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ENIGMA WIRINGS

Name of Machine: COMMERCIAL ENIGMA (MODEL D)

Source: 7; 56 (p. 1, 2, 5)

The Model D Cipher Machine was manufactured in Germany by Chiffriermaschinen A.G. and was sold commercially. It has three interchangeable wheels and a reflector. The 26 electrical contacts on the right side of the wheels are wired in random fashion to a corresponding number of contacts on the left side of the wheels. The reflector is wired on the right side only, the 26 contact points being wired to each other in mixed order to form 13 reciprocal pairs.

The wiring that follows is that of the wheels as sold commercially.

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ENIGMA WIRINGS

Name of Machine: COMMERCIAL ENIGMA (MODEL D)

Endplate Sequence:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z (Endplate)
Q W E R T Z U I O A S D F G H J K P Y X C V B N M L (Keyboard)

Rotors:

- I. A B C D E F G H I J K L M N O P Q R S T U V W X / Y Z
 H R W Y I P C G V X L A F U J B K O D T S M Z N Q E
- II. A B C D / E F G H I J K L M N O P Q R S T U V W X Y Z
 S E W Y M G D L O I U B T X K V J P A F Z C N H R Q
- III. A B C D E F G H I J K L M / N O P Q R S T U V W X Y Z
 L V A D Z P C G Y B H X Q S U E T K F I J W M O R N

Reflector: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
 I M E T C G F R A Y S Q B Z X W L H K D V U P O J N

Notch patterns are indicated by /

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ENIGMA WIRINGS

Name of Machine: K ENIGMA (K-234)

Source: 6f (p. 1-2)

The machine known as the K Enigma is considered to be an improved version of the Commercial Enigma. It was used in Germany by commercial firms, the Post Office, the Railways, and miscellaneous governmental agencies. As such it employed three wheels, having one notch each, a fixed reflector and endplate. The K differed from the A Commercial machine only in the attachment of the turnover; in the A, this was on the wheel; in the K, it was on the ring.

The wiring that follows is of the K-234. This machine was captured at either Penang or Sabang by the British in 1945. Since GC&CS did not want the machine, it was released to the U.S. on request.

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Name of Machine: K ENIGMA (K-234)

Endplate Sequence:

 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z (Endplate)
 Q W E R T Z U I O A S D F G H J K P Y X C V B N M L (Keyboard)

Rotors:

- I. r. A B C D E F G H I J K L M N O P Q R S T U V W X / Y Z
 1. G W D Y U O J E A T R H Z C N Q B V L K S P I F M X

- II. A B / C D E F G H I J K L M N O P Q R S T U V W X Y Z
 Q L T J X E A R W N V P K I D H C U O B Z S Y G F M

- III. A B C D E F G H I J K L / M N O P Q R S T U V W X Y Z
 X P G N K M W D S H C U F E B Y L Q A I V R Z O J T

Reflector: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
 F Q E K C A R U J I D Z S W Y X B G M V H T N P O L

Notch patterns are indicated by /

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