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MACHINE NO. I.

This machine is operated like a normal Teletype and the slip is always in plain text. The line signals from this machine operate Machine No. 2.

OPERATING INSTRUCTIONS

1. See that the Send-Rec. switch on the table is set at SEND.
2. Set up the key word on the mixer.
3. Both machines will write identical plain text if the green lights are not burning.
4. To make No. 2 write cipher; strike Figure Shift-F-Letter Shift. The green lights will light in both machines and the stuff on No. 2 tape will be in five character cipher groups.
5. To make No. 2 write plain text again; strike Figure Shift-J-Letter Shift. The green lights will go out in both machines and the stuff on No. 2 tape will be plain text and identical with that on No. 1.

MACHINE NO. 2.

This machine is operated like a normal Teletype when the green light is not burning. But when the green light is burning, the keyboard operation is different, as will be explained.

OPERATING INSTRUCTIONS

1. See that the Send-Rec. switch on the table of No. 1 is set at REC.
2. Set up the key word on the mixer.
3. Both machines will write identical plain text if the green lights are not burning.
4. To prepare to write cipher on No. 2; strike Figure Shift-F-Letter Shift. The green lights on both machines will light.
5. The cipher groups consist of the twenty-six letters and the figures from 2 to 7 inclusive. The "stunt" keys and space bar bear these numbers. As soon as the green light shows, start copying the cipher, without initial spacing or spacing between groups. The machine does the group spacing automatically.
6. When 2 appears in the cipher, strike fig. shift at left of board.

When 3 appears in the cipher, strike space bar.

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(MACHINE NO. 2.)

When 4 appears in the cipher, strike let. shift at right of space bar.

When 5, 6, or 7 appears in the cipher, strike the appropriate numbered key on the right of the board.

7. When you finish copying the cipher, the green light will go out automatically and the machine is now a normal teletype.

#### TROUBLE AND ERRORS

1. If you strike a wrong key, go right ahead. It only means one wrong letter in the plain text of No. 1.
2. The cipher slip from the printer should be identical with the receiver slip as to make up of groups. If you have dropped a letter or added one, you can correct your error by adding a letter or dropping one as the case may be. The plain text on No. 1 will be pried until you correct your error.
3. If the green light does not go out at the end of the cipher, strike the space bar (3) once or twice.
4. If it does not go out then or if you want to put it out for any reason, turn to No. 1, throw the Send-Rec. switch to SEND and strike Figure Shift-J-Letter Shift on No. 1 keyboard.