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## SIGNAL CORPS PATENT BOARD

April 17, 1936.

## MEETING NO. 2

I. 1. The Board met at 2:30 P. M., this date, in Room 3435, Munitions Building. Present: All members.

2. The Purpose of this meeting was to take action and make the necessary recommendations with reference to inventions of William F. Friedman. Said inventions relate to improvements or modifications in mechanical cipher devices, "Converters M-134-T1 and M-134-T-2".

3. The Board finds that:

a. The invention of Mr. Friedman covering a modification in Converter type M-134-T1 is a modification of an invention of Messrs. William F. Friedman and George A. Graham, Patent #2,028,772 (January 23, 1936).

b. The patent referred to above was granted by the Commissioner of Patents under authority contained in Section 4386 of the Revised Statutes and that the War Department was given a non-exclusive license thereto and that the War Department did not request a complete assignment.

c. The Board recommends:

(1) That the action proposed by Mr. Friedman in paragraph 2 of his memorandum of March 24, 1936, to Research and Development Division (THROUGH War Plans and Training Division) be approved, and that Mr. Friedman be instructed to submit specifications to the Patent Section for the necessary action with a view to obtaining Letters Patent.

(2) That the invention be not considered important in the National Defense, and that a non-exclusive license to the Government, in writing, be required.

II. 1. The Board finds that:

a. The invention of Mr. Friedman covering modifications in a cipher device known as, "Converter M-134-T2, covers improvements in a device now being prosecuted under patent application #682,096, and under which several claims have been allowed.

b. Whereas, the original invention was not considered of such importance as to be placed in the category which provides for its being kept secret, the improvements described in the description accompanying his memorandum of March 23, 1936, to Research and Development Division, through War Plans and Training Division, are considered as, "Important in the National Defense".

**g. The Board recommends:**

(1) That the application for patent covering modification in Converter M-134-T2 be prosecuted under the provision of Section 4886 of the Revised Statutes;

(2) That, under the provisions of paragraph 6 a, AR 350-50, December 31, 1934, a complete assignment be requested, and,

(3) That the invention be kept secret.

Roger B. Colton,  
Lieut. Col., Signal Corps,  
President.

George I. Back,  
Captain, Signal Corps,  
Member.

W. S. Bumbough,  
Major, Signal Corps,  
Member

Walter C. Ellis,  
Major, Signal Corps,  
Recorder.

APPROVED:

J. B. Allison,  
Major General,  
Chief Signal Officer of the Army.

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2. The purpose of this meeting was to take action and make the necessary recommendations with reference to inventions of William F. Friedman. Said inventions relate to improvements or modifications in mechanical cipher devices, "Converters M-134-T1 and M-134-T-2".

3. The Board finds that:

*Continuously  
re-iterated  
what?*

a. The invention of Mr. Friedman covering a modification in Converter type M-134-T1 is a modification of an invention of Messrs. William F. Friedman and George A. Graham, Patent #2,028,772 (January 23, 1936).

b. The patent referred to above was granted by the Commissioner of Patents under authority contained in Section 4886 of the Revised Statutes and that the War Department was given a non-exclusive license thereto and that the War Department did not request a complete assignment.

c. The Board recommends:

*date OK?  
J.H. 5-1*

(1) That the action proposed by Mr. Friedman in paragraph 2 of his memorandum of March 24, 1936, to Research and Development Division (THROUGH War Plans and Training Division) be approved, and that Mr. Friedman be instructed to submit specifications to the Patent Section for the necessary action with a view to obtaining Letters Patent.

(2) That the invention be not considered important in the National Defense, and that a non-exclusive license to the Government, in writing, be required.

II. 1. The Board finds that:

a. The invention of Mr. Friedman covering modifications in a cipher device known as "Converter M-134-T2, covers improvements in a device now being prosecuted under patent application #682,096, and under which several claims have been allowed.

*Attended  
by 17*

b. Whereas, the original invention was not considered of such importance as to be placed in the category which provides for its being kept secret, the improvements described in the description accompanying his memorandum of March 23, 1936, to Research and Development Division, through War Plans and Training Division, are considered as, "Important in the National Defense".

g. The Board recommends:

(1) That the application for patent covering modification in Converter M-134-T2 be prosecuted under the provision of Section 4886 of the Revised Statutes;

(2) That, under the provisions of paragraph 6 a, AF 850,50, December 31, 1934, a complete assignment be requested, and,

(3) That the invention be kept secret.

Roger B. Colton,  
Lieut. Col., Signal Corps,  
President.

George I. Back,  
Captain, Signal Corps,  
Member.

W. S. Rumbough,  
Major, Signal Corps,  
Member

Walter C. Ellis,  
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Major General,  
Chief Signal Officer of the Army.