

No. 724,786.

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S. T. BEVERIDGE.
CIPHER CODE SYSTEM.
APPLICATION FILED JAN. 14, 1903.

NO MODEL.

Fig. 1.

CONSONANT-B - REPRESENTS-1.

"	C	"	2.
"	D	"	3.
"	F	"	4.
"	G	"	5.
"	L	"	6.
"	M	"	7.
"	P	"	8.
"	T	"	9.

Fig. 2.

VOWEL		INDICATES	
"	A	"	Tens.
"	E	"	Hundreds.
"	I	"	Thousands.
"	O	"	Ten Thousands.
"	U	"	Hundred Thousands.
"	Y	"	Millions.

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CIPHER-CODE SYSTEM.

SPECIFICATION forming part of Letters Patent No. 724,786, dated April 7, 1903.

Application filed January 14, 1903. Serial No. 139,026. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN T. BEVERIDGE, a citizen of the United States, residing at Richmond, in the county of Henrico and State of Virginia, have invented certain new and useful Improvements in Cipher-Code Systems; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in cipher-code systems.

The object of the invention is to produce a cipher-code system which can be readily and easily comprehended and used without liability of error in transmission or deciphering the same.

The primary feature of my invention consists in the using of characters to represent numerals and auxiliary characters for indicating the numerical value of the same.

The invention will be hereinafter fully described, partly illustrated in the drawings, and more particularly pointed out in the claims hereto appended.

In the drawings, Figure 1 shows consonants, which I preferably employ, representing the numerals "1" to "9," respectively; and Fig. 2 illustrates the respective position of the vowels as indicating their numerical value when compounded with the consonants.

In the general arrangement or construction of my system I preferably employ the consonants B, C, D, F, G, L, M, P, and T, as illustrated in Fig. 1 of the drawings, to represent the numerals "1" to "9," respectively.

In the drawings, Fig. 2, the vowels A, E, I, O, U, and Y denote the position or numerical value of the consonants when a consonant letter and a vowel are combined—as, for instance, I indicates thousands and G represents 5=IG=5,000.

From the foregoing description and the drawings the general idea of the invention will be comprehended; but a detail explanation will clearly disclose the novel features of my invention.

Vowel A indicates tens or numerical value or position of second consonant from the right of word. Vowel E indicates hundreds or numerical value or position of third consonant

from the right of word. Vowel I indicates thousands or numerical value or position of fourth consonant from the right of word. Vowel O indicates ten thousands or numerical value or position of fifth consonant from right of word. Vowel U indicates hundred thousands or numerical value or position of sixth consonant from right of word. Vowel Y indicates millions or numerical value or position of seventh consonant from the right of word.

It is unnecessary to provide for units or position of first consonant on the right, as it is understood that the consonant ending the word is a unit. Vowels A, E, I, O, U, and Y do not represent figures. They simply show the position of the figure which the consonant represents. Naught (0) is not expressed by any letter, not being necessary. For example, to write 6,004: L represents 6. Thousands (or fourth place) is indicated by the letter I, and 4 is represented by F:—LIF. To write 604: L represents 6. Hundreds (or third place) is indicated by the letter E, and 4 is represented by F:—LEF. To write 64: L represents 6. Tens (or second place) is indicated by the letter A, and 4 is represented by F:—LAF. To write 60,724: L represents 6. Ten thousands (or fifth place) is indicated by the letter O. M represents 7. Hundreds is represented by the letter E. C represents 2. Tens is indicated by the letter A. F represents 4:—LOMECAF.

When necessary to prevent words being too long, divide into two words, being sure to end the first word with the positioning vowel belonging to the preceding consonant. Example, to write 7,843,295: MYPUFO, DICETAG.

It will be apparent that the employment of the consonants, as illustrated in the accompanying drawings, is my own preferred selection; but any of the consonants may be employed to indicate the numerals, and such consonants may be arranged so as to indicate any particular numeral.

Persons possessing a key to my system will be enabled to decipher any communication in their possession, and one of the essential features of my improvements is that a number of figures can be transmitted by telegraphic means and the charges for such transmission will be only for one word, whereas in the or-

dinary transmission each numeral employed is charged as one word.

It will also be apparent that the consonants or the vowels can be indicated by capital and
5 small letters, as may be desired.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A cipher-code system comprising vowels
10 for indicating the numerical value of consonants when combined in words or syllables, substantially as described.

2. A cipher-code system comprising vowels for indicating the numerical value of consonants, said consonants designating numerals
15 when the vowels and consonants are combined in words or syllables, substantially as described.

3. A cipher-code system comprising consonants and vowels for forming words or syllables in which certain letters employed in their position have a fixed value, and the combining of certain other letters in said words or syllables indicate a second value for the first-
25 named letters employed, substantially as described.

4. A cipher code comprising consonants and

vowels in the combining of words or syllables, which consonants represent numerals, the said vowels indicating the numerical value of
30 the said consonants, substantially as described.

5. A cipher-code system comprising certain letters in combining words or syllables and certain letters combined therewith indicating
35 the predetermined value of the other letters used in the combining of the said words or syllables, substantially as described.

6. A cipher-code system comprising characters for representing numerals and auxiliary characters for indicating the relative position of such numerals, substantially as described.
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7. A cipher-code system comprising characters for representing numerals and auxiliary characters for indicating the numerical value of the combination and arrangement of said numerals, substantially as described.
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In testimony whereof I hereunto affix my signature in presence of two witnesses.

STEPHEN T. BEVERIDGE.

Witnesses:

A. K. VEST,

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