STANDARD FORM NO. 64

## Office Memorandum united states government

TO : Mr. William F. Friedman. AFSA-OOT

DATE: 2 October 1950

FROM :

Mr. Henry B. Stauffer, AFSA-03A5

SUBJECT:

Hebern Infringement Claim

In order to bring your copy of the report relative to the subject claim into conformity with the revised draft, it is suggested that:

- a. Page 3 of the report should be cancelled, and Inclosure 1 substituted therefor;
- b. Page 13 of the report should be cancelled, and Inclosure 2 substituted therefor;
- c. Page 14 of the report should be cancelled, and Inclosure 3 substituted therefor; and

d. Exhibit B of the report should be amended to include the patent to RYMTOWTT-PRINCE, United States, 17 November 1890, 15 March 1892, 470,871.

Declassified and approved for release by NSA on 09-13-2013 pursuant to E.O. 13526

3 Incls

1. New pg 3 2. New pg 13

HENRY B. STAUFFER
AFSA-03A5

Have ordered an efter copy of things all I will forward it to your when

ballared, therefore, that the claims of this group are not infringed; perhaps, in an occasional laboratory or exhibit device, and it is used for anyphographic purposes in any military equipment except, position. The type of rotor movement covered by these claims is not full revolution, the code wheel of next lower speed is advanced one after each code wheel has made not less than half now more than a duftime it in a somewhat different names, i.e., by specifying that, alignments which are possible. Still others (39 and 41 through 46)

limitations, and are believed not to be infringed; to subject matter similar to that of Claims 6 and 7, contain additional patent to Symbosts-Frince, 470,871, Claims 8 through 15, all directed 1,663,072, is specifically different from that of the SIGFOT, but the well upon the army device. The claims appear to be anticipated by the principles and functions of the two are identical, and the claims read rotate of a cryptographic seas. The construction disclosed in Hebern, the SIUTUI. These claims are directed to a mechanism for stepping the Claims 6 and 7 are probably infringed by a single machine,

the stopping of the several ratemet wheels and code stacks which o. Claims IV through 22 are directed to means for centralling

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k. Claims 56 and 57 are directed specifically to a structure wherein the envotesmenhie rotors are "confillated" as a group to provide a sterwise displacement of one or more of the reters. These claims clearly are not infringed as in none of the machines of Exhibit A are the rotors moved out of their normal axis: and

1. Claim 61 is infringed by the SIGABA. CCH. SIGERAT. and SIGROD. The claim is apparently invalid for functionality. however, and is anticipated by several patents, an example being A. B. Cryptograph (French), 548,093.

6. To recapitulate briefly, this study has indicated that but two of the patents identified in the Hebern claim are partinent to Army cryptographic mechines, these being (Mebern) Nos. 1,683,072, and 1.861.897. These two patents centain several claims appearing to be infringed by one or more military machines; but all infringed claims are reasonably met by prior patents, and additional defenses of functionality and double patenting are available as to some of them. Still further anticipatory material could probably be found by investigation of the early work of the manufacturers of the socalled Enigms in Germany, there being reason to believe that anticipating devices were, in fact, in existence and known to the public more than two years prior to the filing dates of the applications for the patents in question.

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SESHIT

- 7. Contracts covering involved machines have been studied.

  Nost of such contracts contained so-called save-harmless indemnity clauses, but, with one empetion, these clauses relieved the contractors of liability whenever their work was based on definite Government specifications, and this was the usual case.

  The exception is Contract \$2124-sc-16897, for the SIGFOI procurement, and this contract contained no such relief from liability. The contractor was notified of the claim and has already offered assistance in the matter.
- 8. A list of the most significant patents considered in commention with the Hebern claim is appended, Exhibit B.