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(12) **United States Design Patent**
Russell et al.

(10) **Patent No.: US D452,234 S**

(45) **Date of Patent: ** Dec. 18, 2001**

(54) **PUSH-BUTTON MATRIX**

(75) Inventors: **Rachel K. Russell**, Hoover, AL (US);
Christopher M. Arena, Duluth, GA (US)

(73) Assignee: **BellSouth Intellectual Property Corporation**

(*) Notice: This patent is subject to a terminal disclaimer.

(**) Term: **14 Years**

(21) Appl. No.: **29/097,488**

(22) Filed: **Dec. 8, 1998**

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/062,628, filed on Nov. 20, 1996, now Pat. No. Des. 403,683.

(51) **LOC (7) Cl.** **14-03**

(52) **U.S. Cl.** **D14/247**

(58) **Field of Search** D14/247, 240,
D14/137, 140, 142, 138, 147-151, 146,
115; 379/368, 433, 419, 420, 428, 440,
434-436; 455/575, 90

(56) **References Cited**

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- D. 403,683 * 1/1999 Russell D14/247
- 4,386,245 * 5/1983 Nimura et al. 379/368 X

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Tele, Swedish publication, pp. 34 and 38, Jan. 1982.*

* cited by examiner

Primary Examiner—Jeffrey Asch

(74) *Attorney, Agent, or Firm*—Brenda O. Holmes; Paul E. Knowlton; Kilpatrick Stockton LLP

(57) **CLAIM**

The ornamental design for a push-button matrix, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a first embodiment thereof;
 FIG. 2 is a left side elevational view of a first embodiment thereof;
 FIG. 3 is a right side elevational view of a first embodiment thereof;
 FIG. 4 is a top plan view of a first embodiment thereof;
 FIG. 5 is a bottom plan view of a first embodiment thereof;
 FIG. 6 is a front elevational view of a second embodiment thereof;
 FIG. 7 is a left side elevational view of a second embodiment thereof;
 FIG. 8 is a right side elevational view of a second embodiment thereof;
 FIG. 9 is a top plan view of a second embodiment thereof;
 FIG. 10 is a bottom plan view of a second embodiment thereof;
 FIG. 11 is a front elevational view of a third embodiment thereof;
 FIG. 12 is a left side elevational view of a third embodiment thereof;
 FIG. 13 is a right side elevational view of a third embodiment thereof;
 FIG. 14 is a top plan view of a third embodiment thereof;
 FIG. 15 is a bottom plan view of a third embodiment thereof;
 FIG. 16 is a front elevational view of a fourth embodiment thereof;
 FIG. 17 is a left side elevational view of a fourth embodiment thereof;
 FIG. 18 is a right side elevational view of a fourth embodiment thereof;
 FIG. 19 is a top plan view of a fourth embodiment thereof;
 FIG. 20 is a bottom plan view of a fourth embodiment thereof;
 FIG. 21 is a front elevational view of a fifth embodiment thereof;
 FIG. 22 is a left side elevational view of a fifth embodiment thereof;

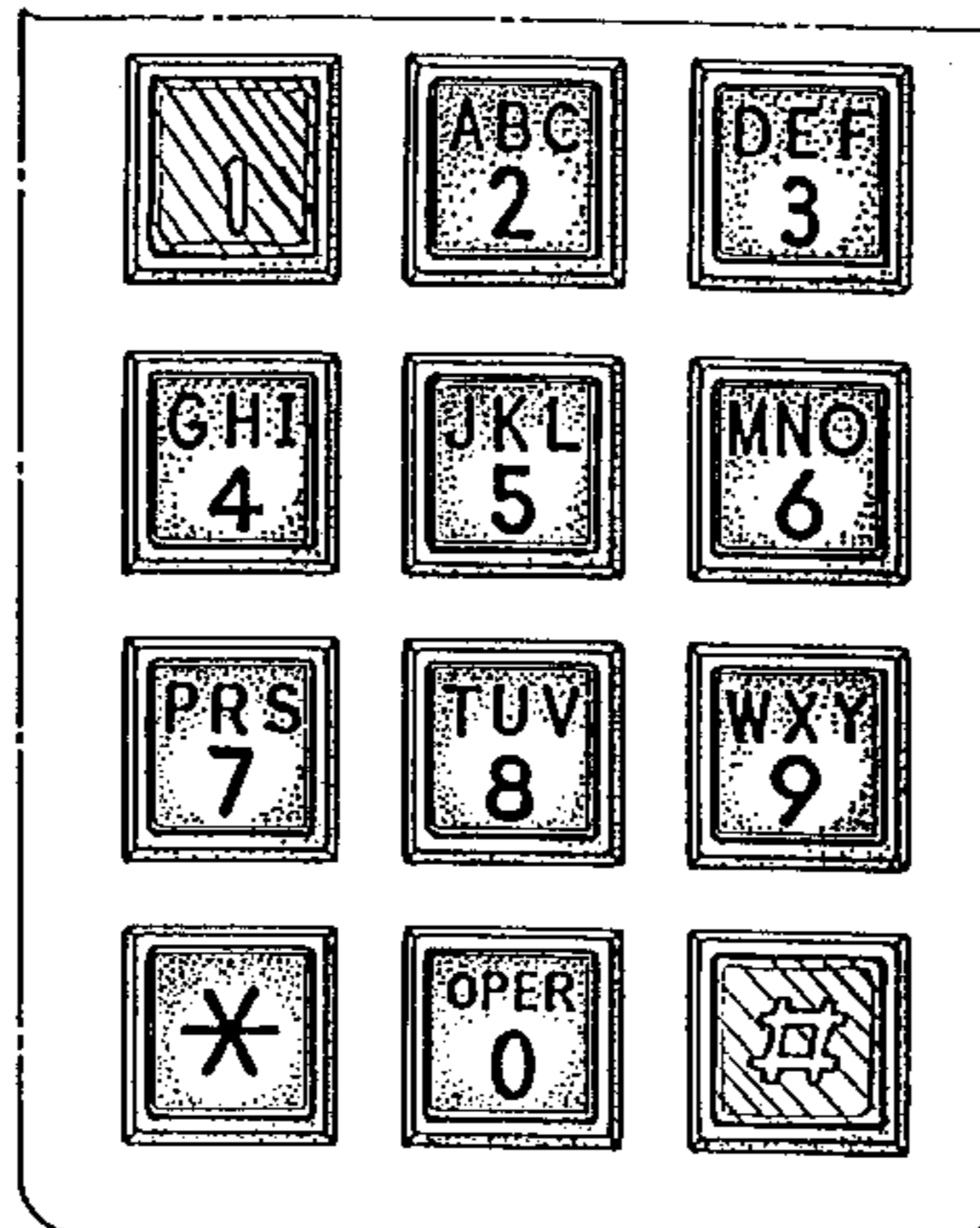


FIG. 23 is a right side elevational view of a fifth embodiment thereof;

FIG. 24 is a top plan view of a fifth embodiment thereof;

FIG. 25 is a bottom plan view of a fifth embodiment thereof;

FIG. 26 is a front elevational view of a sixth embodiment thereof;

FIG. 27 is a left side elevational view of a sixth embodiment thereof;

FIG. 28 is a right side elevational view of a sixth embodiment thereof;

FIG. 29 is a top plan view of a sixth embodiment thereof;

FIG. 30 is a bottom plan view of a sixth embodiment thereof;

FIG. 31 is a front elevational view of a seventh embodiment thereof;

FIG. 32 is a left side elevational view of a seventh embodiment thereof;

FIG. 33 is a right side elevational view of a seventh embodiment thereof;

FIG. 34 is a top plan view of a seventh embodiment thereof;
and,

FIG. 35 is a bottom plan view of a seventh embodiment thereof.

The broken line showings of FIGS. 1-35 are for illustrative purposes only and form no part of the claimed design.

The "1" and "#" keys in FIGS. 1-5 have been shaded to represent the color green. The "1" and "#" keys in FIGS. 6-10 have been shaded to represent the color red or pink. The "1" and "#" keys in FIGS. 11-15 have been shaded to represent the color yellow or gold. The "1" and "#" keys in FIGS. 16-20 have been shaded to represent the color gray or silver. The "1" and "#" keys in FIGS. 21-25 have been shaded to represent the color violet or purple. The "1" and "#" keys in FIGS. 26-30 have been shaded to represent the color orange. The "1" and "#" keys in FIGS. 31-35 have been shaded to represent the color brown.

1 Claim, 7 Drawing Sheets

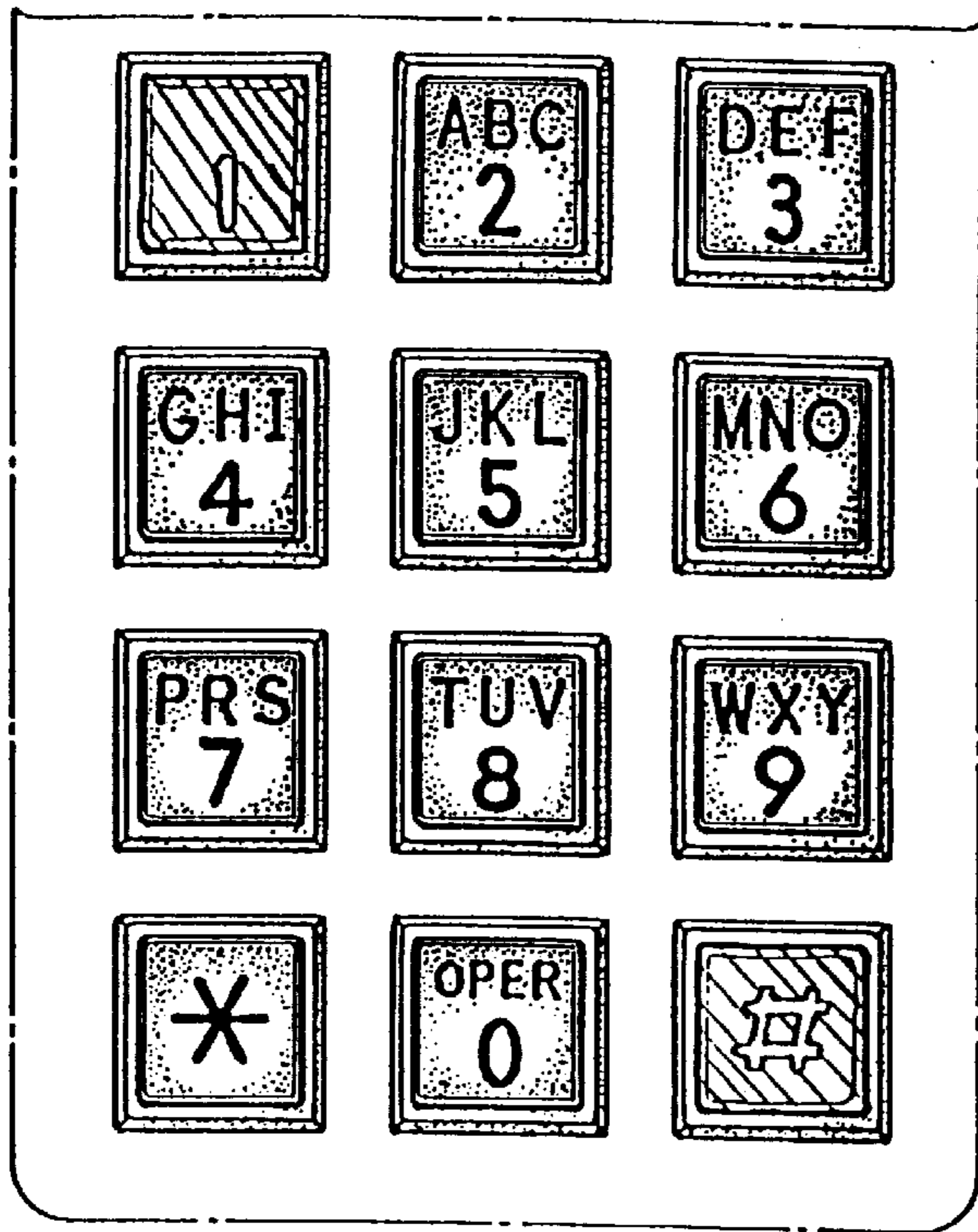


FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5

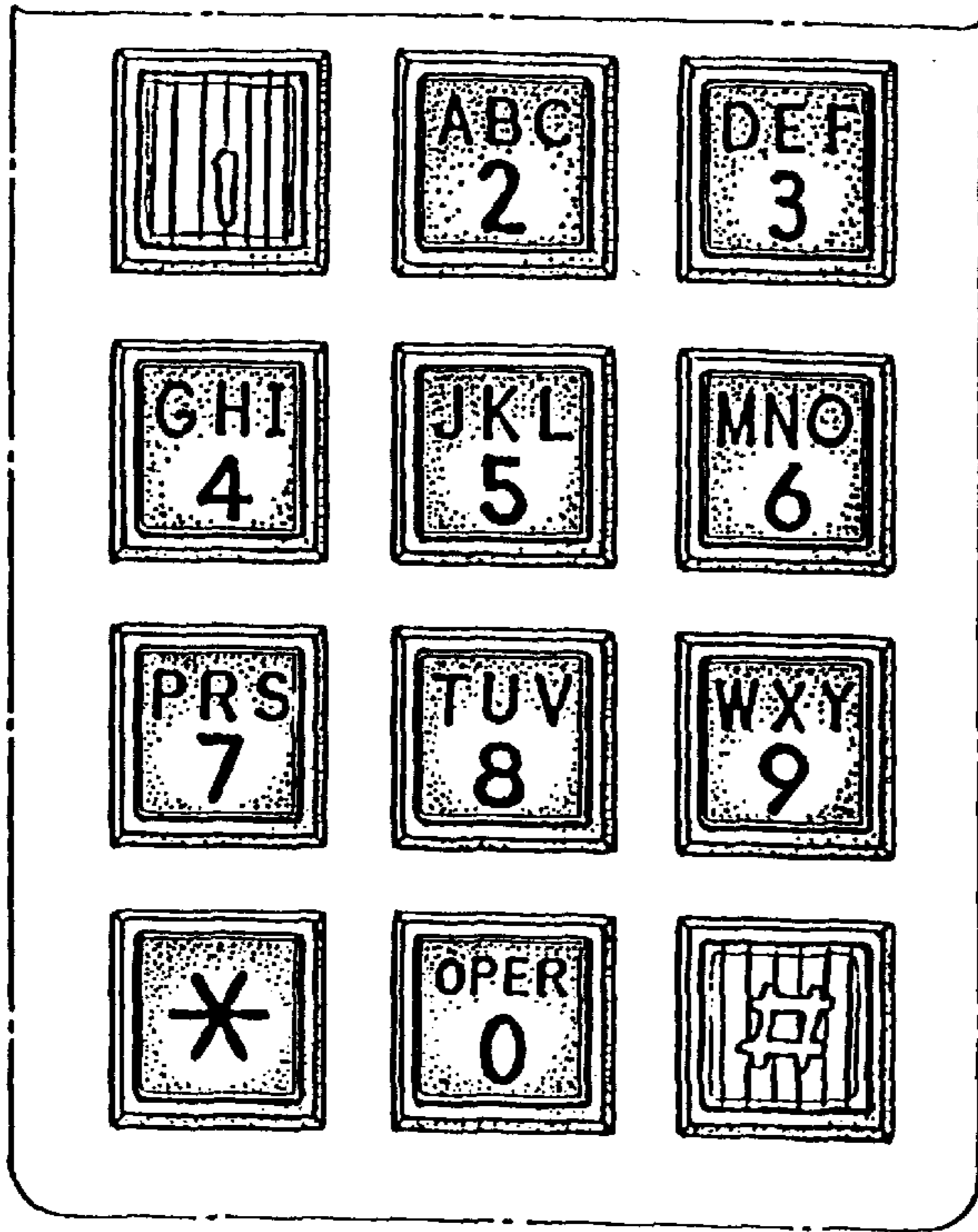


FIG. 6

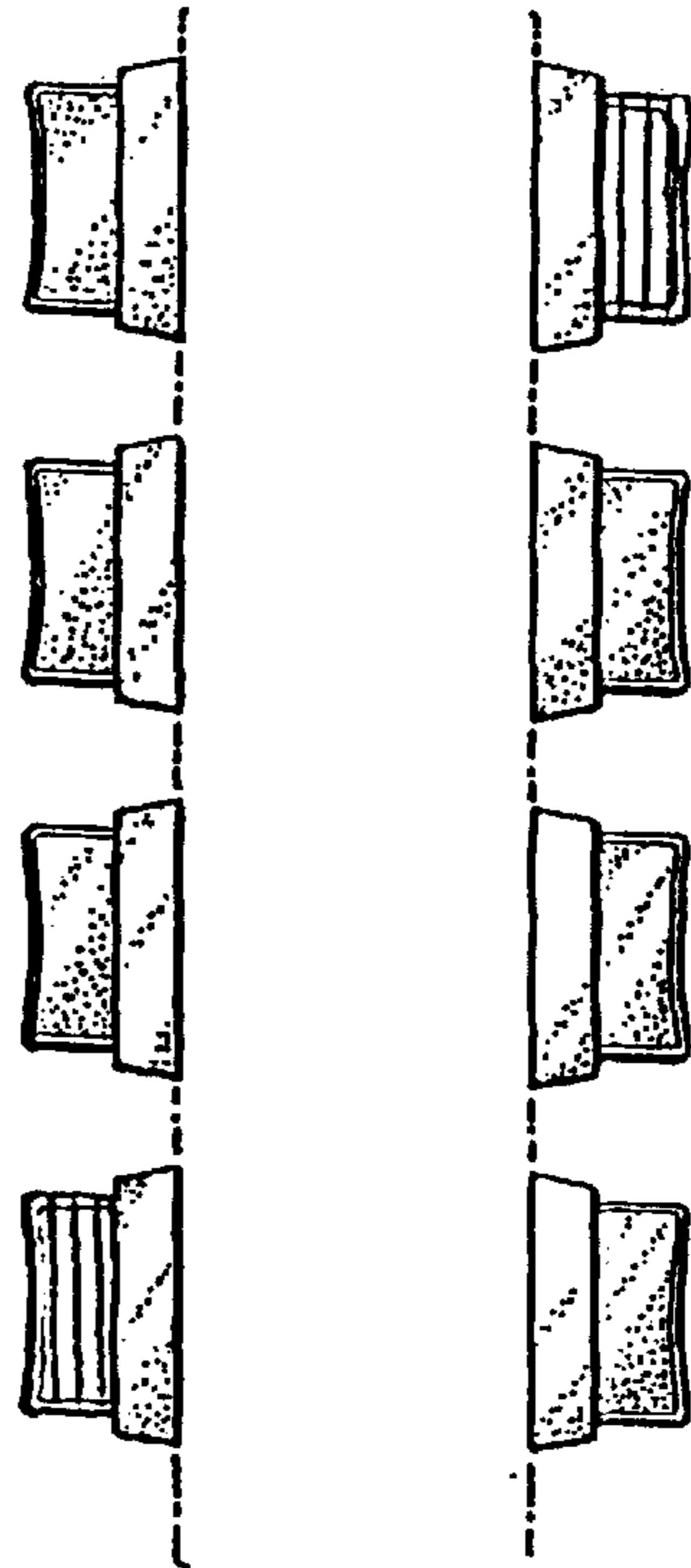


FIG. 7 FIG. 8



FIG. 9



FIG. 10

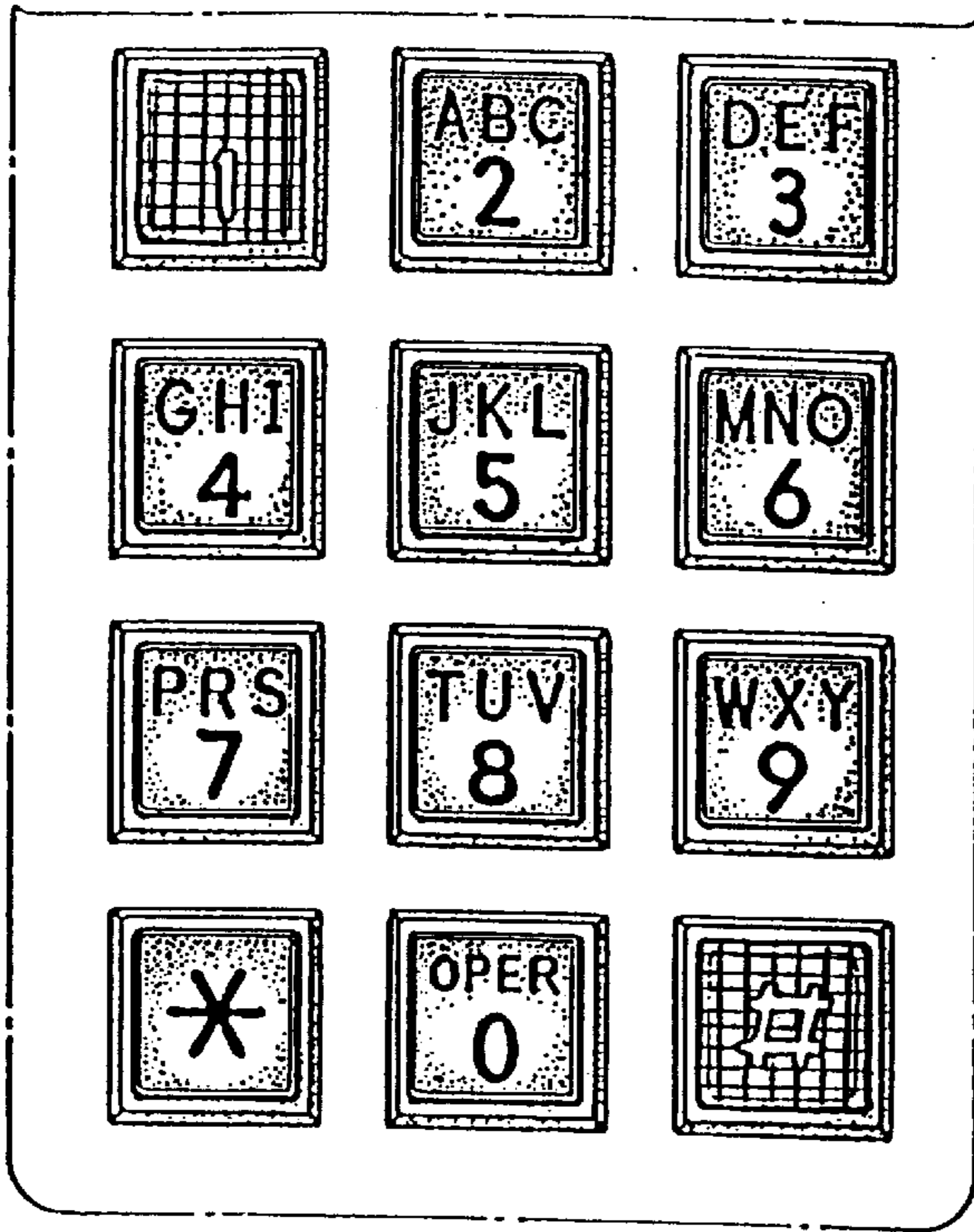


FIG. 11



FIG. 12



FIG. 13



FIG. 14



FIG. 15

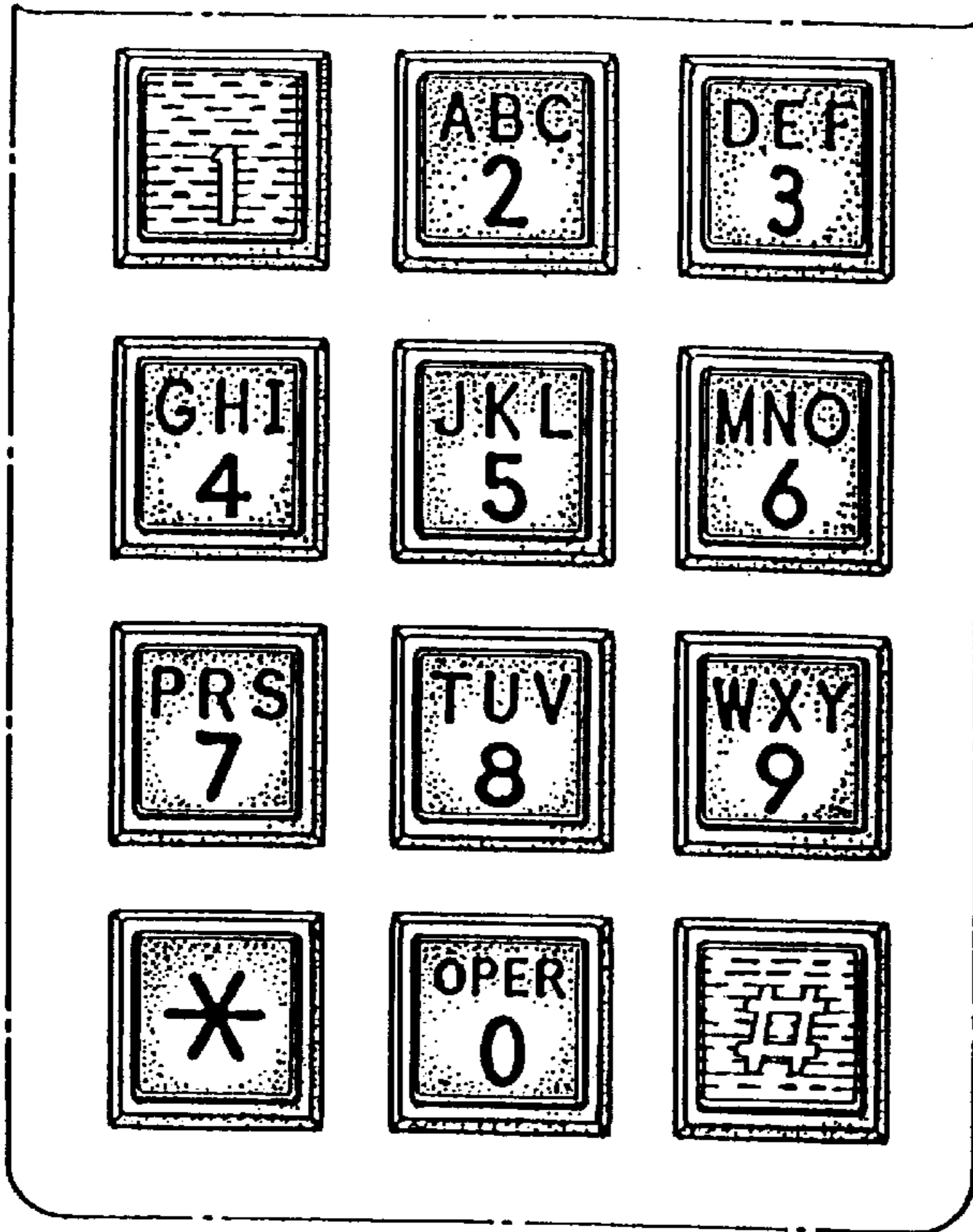


FIG. 16



FIG. 17



FIG. 18



FIG. 19



FIG. 20

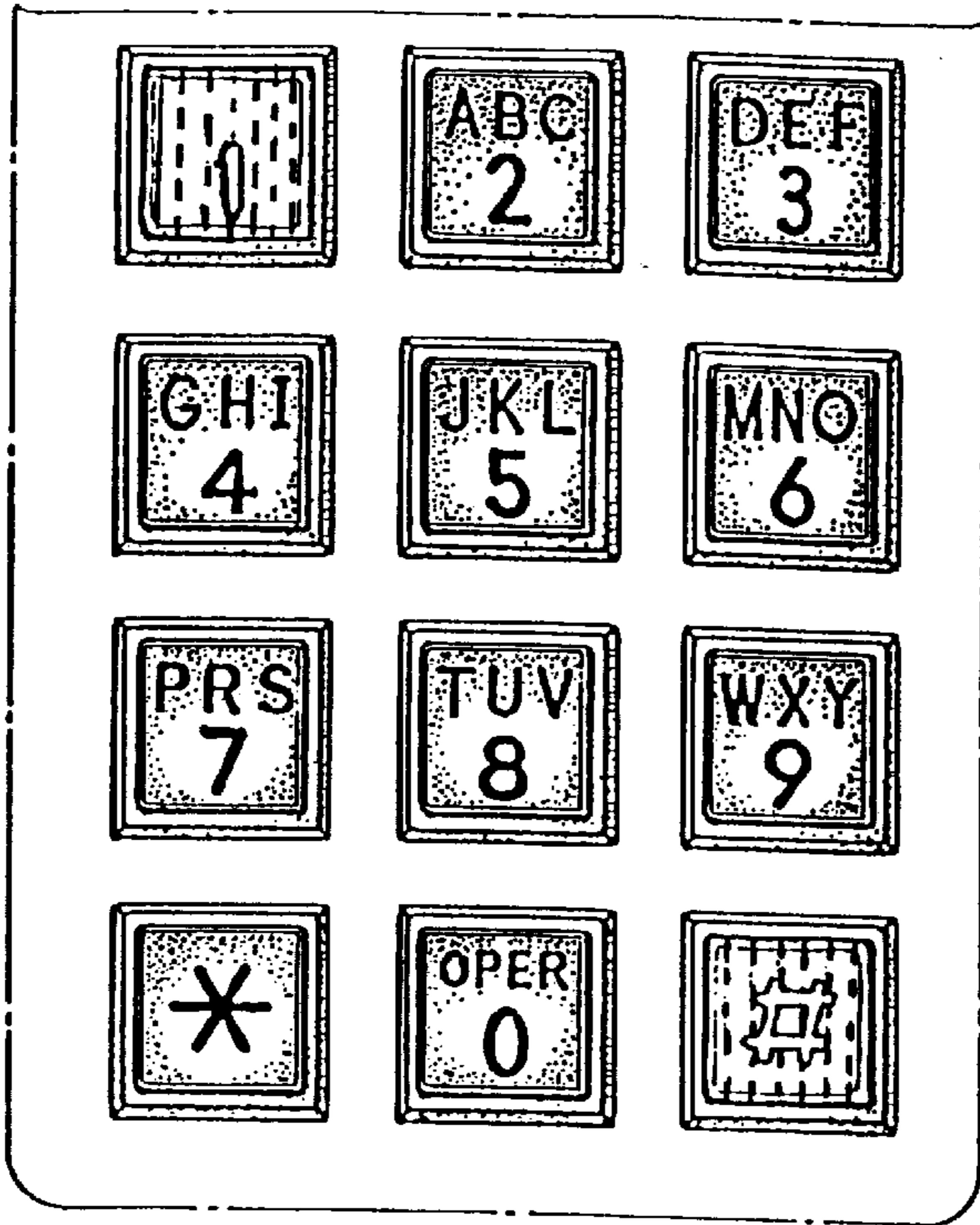


FIG. 21

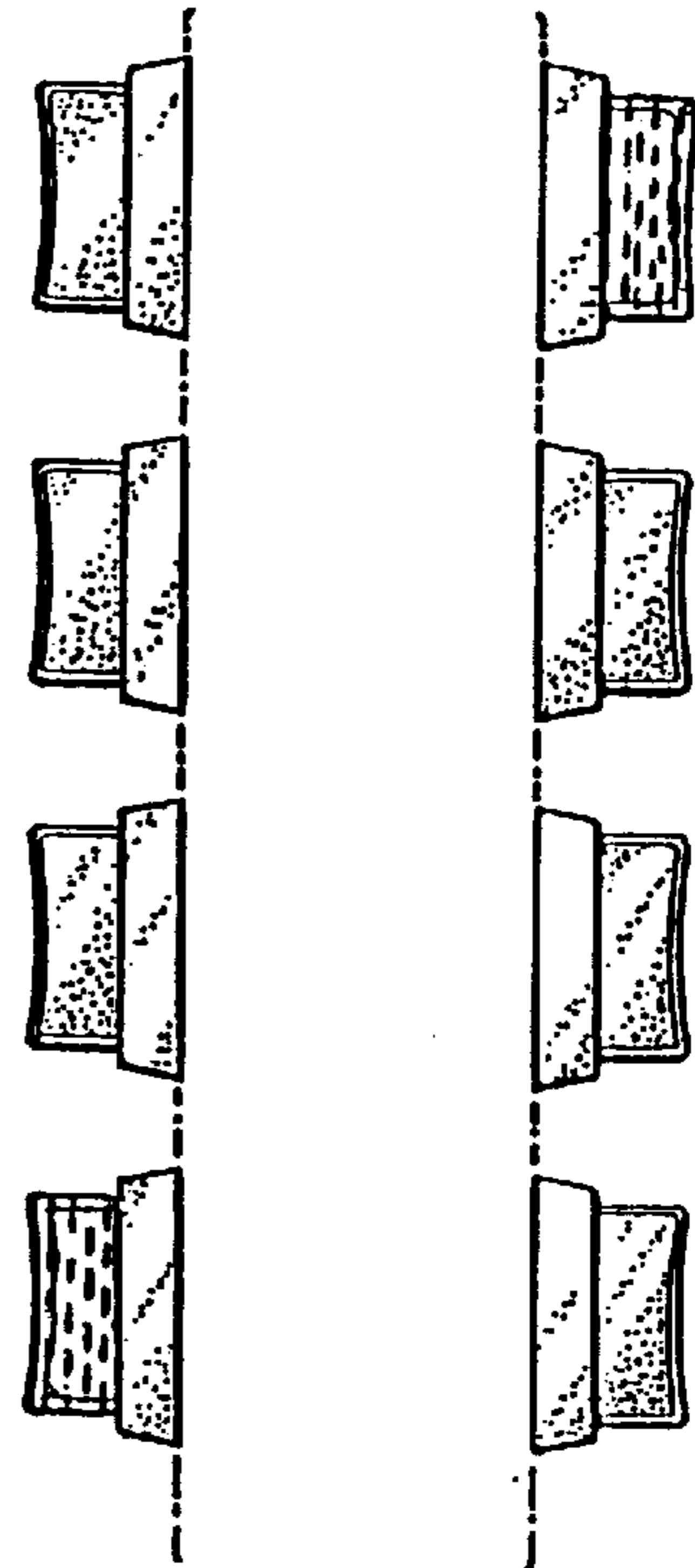


FIG. 22 FIG. 23



FIG. 24



FIG. 25

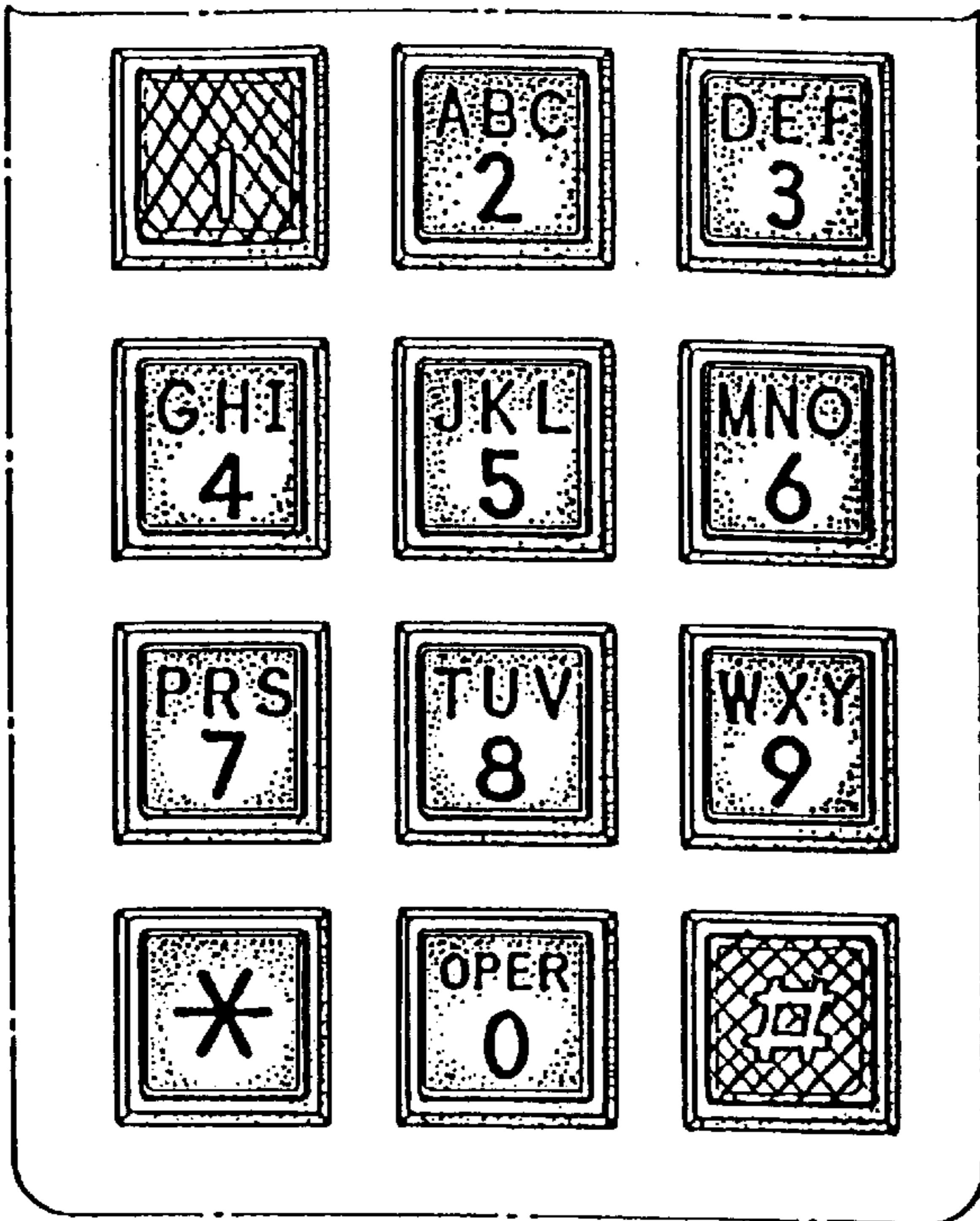


FIG. 26

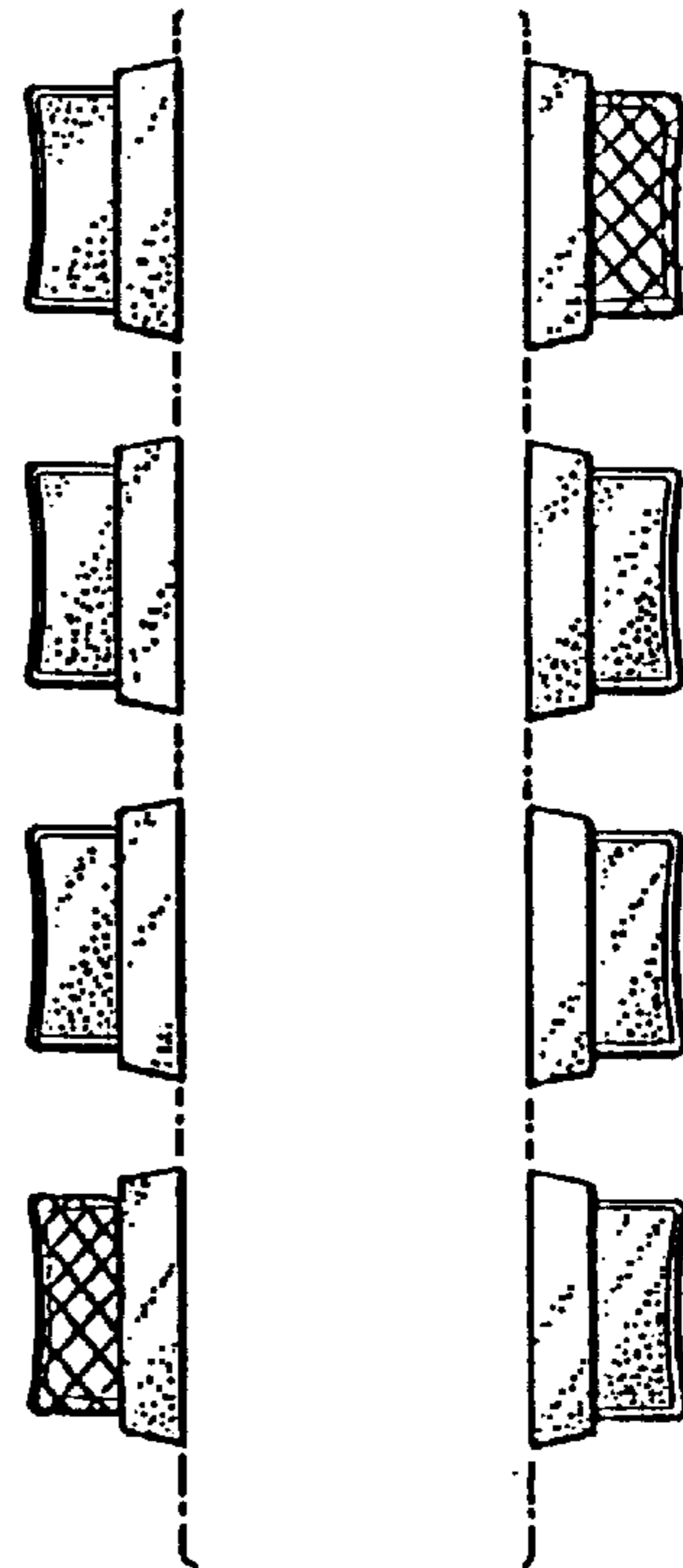


FIG. 27 FIG. 28



FIG. 29



FIG. 30

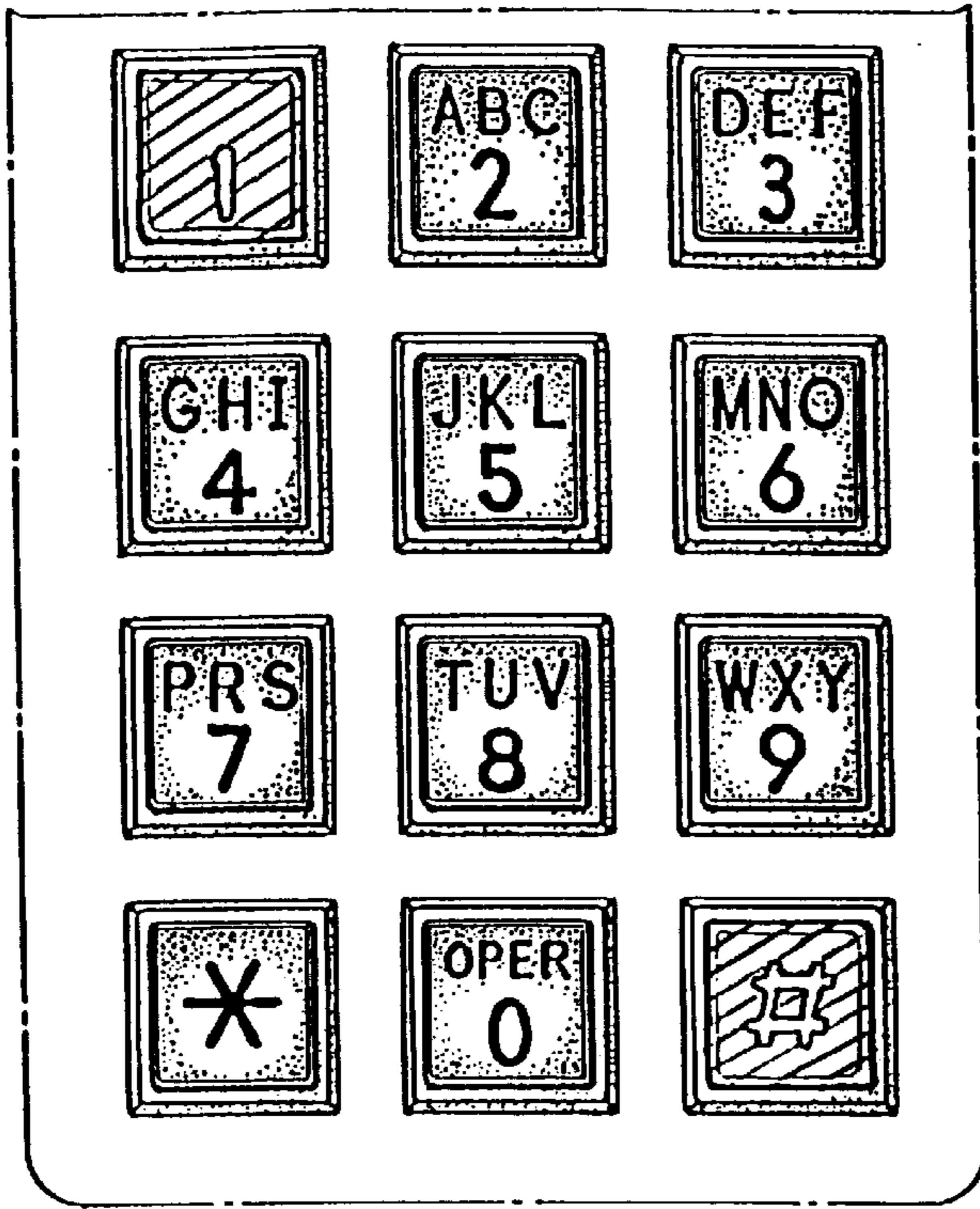


FIG. 31

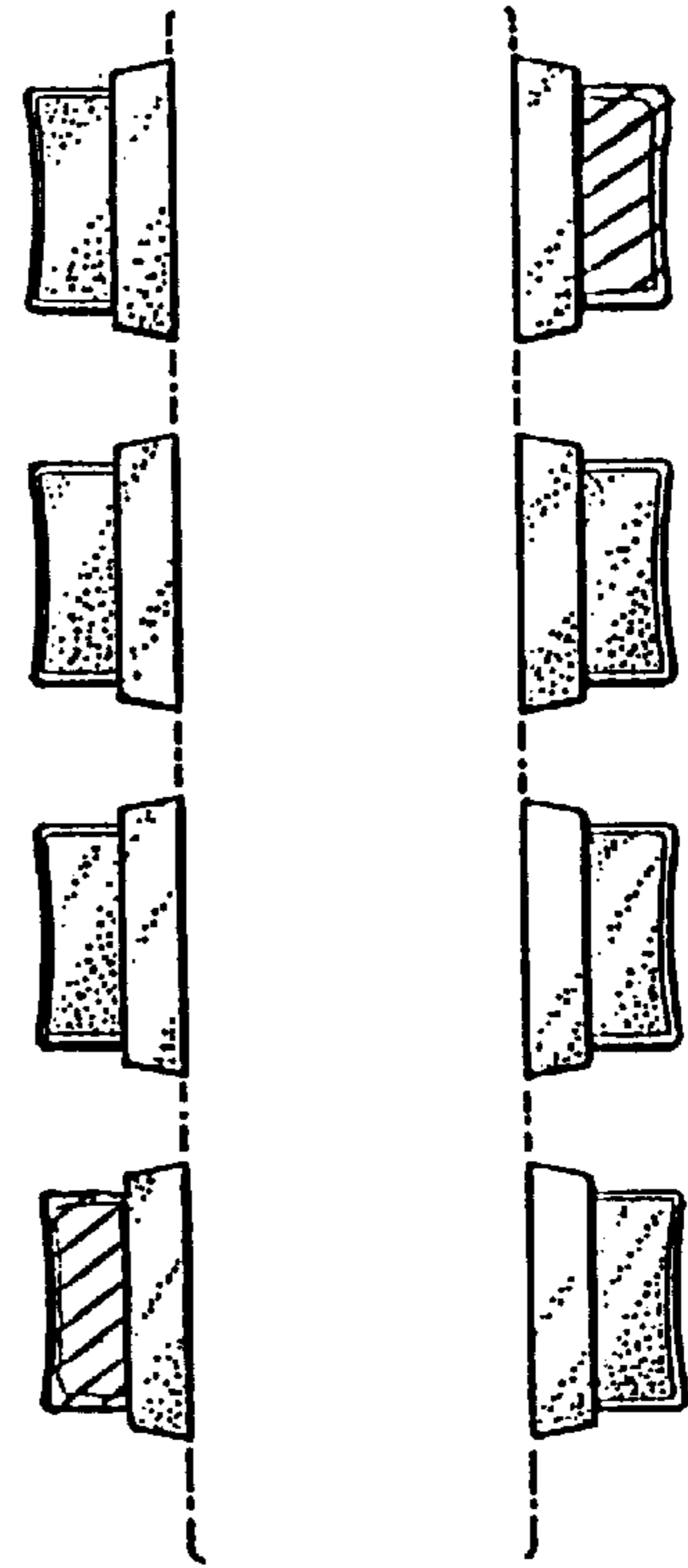


FIG. 32 FIG. 33



FIG. 34



FIG. 35