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SIDE NUMBERS FOR CIPHER DEVICES, MACHINE, ETC.

FOLDER NO.	TYPE NO.	Description	Inventors	U.S. Patent Application Serial No.	Date	U.S. Patent No.	Date of Issue
5	M-134-T1	Single-commutator, Key tape controlled, key-board and light indicating cryptograph. Two models built. One in SSA museum; other was "cannibalized" for parts.	Friedman and Graham	588,344	1-23-32	2,028,772	1-28-36
6		Message Authenticating System. A keyboard, a perforated-card key control, an adding machine mechanism.	Friedman	28,500	6-26-35	2,080,416	5-18-37
7	M-134-T2 <u>Secret</u> (This was finally issued as M-134 and M-134A)	Cryptographic System. Multiple commutators controlled by Baudot tape. Three preliminary models built; a total of 75 machines built by Wallace & Tiernan	Friedman	682,096	7-25-33	Complete assignment to Sec. War made 10-9-36 with license reserved to inventor	Secrecy Order dated 19-5-47 signed by me 2-6-47.
7-A	ditto	Second folder					
8	<u>Secret</u>	Modification in SIS #7 (M-134-T2). Replaces key tape by system of cam wheels.	Friedman	107,244	10-23-36	Complete assignment made 11-4-38 with license reserved to inventor	Secrecy Order 19-5-47 signed by me 2-6-47

FOLDER NO.	TYPE NO.	Description	Inventors	U.S. Patent Application Serial No.	Date	U.S. Patent No.	Date of Issue
9 10		"First modification in M-134-T1." (The commutator is kept in constant rotation); "second and third modification in M-134-T1." (Constantly rotating cipher wheel commutator; a cam wheel mechanism; a translator for combining effects of cam wheels.)	Friedman	157,383	8-4-37	2,139,676 Govt. has license	12-13-38
11	<u>Secret</u> M-134-C (Navy: ECM)	Internally (self controlled set of cipher-wheel commutators. Basic patent on ECM-SIGABA	Friedman and Rowlett	70,412	3-23-36	Complete assignment made to Sec. War 4-2-36-- <u>but license is retained by inventors</u>	Secrecy Order dated 19-5-47 is signed by me <i>Conf. with license</i> 2-6-47
11-A	ditto	Second folder					
12	<u>Secret</u>	Cryptanalytic Coincidence Counter					
13	<u>Secret</u>	Cryptanalytic Idiomorph and Isomorph Locator	Friedman				
14		Magnetic recording cryptograph	Friedman & Miller				
15 & 16	M-138 M-138-A and modifications	Sliding strip cipher device	Friedman	300,212	10-19-39	2,395,863 Reversionary assignment made to Sec. War 10-16-39	5-3-46 (This was under Public Law No. 600)

FOLDER NO.	TYPE NO.	Description	Inventors	U.S. Patent Application Serial No.	Date	U.S. Patent No.	Date of Issue
17		System for enciphering telephotos	Friedman	478,193	3-6-43	Assignment made to Sec. War 18-10-43.	15 May 1957 #2,552,548
18		System for enciphering telephotos	Friedman & Mauborgne	478,868	3-12-43	2,465,367	dated 29 Mar 49 Assignment made to Sec. War 18-10-43
19		System for controlling intermittent action of key tape transmitters	Friedman				
20		Cipher System for Teletype or Radiotype, using I.B.M. perforated cards	Friedman				
21		Means for controlling displacements of cipher commutators	Friedman				
22		Recording device	Friedman				
23		Randomizing device for electric card sorter.	Friedman & Rowlett	36,868	8-19-35	2,166,137	7-18-39
23-A		ditto					
24	M-325	Small (Stylus-operated) cryptograph	Friedman	549,086	11-8-44	Reversionary (old date 12-6-41) assignment to Sec. War 1-8-44.	Secrecy Order dated 15-5-47 signed by me 2-6-47

FOLDER NO.	TYPE NO.	Description	Inventors	U.S. Patent Application Serial No.	Date	U.S. Patent No.	Date of Issue
25		Authenticating Device for Banks	Friedman	551,172	6-12-44	Reversionary assignment to Sec. War 23-8-44	
26		Cryptographic Machine	Friedman, Graham & Evans	(Abandoned 1927)			
27		Strip Cipher System for authenticating banking messages	Friedman				
28		Method of commutator control	Friedman & Graham				
29	M-228	Cryptographic system for printing telegraphy	Friedman & Rowlett	443,320	5-16-42	Reversionary assignment made to Sec. War. <i>Govt has license only</i>	13-5-42 Secrecy Order dated 16-5-47 signed by me 2-6-47
30		Authentication Device (clock-control)	Friedman & Rosen				
31		Indicating Device	Friedman				