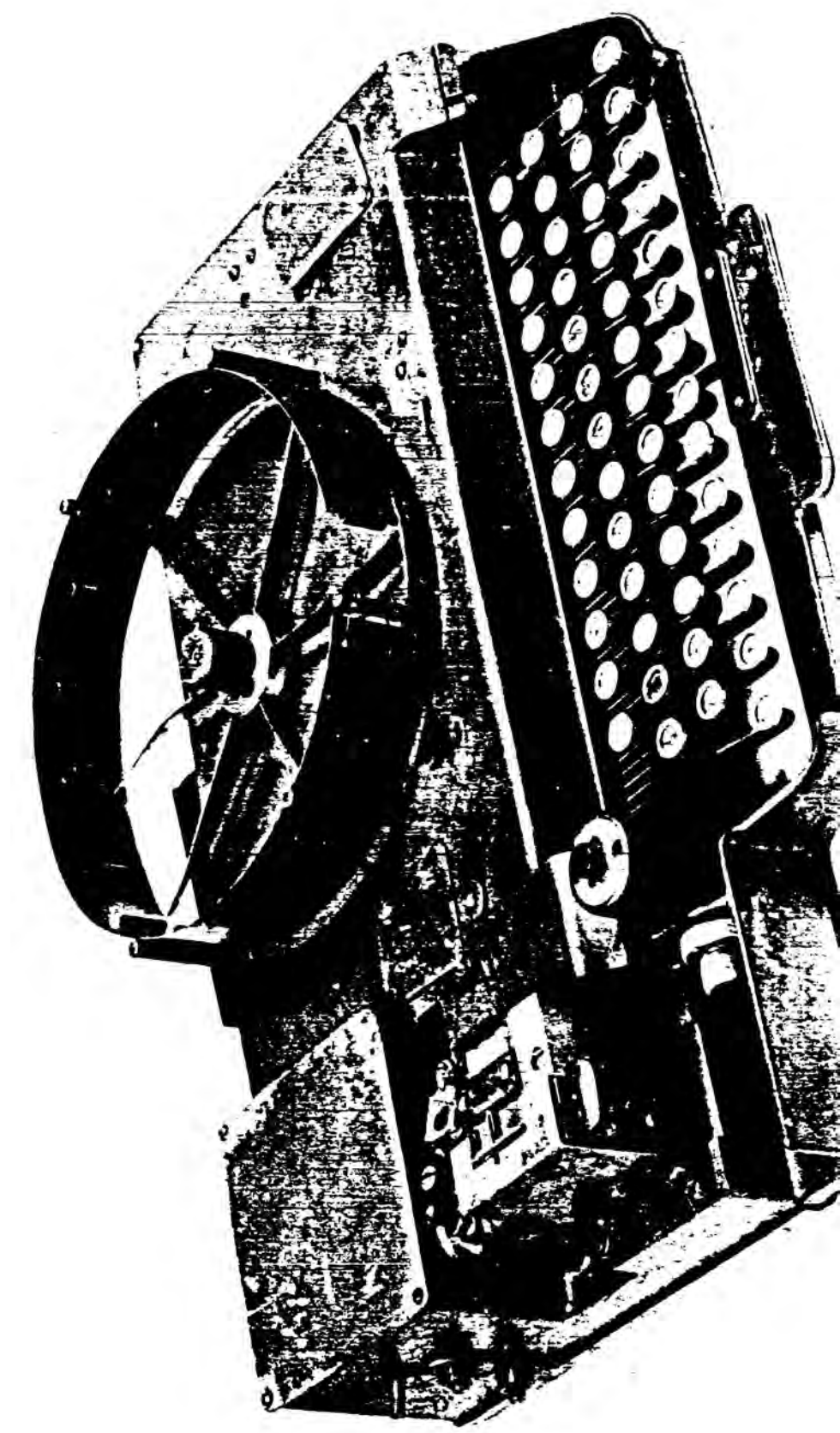
TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 631219-11

PATENT(S):

LIBRARY REFERENCE(S):

A



MORCRUM TAPE PERFORATOR (GPE)

Coded keylevers activate U shaped transfer bars. Contacts associated with transfer bars activate solenoid to select punch levers.

YEARS PRODUCED & QUANTITY: 1928

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

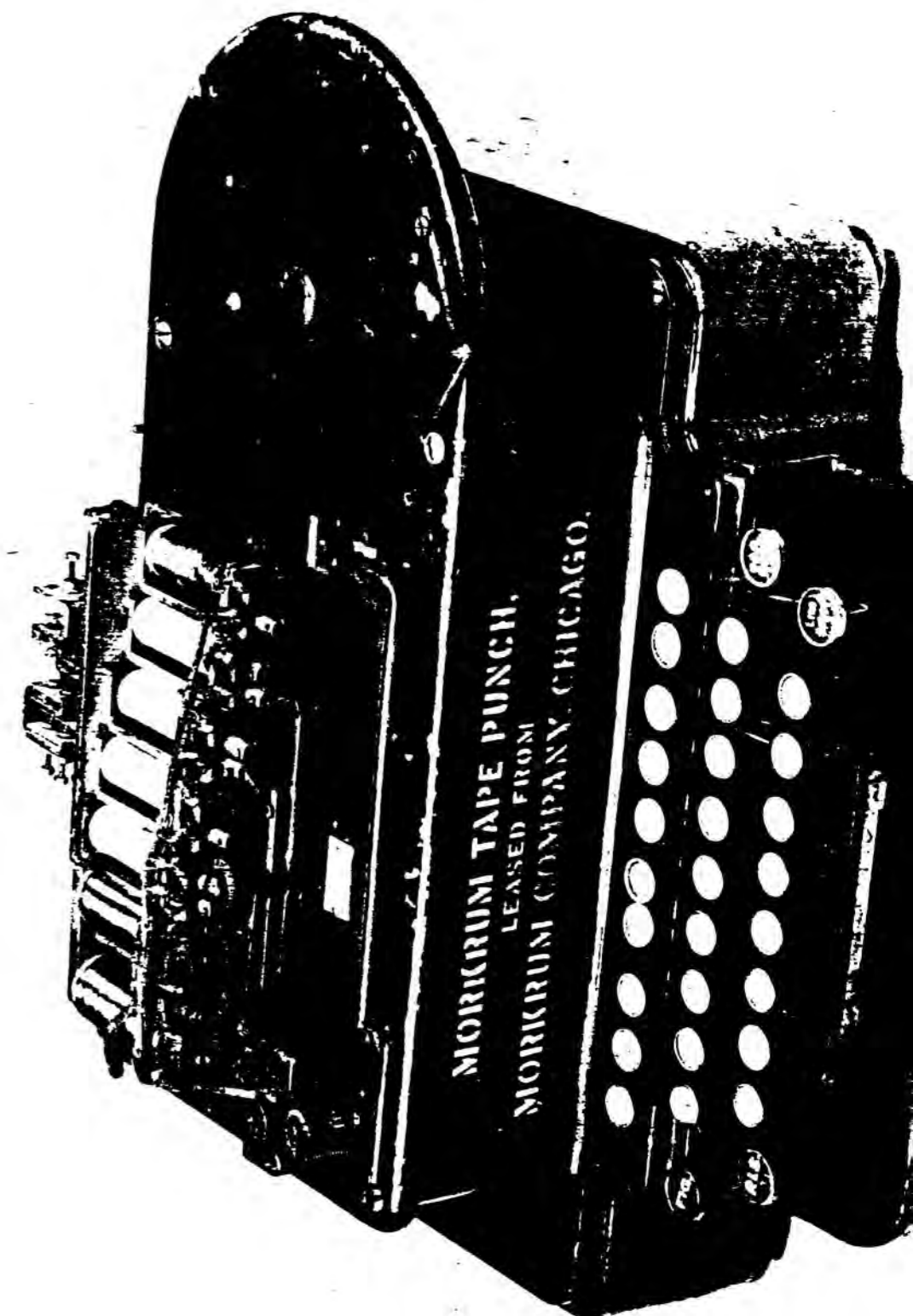
MUSEUM EQUIPMENT CODE: 4B-3

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 631219-5 281206-14

PATENT(S):

LIBRARY REFERENCE(S):



TAPE PERFORATOR

A 5 level tape perforator made for Western Union for multiplex transmission. Direct magnet drive with Western Union keyboard arrangement. Has mechanism on top with long scale for indication. This appears to be an experimental modification.

YEARS PRODUCED & QUANTITY: 1930

PRIMARY CUSTOMER(S): Western Union

CLASSIFICATION CODE:

MUSEUM EQUIPMENT CODE: 4B-4

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 300729-6 631219-13

PATENT(S):

LIBRARY REFERENCE(S):



1A PERFORATOR

A six level tape perforator made for Western Union for transmission of product ticker circuit. Featured a 4 row keyboard and magnet drive through shaft coupled to punch mechanism. A five level version, with same mechanism, but with a 3 row keyboard and narrower frame was extensively used on multiplex circuits.

YEARS PRODUCED & QUANTITY: 1928

PRIMARY CUSTOMER(S): Western Union

CLASSIFICATION CODE:

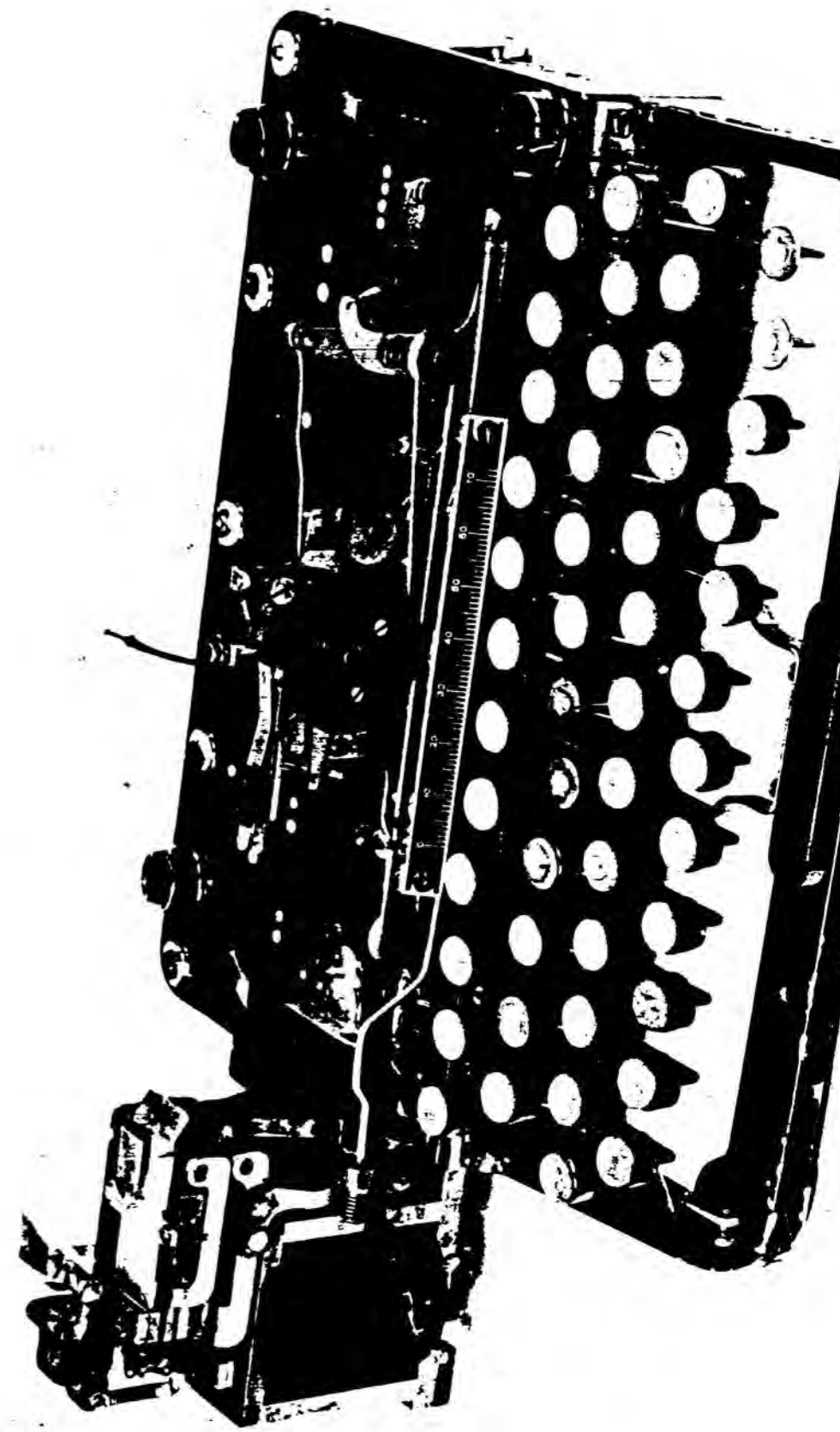
MUSEUM EQUIPMENT CODE: 4B-5

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 650329-96 280501-47

PATENT(S):

LIBRARY REFERENCE(S):



Donated to Milwaukee Public Museum

WHEATSTONE PERFORATOR

Mechanism for perforating tape required a variable spacing feature. Punch selection is accomplished through parallelogram system responding to notched key levers. Perforates holes in 1/2 inch tape. Code punched in tape corresponds to (but does not resemble) Morse, Continental, or Cable Codes.

YEARS PRODUCED & QUANTITY:

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

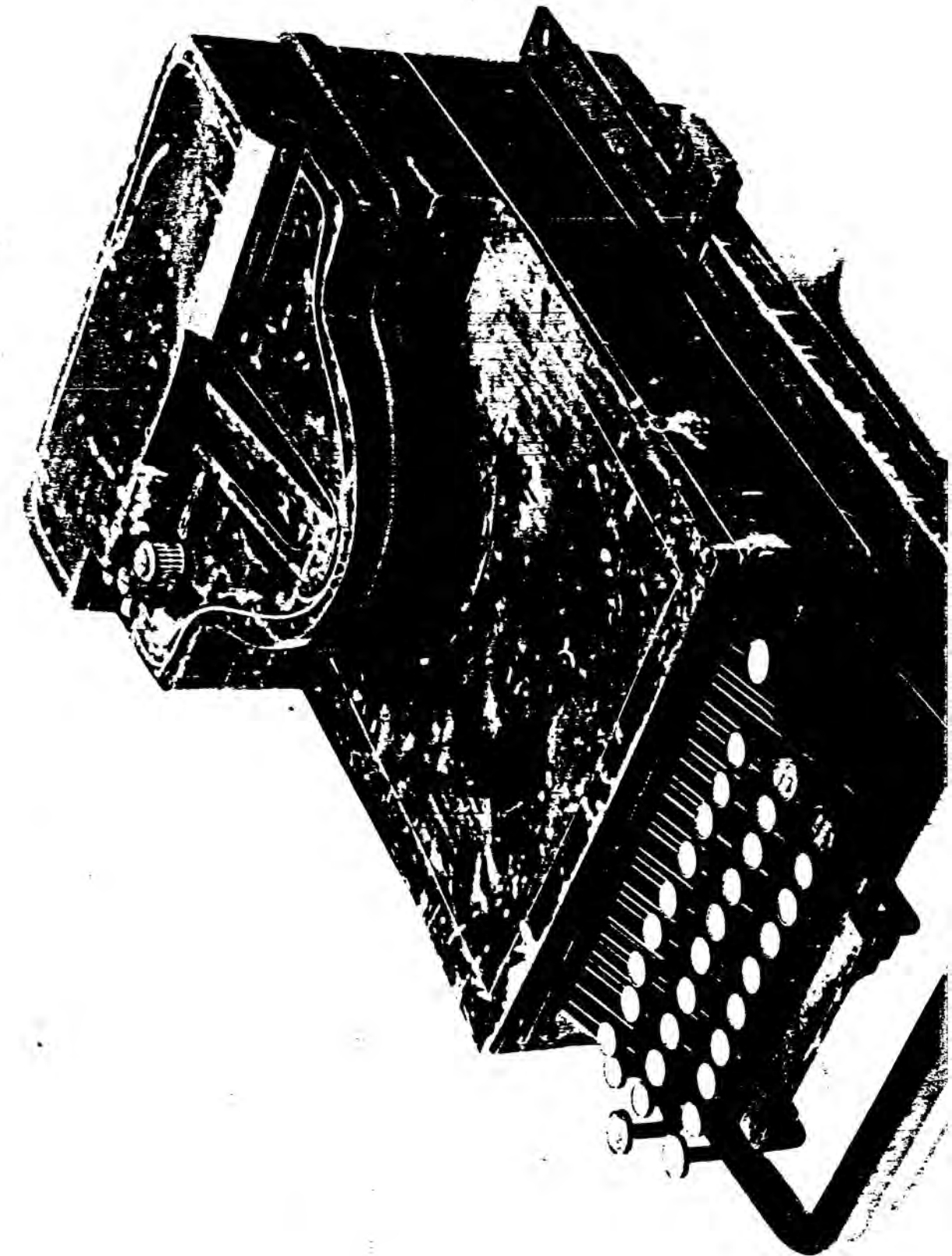
MUSEUM EQUIPMENT CODE: LB-6

TECHNICAL BULLETINS & SPECS: Engr. Kleinschmidt

PHOTO NO(S): 640115-5 290122-1

PATENT(S):

LIBRARY REFERENCE(S):



MORCRUM-KLEINSCHMIDT PERFORATOR

A 5-level tape perforator made for Western Union for multiplex transmission. Featured direct magnet drive with Western Union keyboard arrangement. Had pawl and ratchet end-of-line mechanism with lamp for sending to page printers.

YEARS PRODUCED & QUANTITY: 1928 Prototype

PRIMARY CUSTOMER(S): Western Union

CLASSIFICATION CODE:

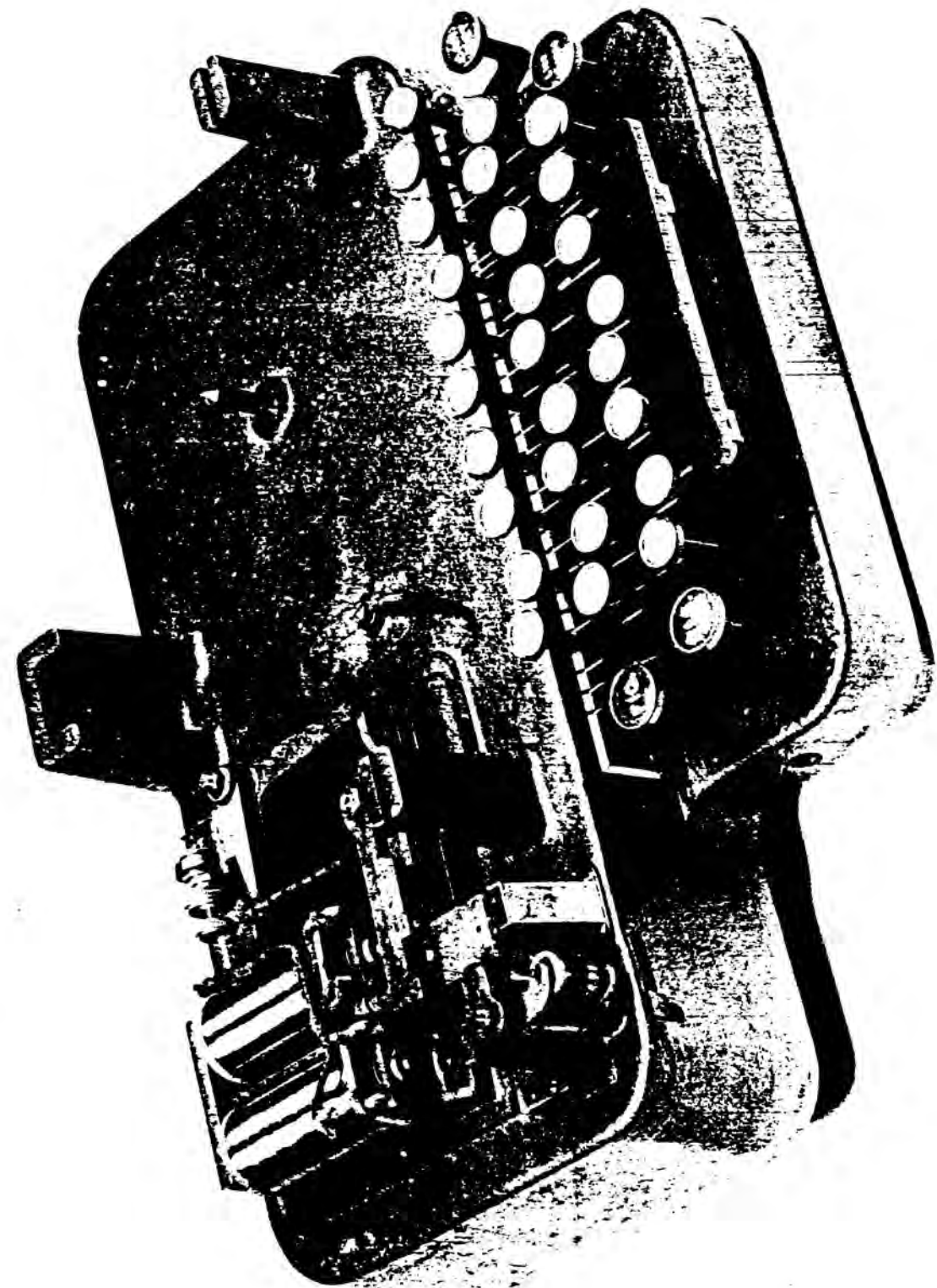
PHOTO NO(S): 281206-18 631219-12

MUSEUM EQUIPMENT CODE: LE-9

TECHNICAL BULLETINS & SPECS:

PATENT(S):

LIBRARY REFERENCE(S):



KLEINSCHMIDT PERFORATOR "TELEPOST"

This unit was used to perforate automatic Morse Code in tape.

Three keys are used - one for dots, one for spaces and one for dashes. Tape is advanced with a pawl and one for dashes. Tape is advanced with a pawl and ratchet. A large electromagnet actuated the punch.

Later the Wheatstone perforator replaced this unit. It was a great improvement, since perforations were automatically punched from keyboard control.

YEARS PRODUCED & QUANTITY: 1920

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

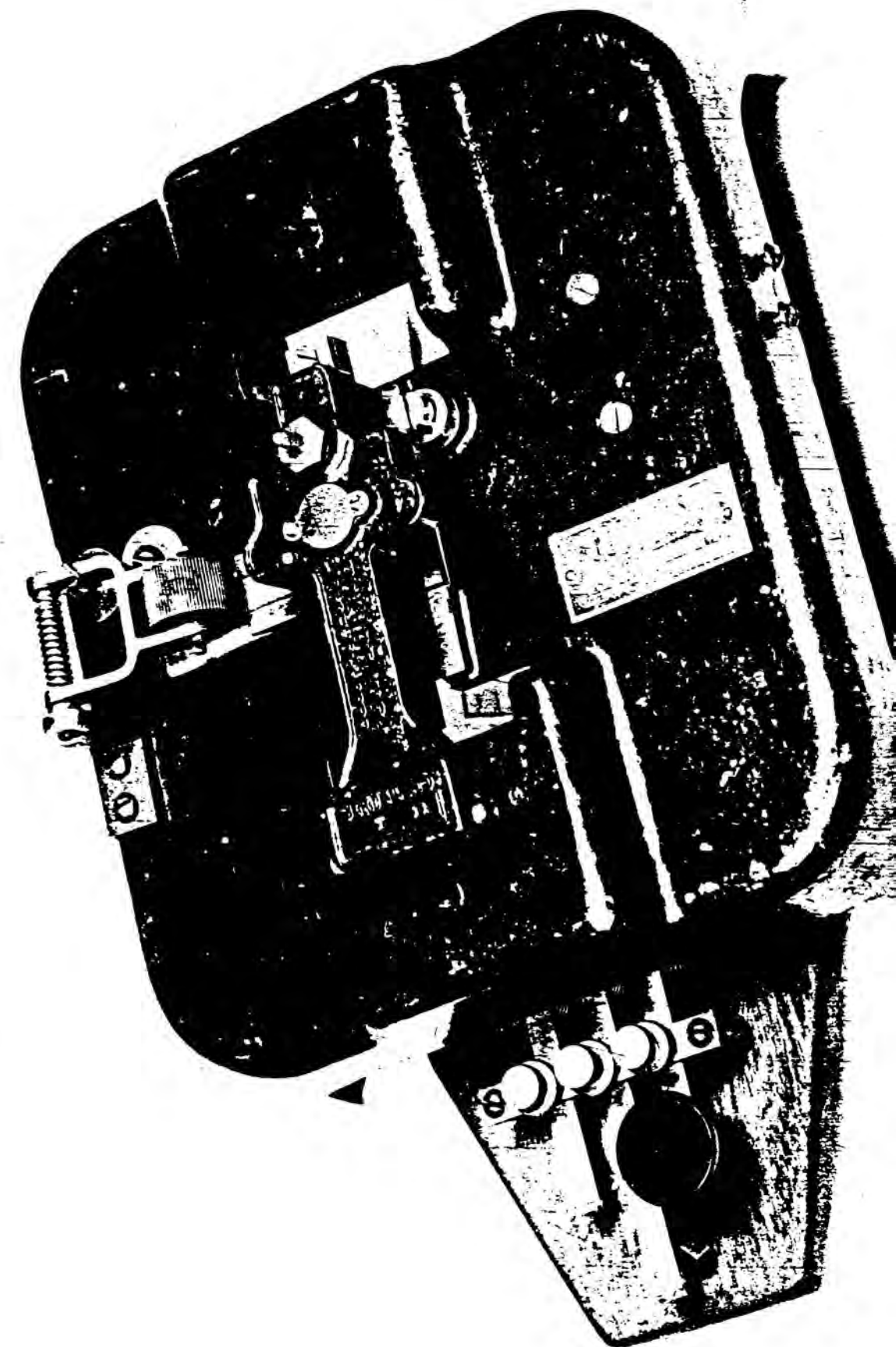
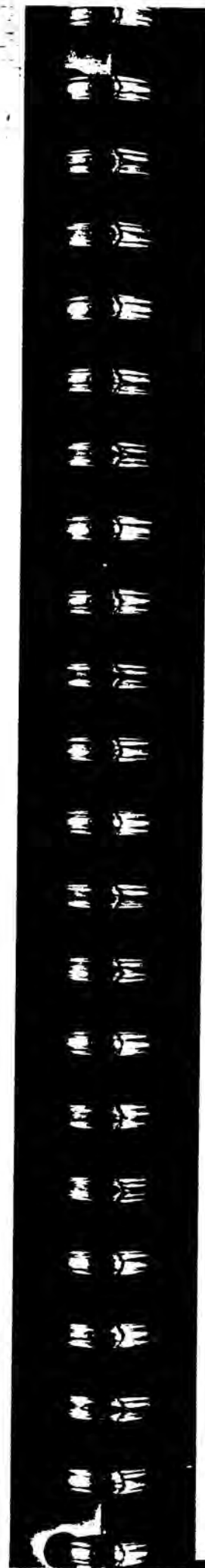
MUSEUM EQUIPMENT CODE: 4B-11

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 280501-12 631114-37,38

PATENT(S):

LIBRARY REFERENCE(S):



2A MULTIPLEX PERFORATOR

This keyboard perforator is a device controlled by a typewriter keyboard for perforating holes in a paper tape to form the characters represented in the Multiplex alphabet the message to be transmitted. Its essential parts include:

- a) Punch block
- b) Magnetically operated punch hammer
- c) System of five selecting levers
- d) Typewriter keyboard
- e) Device for feeding the punched tape.

YEARS PRODUCED & QUANTITY: c. 1919

PRIMARY CUSTOMER(S): Western Union Telegraph Company

CLASSIFICATION CODE: 2-A

MUSEUM CODE: 45-12

TECHNICAL BULLETINS & SPECS: "Multiplex Specifications," The Western Union Telegraph Company, 263-C, Section 4-A, 14 pages.

PHOTO NO(S): Polaroid TU134

PATENT(S): No. 1,182,179 C. L. & H. L. Krum, Perforator For Forming Telegraphic Tape, filed 9/08/14, granted 5/09/16.

LIBRARY REFERENCE(S): See Western Union Specs.



2A MULTIPLEX PERFORATOR

This keyboard perforator is a device controlled by a typewriter keyboard for perforating holes in a paper tape to form the characters represented in the Multiplex alphabet the message to be transmitted. Its essential parts include:

- a) Punch block
- b) Magnetically operated punch hammer
- c) System of five selecting levers
- d) Typewriter keyboard
- e) Device for feeding the punched tape

YEARS PRODUCED & QUANTITY: C. 1919

PRIMARY CUSTOMER(S): Western Union Telegraph Company

CLASSIFICATION CODE: 7-A

MUSEUM EQUIPMENT CODE: 4B-13

TECHNICAL BULLETINS & SPECS: "Multiplex Specifications", The Western Union Telegraph Company, 263C, Section 4-A, 14 pages.

PHOTO NO(S): Polaroid T044

PATENT(S): No. 1, 182, 179 C. L. & H. L. Krum, Perforator For Forming Telegraphic Tape; filed 9/08/14, granted 5/09/15.

LIBRARY REFERENCE(S): See Western Union Specs.



EARLY PERFORATOR

A model of a Monkrum Perforator.

YEARS PRODUCED & QUANTITY: C. 1915 (Early Model)

PRIMARY CUSTOMER(S): Western Union

CLASSIFICATION CODE: Early model of a 2A

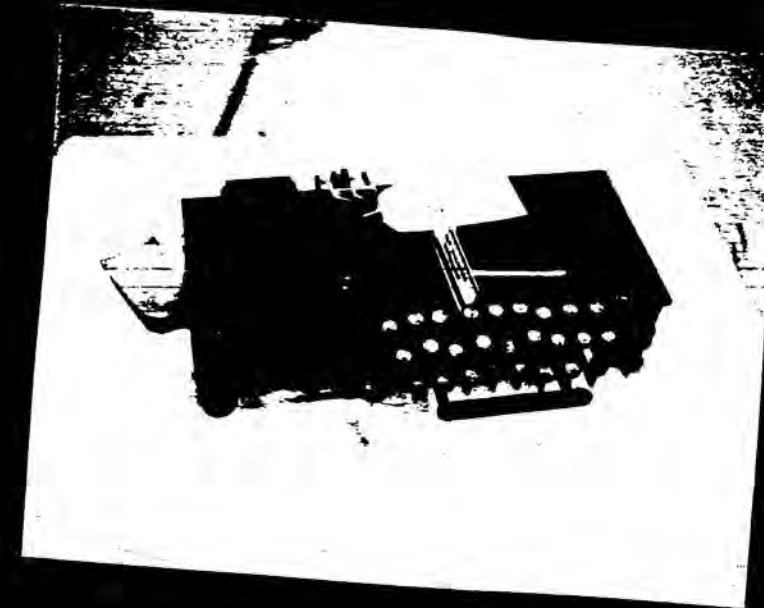
MUSEUM EQUIPMENT CODE: 4B-11

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): Polaroid TU127

PATENT(S):

LIBRARY REFERENCE(S):



PERFORATOR (MORSEUM-KLEINSCHMIDT)

An early five level Morseum-Kleinschmidt perforator.

YEARS PRODUCED & QUANTITY:

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

MUSEUM EQUIPMENT CODE: 4P-15

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): Polaroid T080

PATENT(S):

LIBRARY REFERENCE(S):



WHEATSTONE PERFORATOR

Experimental model of main shaft and motor drive system to replace solenoid drive for Wheatstone Perforator. Objective was to reduce violent action of main ball due to solenoid drive.

YEARS PRODUCED & QUANTITY: 1943-44

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

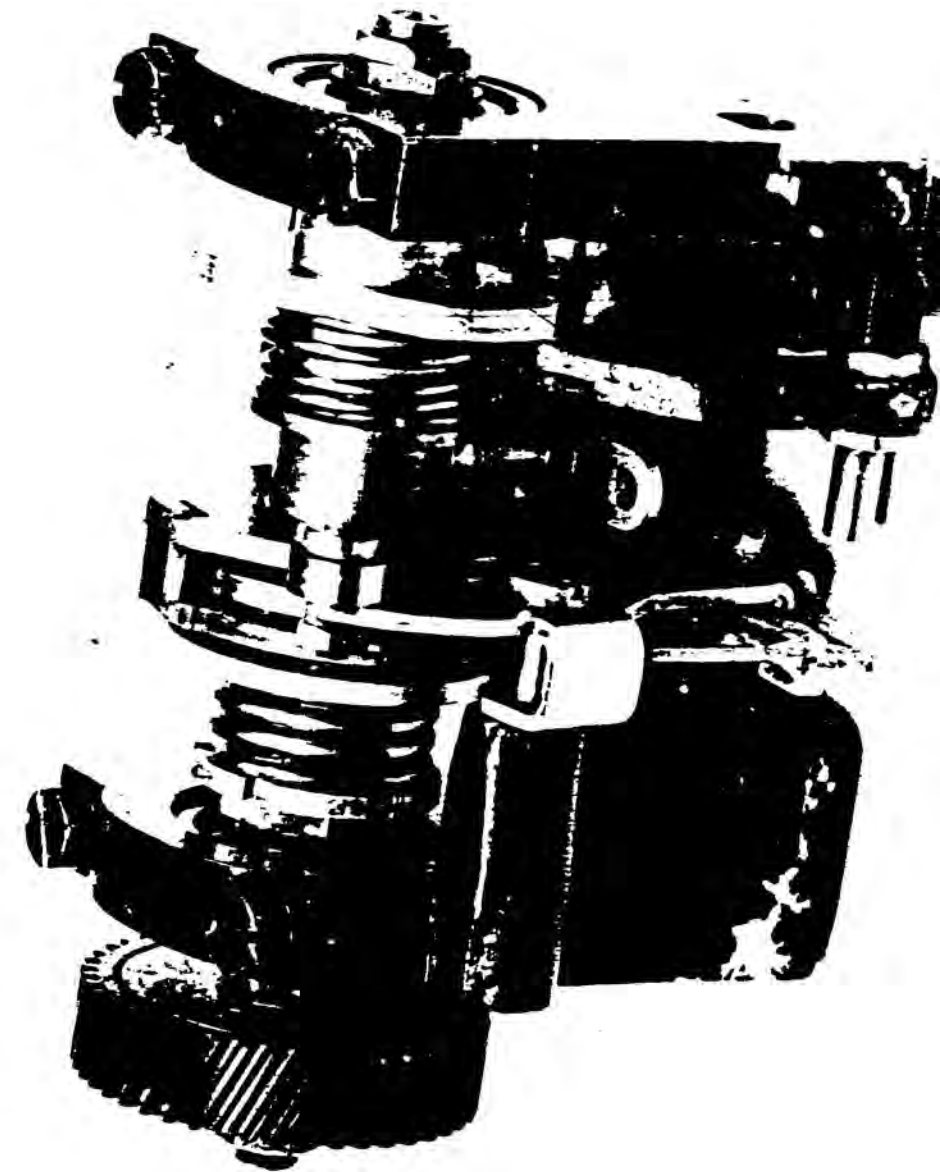
MUSEUM EQUIPMENT CODE: 40-1

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 631219-1

PATENT(S):

LIBRARY REFERENCE(S):



PERFORATOR (GPE)

Five level GPE perforator, with contacts for direct transmission added.

YEARS PRODUCED & QUANTITY:

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

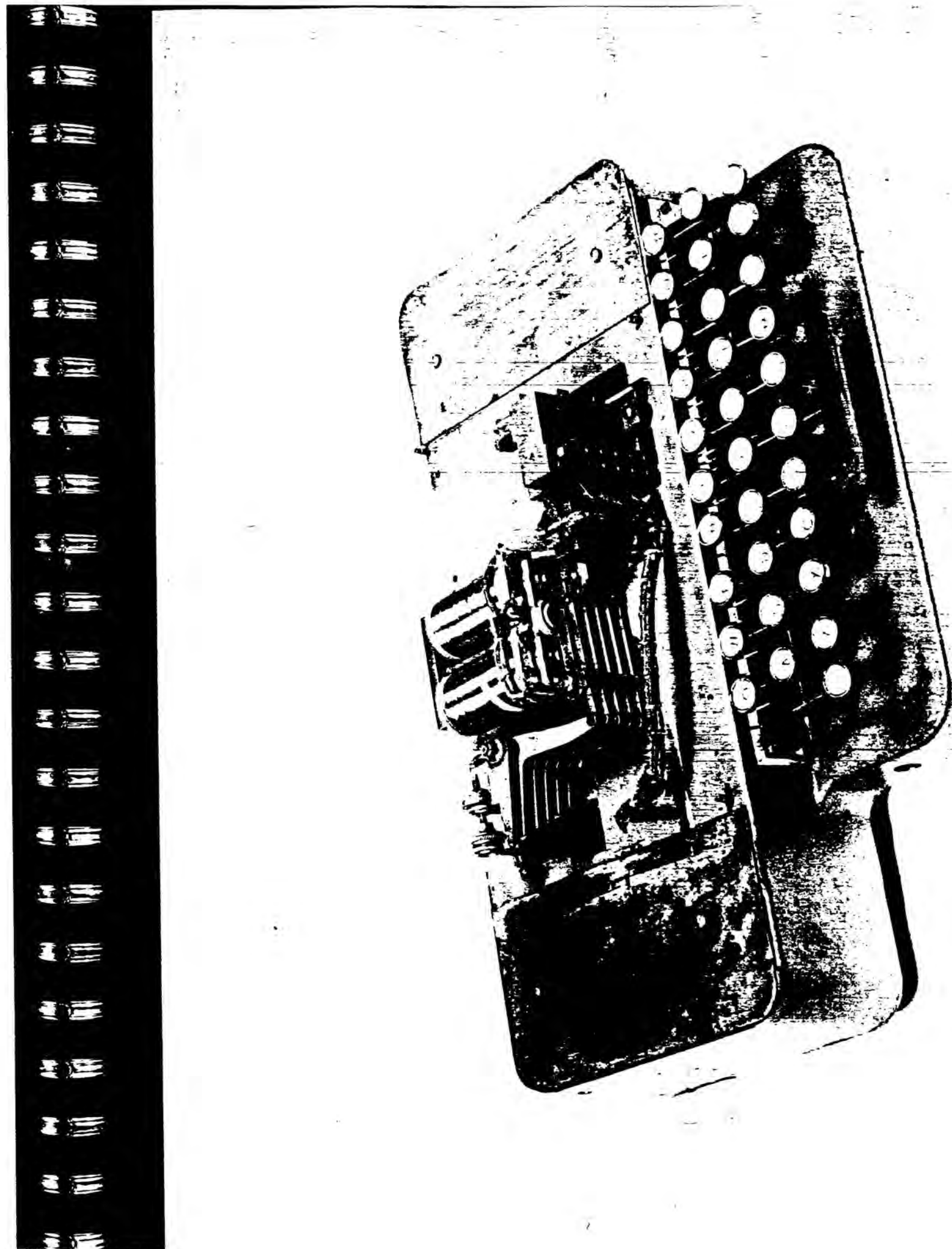
MUSEUM EQUIPMENT CODE: 4C-2

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 281206-18 631219-14

PATENT(S):

LIBRARY REFERENCE(S):



PERFORATOR (GPE)

Five level GPE perforator, with contacts for direct transmission added.

YEARS PRODUCED & QUANTITY: 1928

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

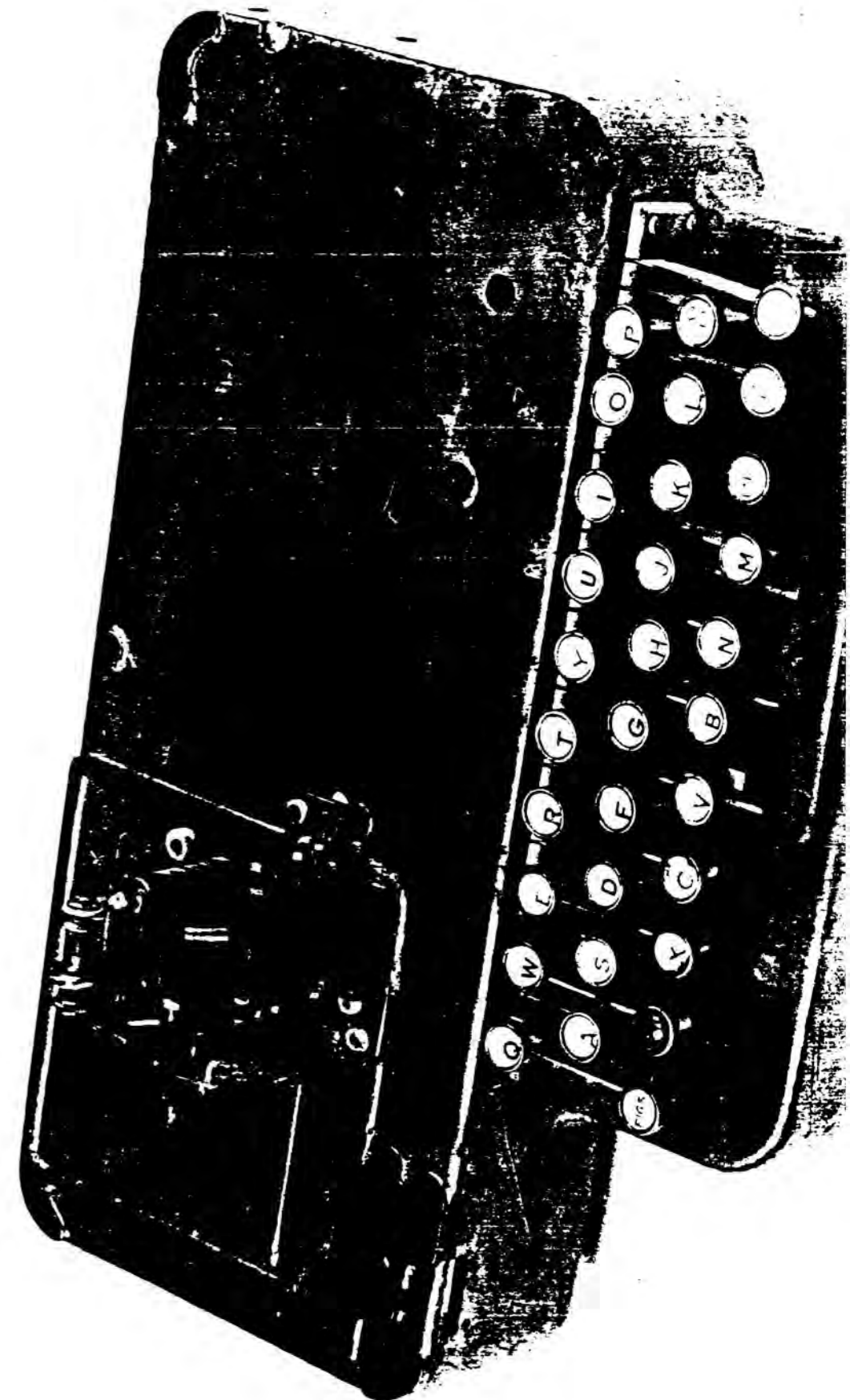
MUSEUM EQUIPMENT CODE: LC-3

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 281206-18,15

PATENT(S):

LIBRARY REFERENCE(S):



PERFORATOR (6 UNIT)

A 6 level, magnet operated perforator made for the
Bell System.

YEARS PRODUCED & QUANTITY: 1928 to 1929

PRIMARY CUSTOMER(S): Bell System

CLASSIFICATION CODE:

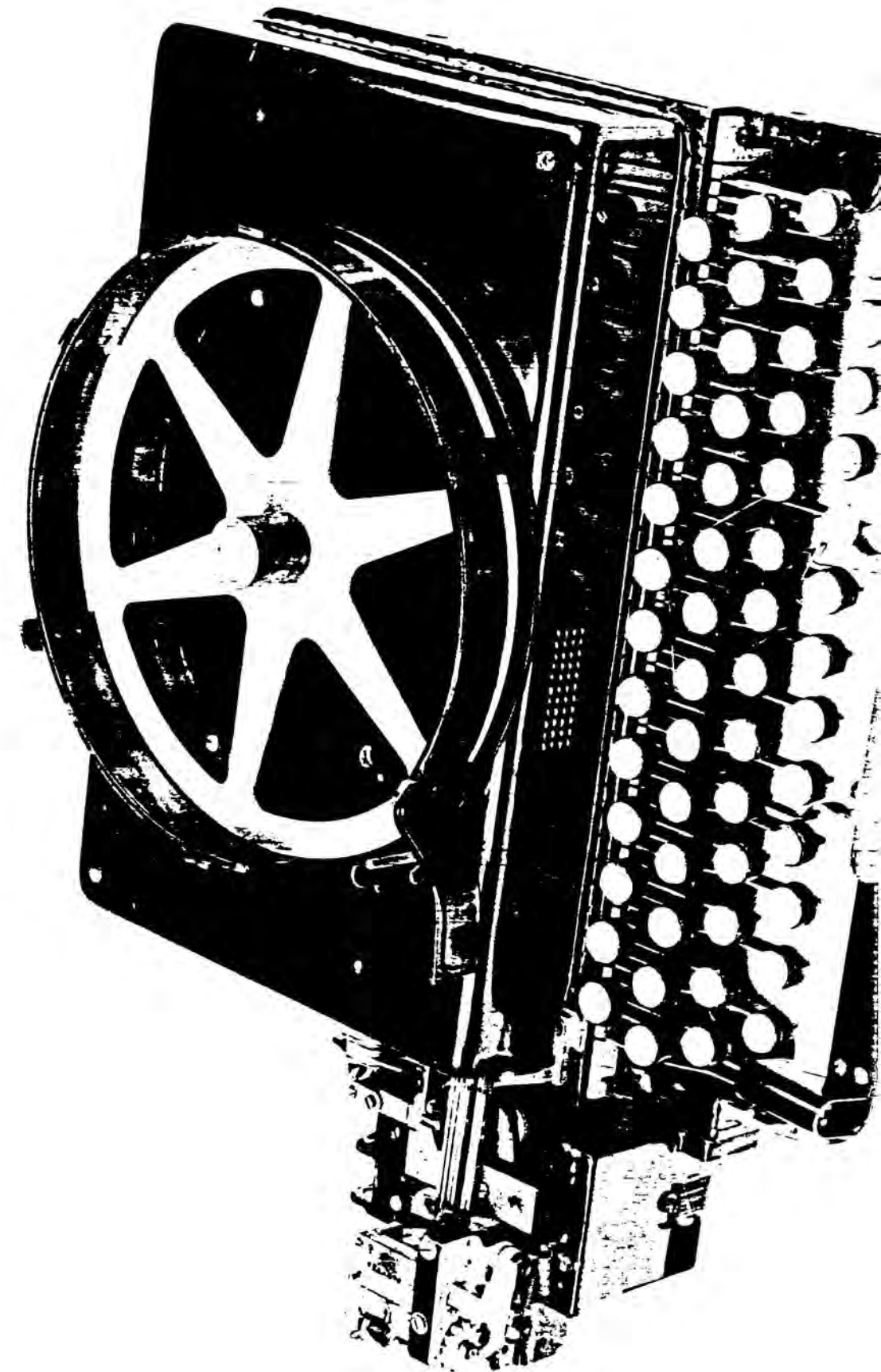
MUSEUM EQUIPMENT CODE: 4C-4

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 650329-89 280501-47

PATENT(S):

LIBRARY REFERENCE(S):



PERFORATOR (PARALLEL INPUT)

Experimental model using PEX perforator mechanisms with punch selector mechanisms activated from parallel input magnets. Concept of magnet, latches and reset is similar to that used in Model 12 equipment.

YEARS PRODUCED & QUANTITY:

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

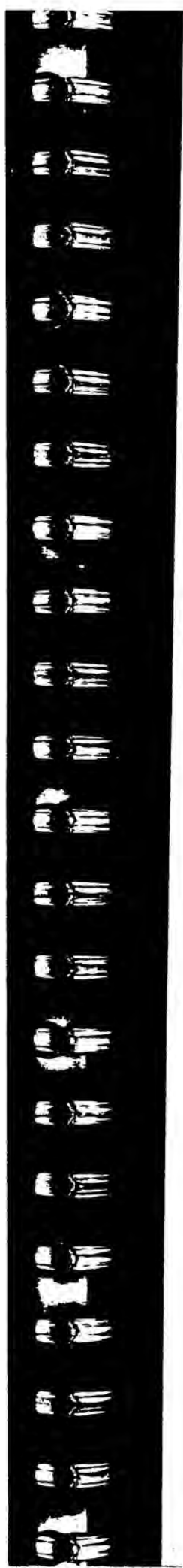
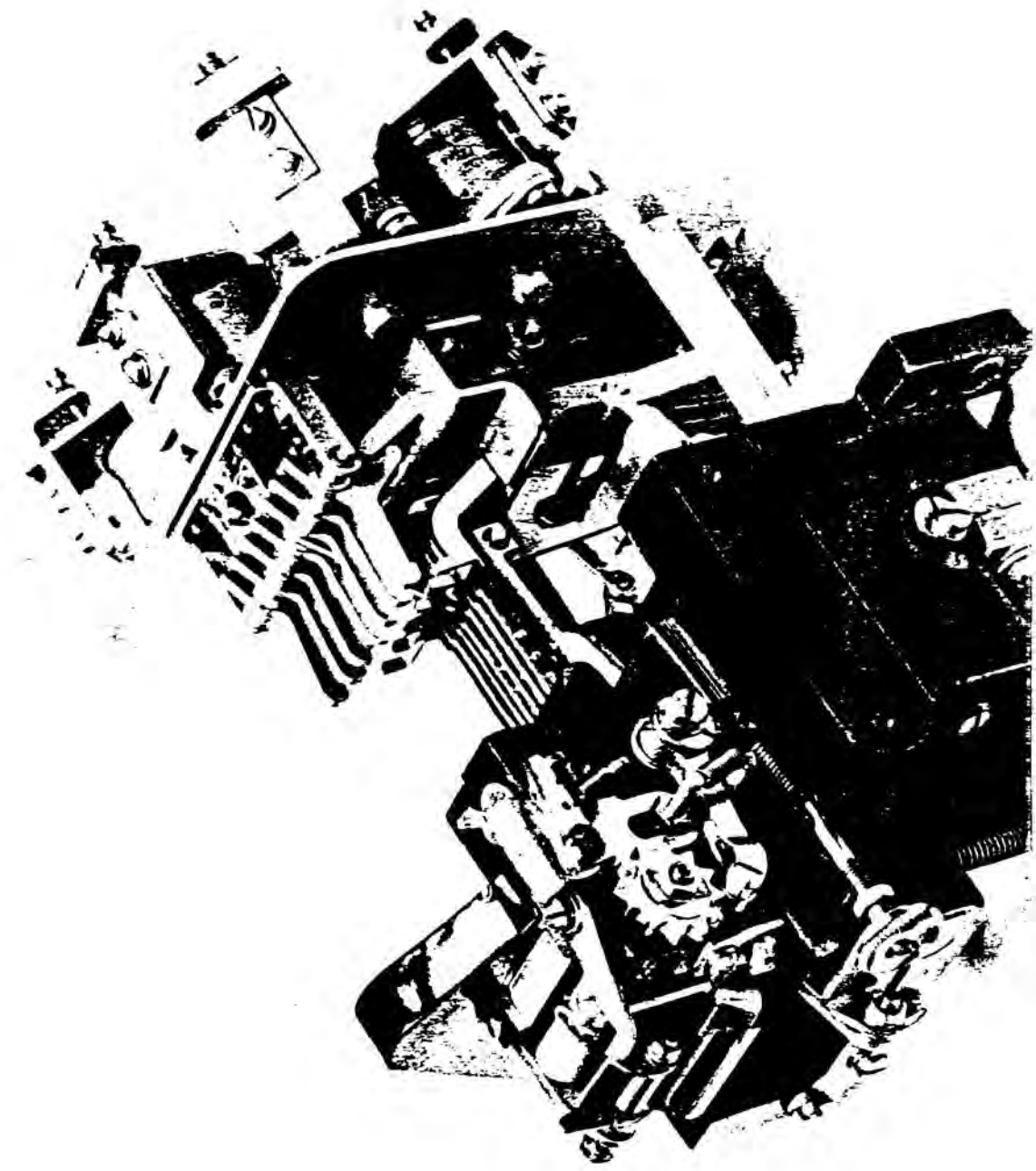
MUSEUM EQUIPMENT CODE: 4C-5

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 631219-6,7 500620-81

PATENT(S):

LIBRARY REFERENCE(S):



PERFORATOR (6 LEVEL)

Experimental early model 6-level four row keyboard
tape perforator. Motor driven punch units.

YEARS PRODUCED & QUANTITY: 1938-40 Prototype

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

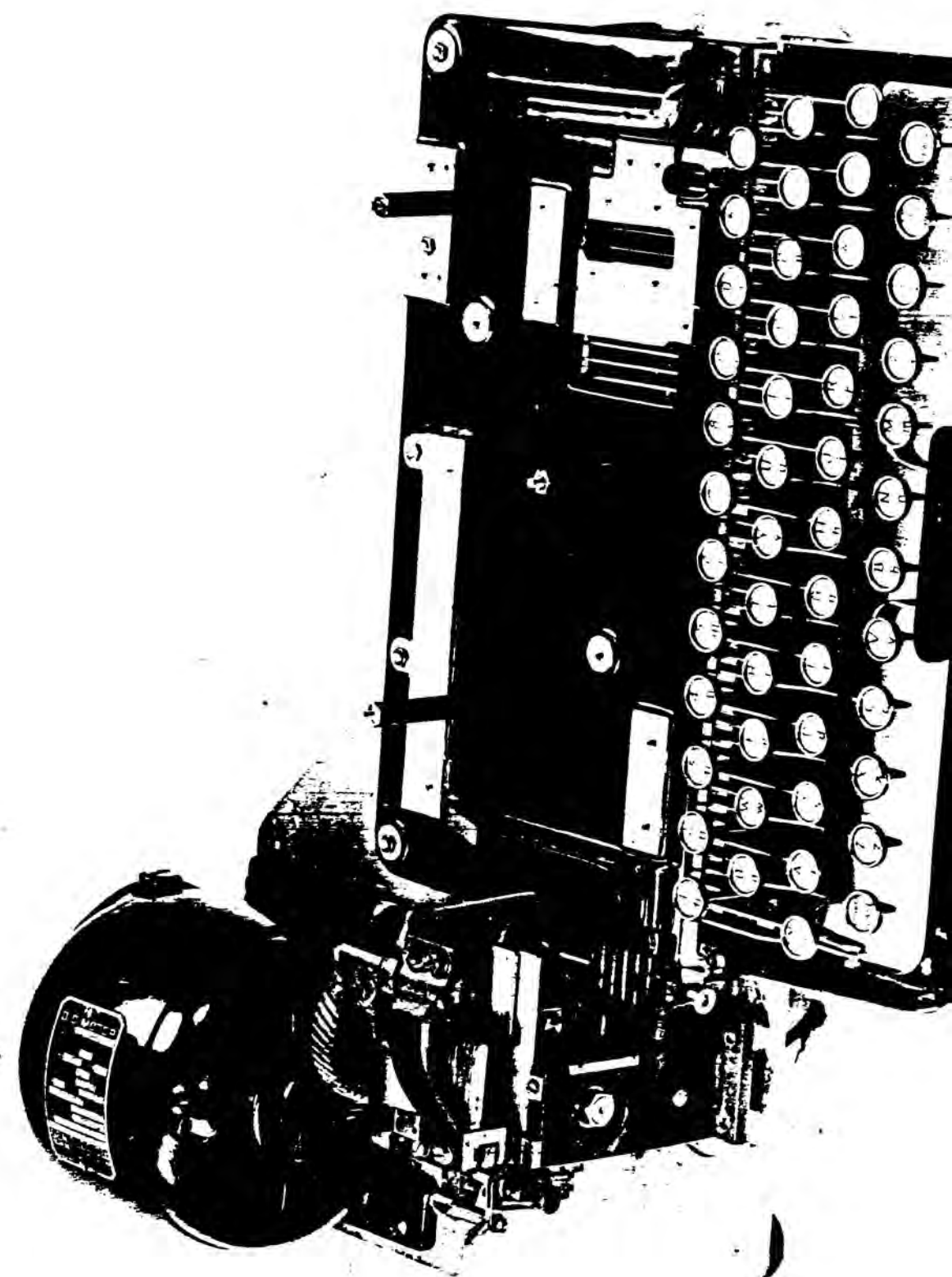
MUSEUM EQUIPMENT CODE: 40-6

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 631108-16,17

PATENT(S):

LIBRARY REFERENCE(S):



26 TYPE PERFORATOR

This model features a moving die block with a floating punch pin mechanism. This permits punching while the tape is being advanced or, as known in the art, "punching on the fly". The code holes are square shaped and chadless and the feed holes which are pre-punched by a roll punch and die, are chadless round holes.

YEARS PRODUCED & QUANTITY: 1946 Prototype

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

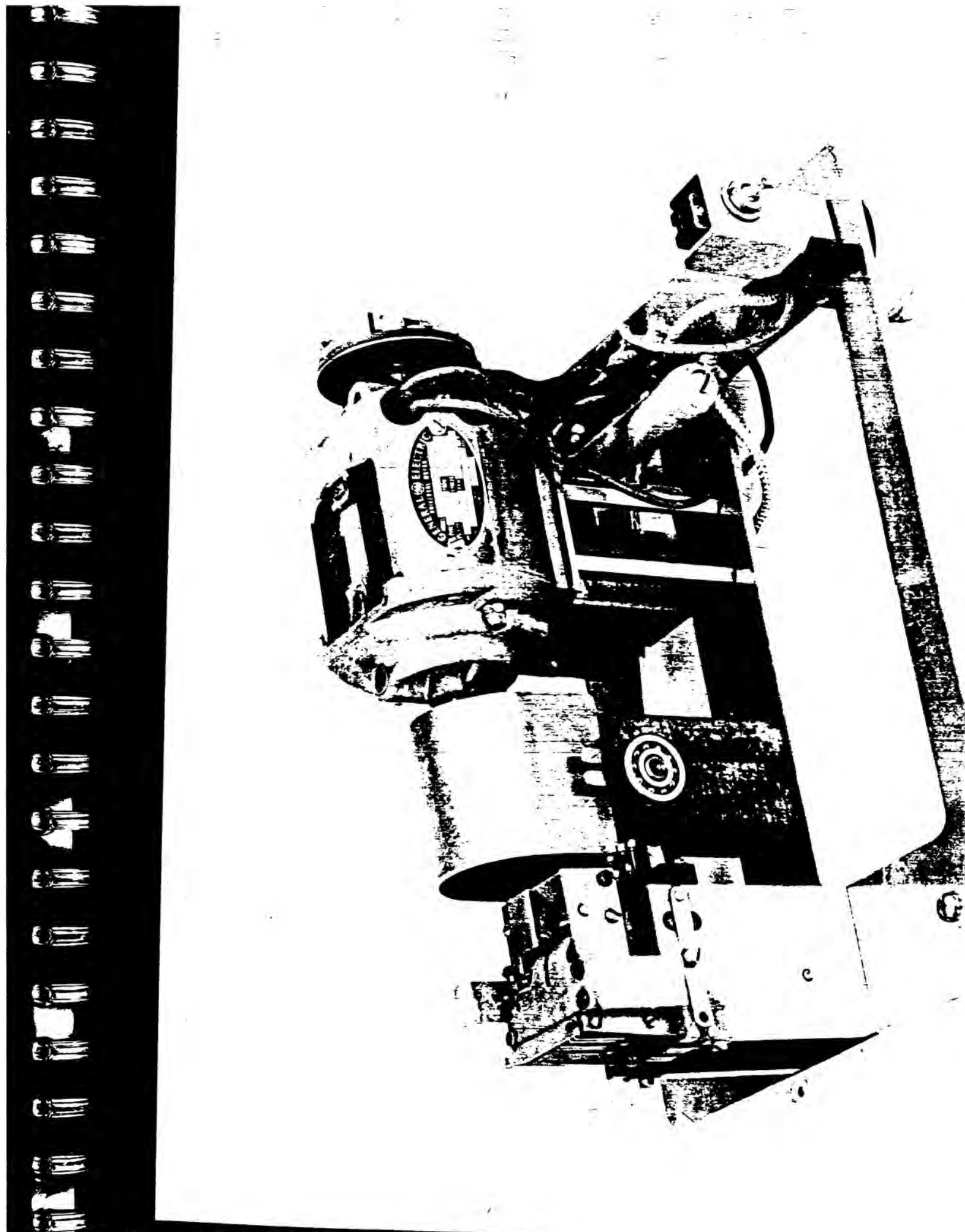
MUSEUM EQUIPMENT CODE: 4C-7

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 461101-3,4,5 650319-46 510402-17

PATENT(S):

LIBRARY REFERENCE(S):



PERFORATOR (6 UNIT)

A 6-level, magnet operated perforator made for the Bell System (same as 4C-4).

YEARS PRODUCED & QUANTITY:

PRIMARY CUSTOMER(S): Bell System

CLASSIFICATION CODE:

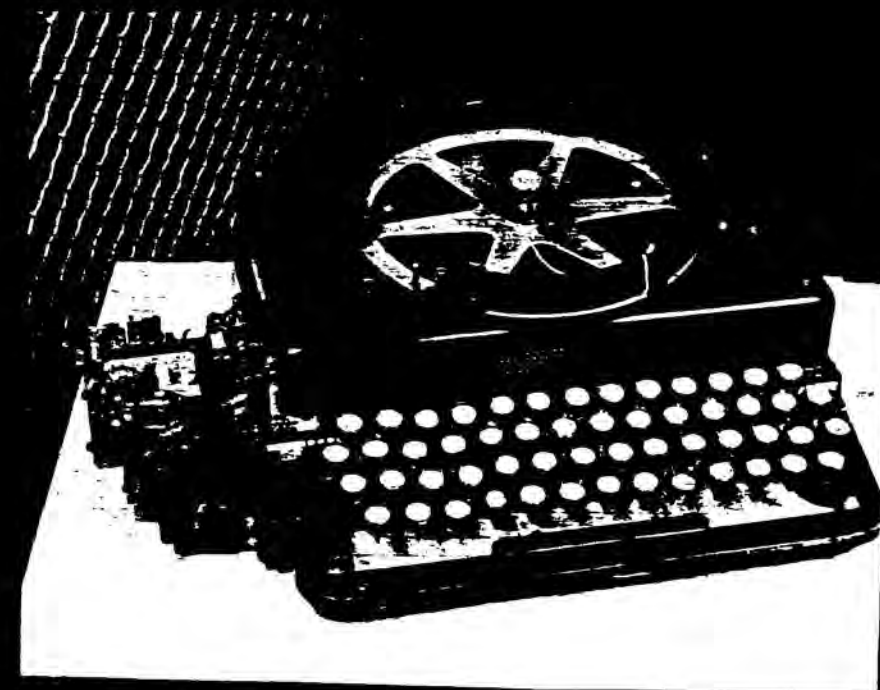
MUSEUM EQUIPMENT CODE: 4C-6

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): Polaroid T030

PATENT(S):

LIBRARY REFERENCE(S):



EARLY 6-LEVEL PERFORATOR

An early 6-level perforator.

YEARS PRODUCED & QUANTITY:

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

MUSEUM EQUIPMENT CODE: MC-9

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): Polaroid T003

PATENT(S):

LIBRARY REFERENCE(S):



EARLY 6-LEVEL PERFORATOR

An early 6-level perforator.

YEARS PRODUCED & QUANTITY:

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

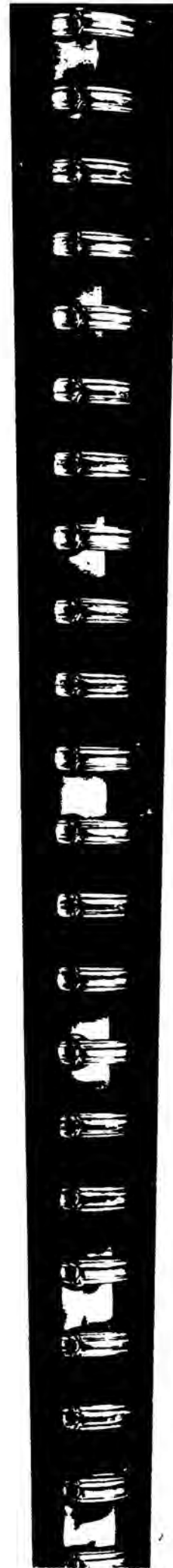
MUSEUM EQUIPMENT CODE: 40-10

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 650329-90,91

PATENT(S):

LIBRARY REFERENCE(S):

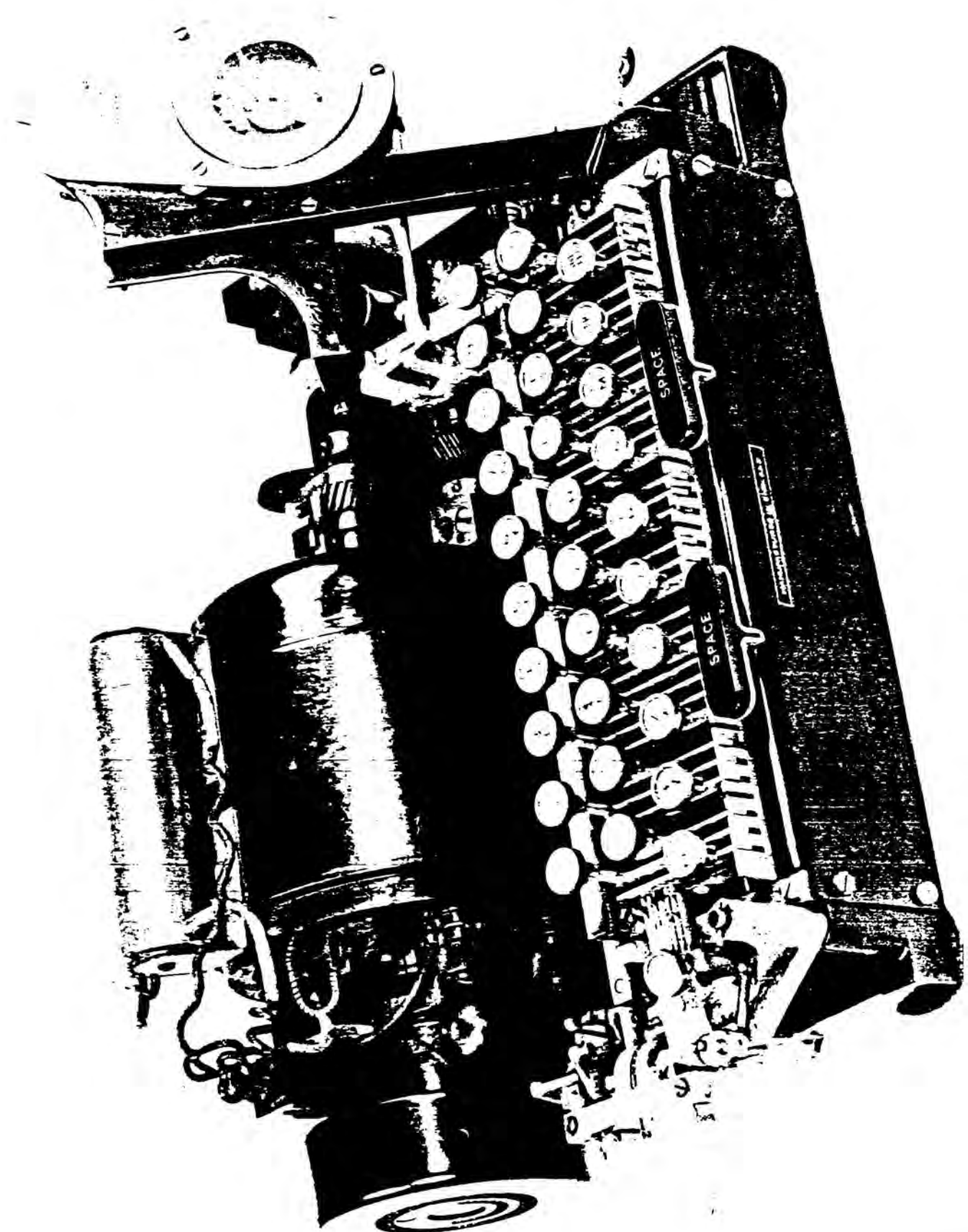


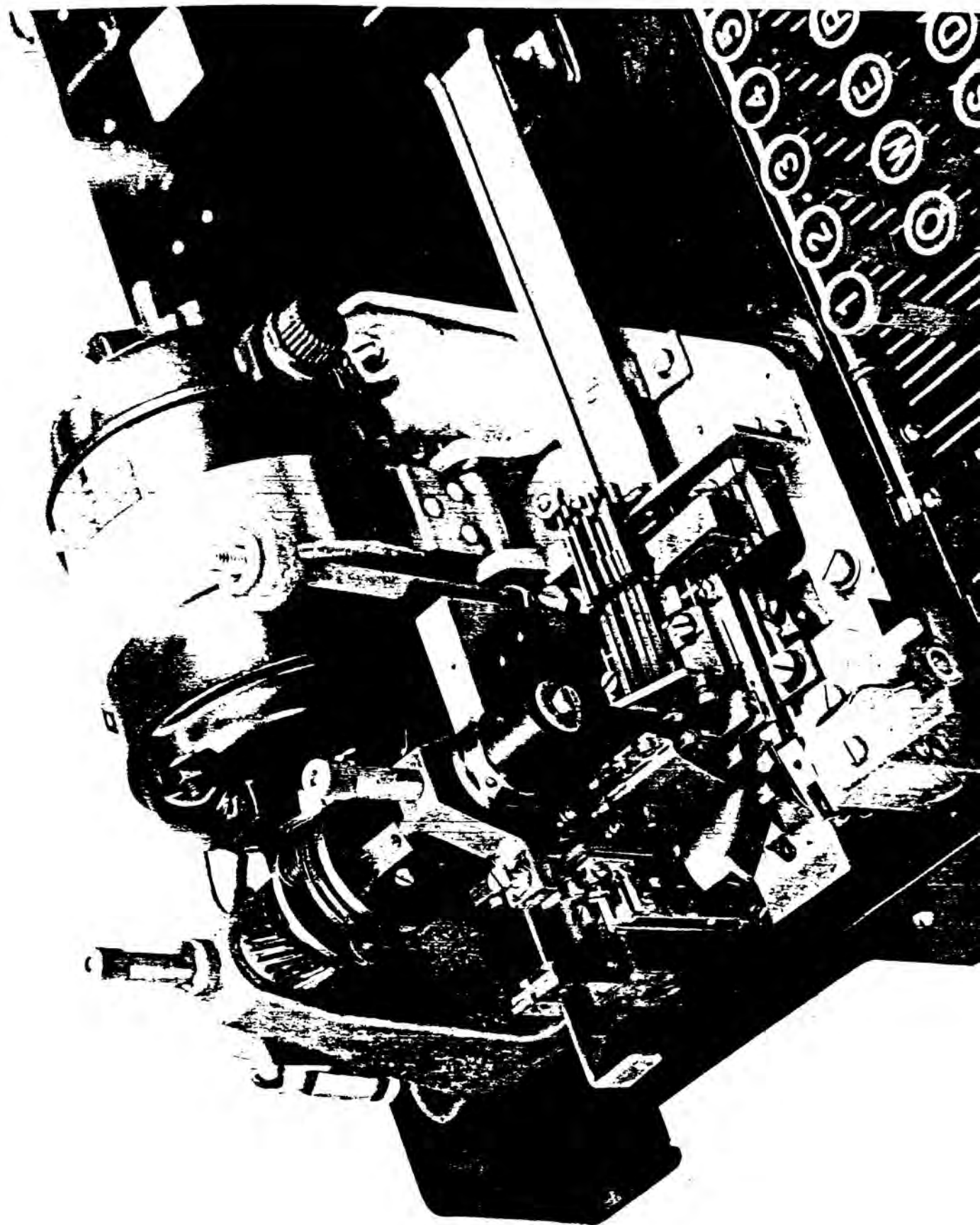
4D-1

PHOTO # : 650329-92

1935 to 1936

2/5





SIEMENS HALSKE PERFORATOR

A 5 level, 3 row keyboard, tape punch having a clock face type character control. Featured a copy holder and line guide arrangement.

YEARS PRODUCED & QUANTITY: 1959

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

MUSEUM EQUIPMENT CODE: LD-3

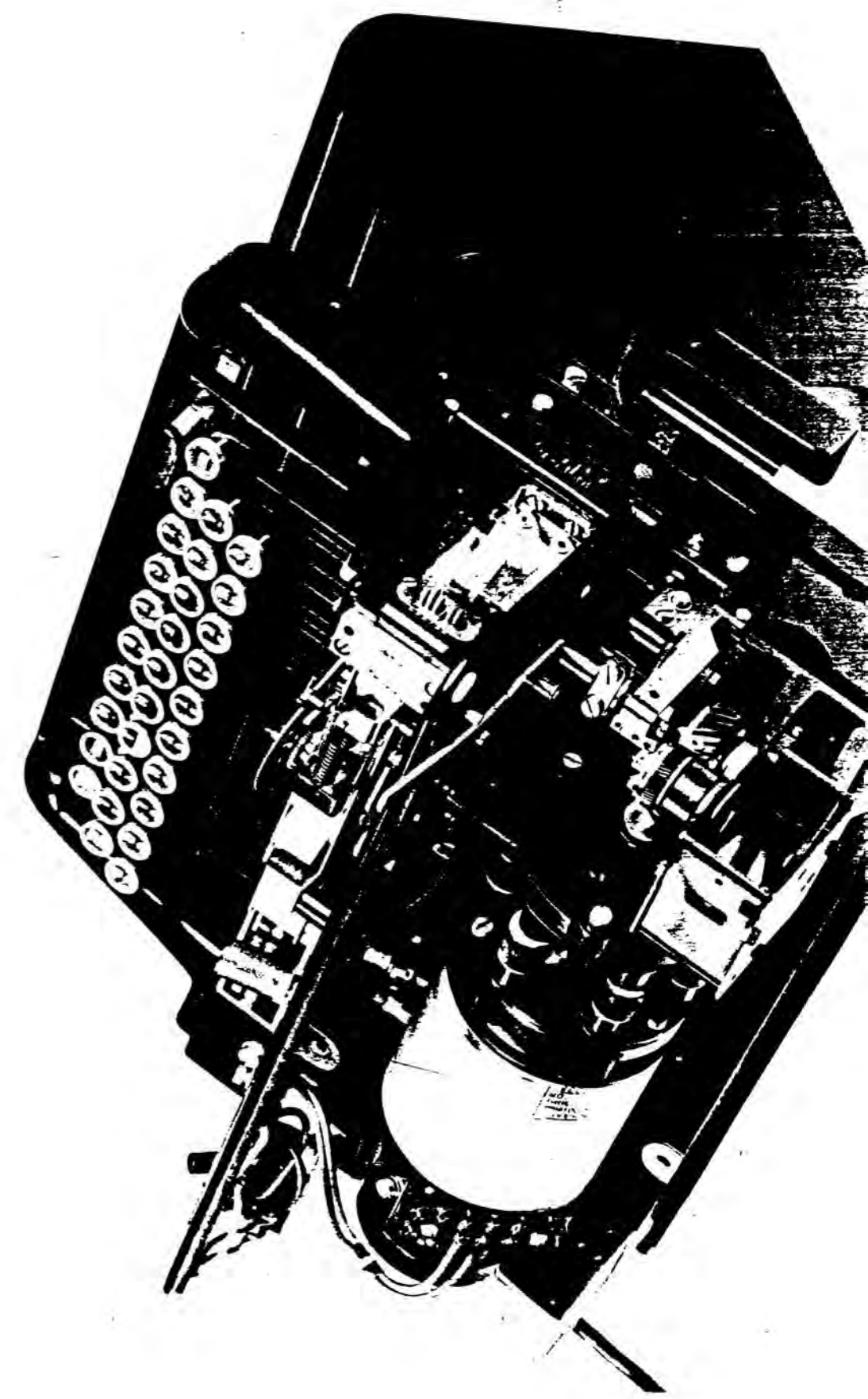
TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 541002-26 631108-81,82

PATENT(S):

LIBRARY REFERENCE(S):

26



OLIVETTI PERFORATOR

A 5 level, 3 row keyboard tape perforator having a clock face character indicator. Cover is a thin wall casting. Tape exit is at right hand of machine (unconventional).

YEARS PRODUCED & QUANTITY:

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

MUSEUM EQUIPMENT CODE: 4D-1

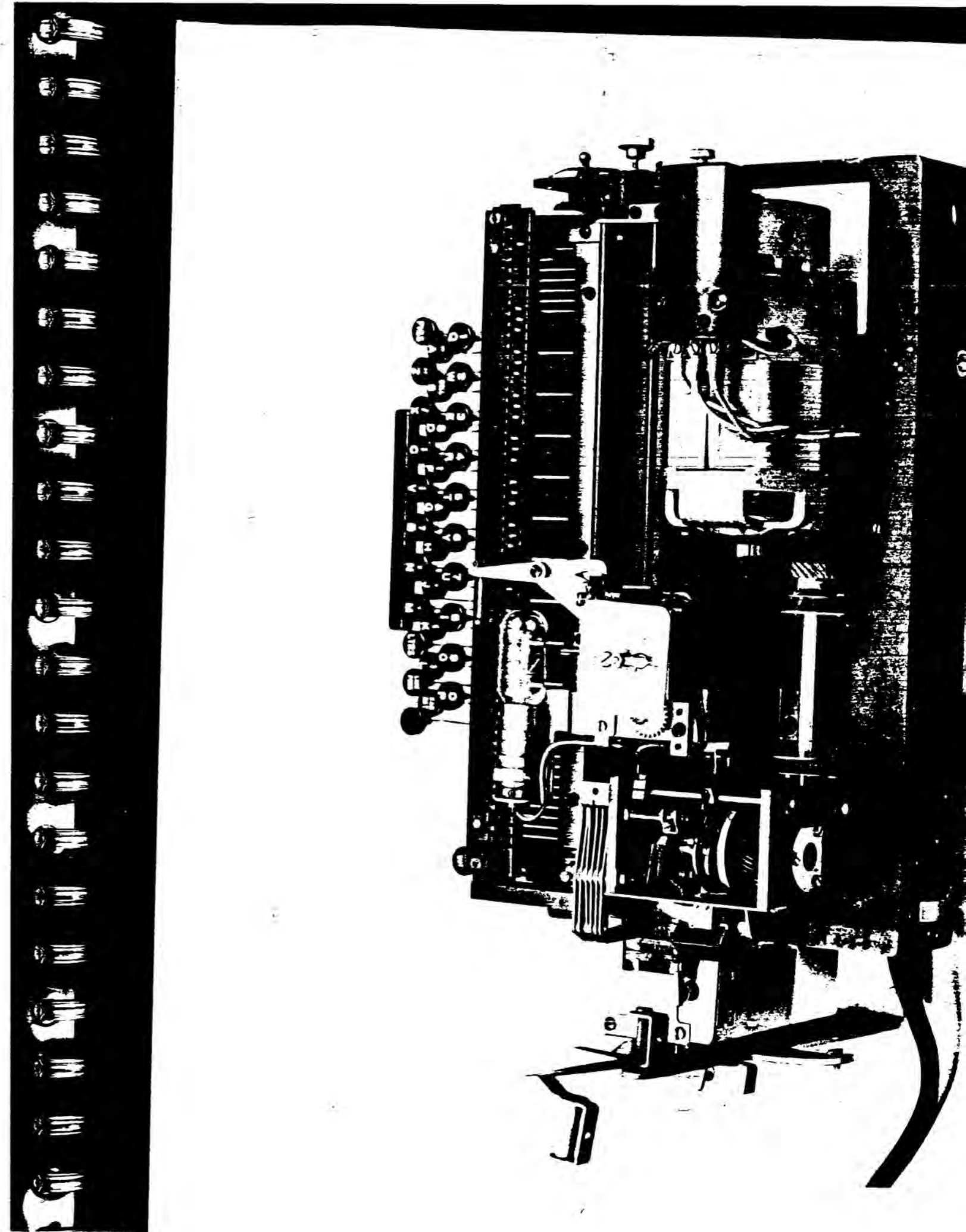
TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): 530811-73 631108-85,86

PATENT(S):

LIBRARY REFERENCE(S):

29



12 TYPE REPERFORATOR - 5 LEVEL

A five level, Model 12 type reperforator.

YEARS PRODUCED & QUANTITY: 1930-1940

PRIMARY CUSTOMER(S):

CLASSIFICATION CODE:

MUSEUM EQUIPMENT CODE: 5B-1

TECHNICAL BULLETINS & SPECS:

PHOTO NO(S): Polaroid TUL19

PATENT(S):

LIBRARY REFERENCE(S):

