

997,890.

Patented July 11, 1911.

Fig. 1.

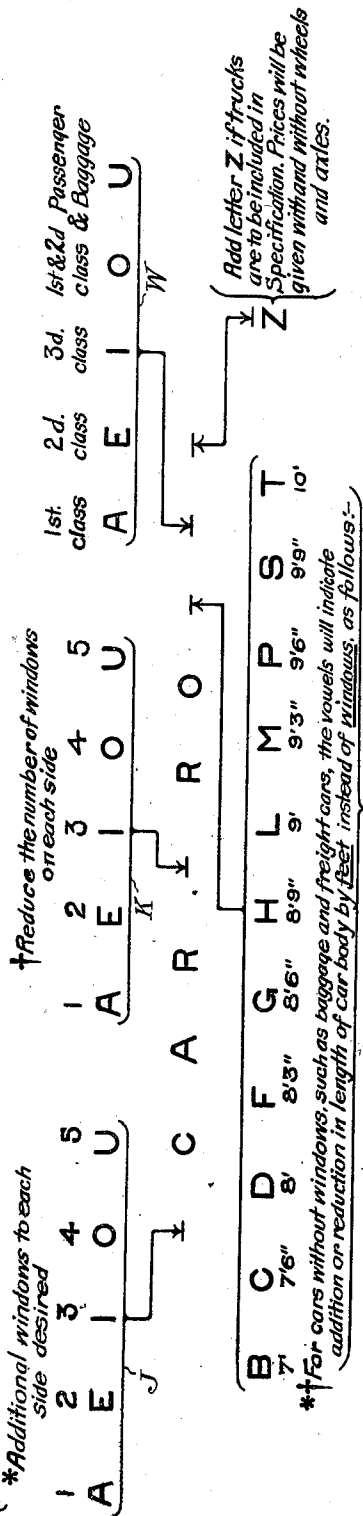


Fig. 2.

C A R O R O D E Z

Fig. 3.

CARRO - Send specifications on car having this code word, the dimensions to be the same as given on page 6.
 CARROZ - Send specifications on car having code word CARRO; include trucks with and without wheels and axles.
 ACARRO - Send specifications on car having code word CARRO; adding one window on each side to the number shown in the illustration.
 CARRODEZ - Send specifications on car having code word CARRO; reduce the number of windows on each side by 4 from the number shown in the illustration; width over side sheathing to be 8 feet; car to be for second class passenger service; trucks to be included in specifications and prices given with and without wheels and axles.

Witnesses:
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UNITED STATES PATENT OFFICE.

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TELEGRAPH-CODE SYSTEM.

997,890.

Specification of Letters Patent. Patented July 11, 1911.

Application filed May 10, 1909. Serial No. 495,106.

To all whom it may concern:

Be it known that I, SAMUEL M. WILSON, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Telegraph-Code Systems, of which the following is a specification.

My invention relates to code systems for use in formulating telegraphic despatches; and the object of my invention is to provide simple forms of word and letter combinations whereby I am enabled to greatly increase the availability and use of a basic code word, which may represent an article of manufacture of a certain character; the additional letters to be used therewith serving to indicate details of construction of such articles.

The improved code system which I have devised, is designed to accompany catalogues of articles, structures or machines of a manufacturer, and to enable a prospective purchaser to cable economically for specifications or other information covering all the important details entering into the construction of such machine or device, with an absolutely clear idea of what he is asking for.

While the code may be employed in connection with many articles of manufacture, it is herein described with reference to cable messages requesting specifications on cars.

It will be understood at the outset that the catalogue, with the accompanying code, illustrates the cars (or other articles) for which specifications are desired, and that each of these illustrations is to be accompanied by a basic code word of a special character. In the present instance, this word is made up of five letters, which may be in the following order: a consonant; a vowel, two consonants, (same letter,) and a vowel. Throughout the system all coined words derived from a basic code word may be identified by taking the first consonant, the vowel following the same, the second and third consonants, and the vowel following such third consonant. Other vowels and consonants employed in connection with such basic code word to form "coined" code words, occupy a definite, predetermined position with respect to the basic code word and the letters of the same, and are indicative of items in connection with the structure, which items may be readily identified

upon reference to printed instructions accompanying the basic code word and the letters employed therewith in making up the "coined" words. Instances of such code words are "Carro", "Fesse", "Salle" and many others of the same character. By placing a vowel before the word, such as "Acarro", inserting a vowel between the double consonants, such as "Cararo", and by adding consonants and vowels at the end of such basic code word, dimensions are indicated for which these vowels and consonants are equivalent. In all instances the resultant word is pronounceable in accordance with the rules of the telegraph and cable companies.

The telegraphic code system forming the subject of my invention is fully described hereinafter, reference being had to the accompanying drawings, in which:

Figure 1, is a diagrammatic view illustrating the manner of using my improved code system, a basic code word being indicated, with the various letters to be associated therewith in building the "coined" code words, together with the legends indicative of their meaning; Fig. 2, represents a "coined" code word, the letters added to the basic code word being indicated in light face, and Fig. 3, represents the basic code word, and words "coined" from the same, accompanied by the messages which such basic and "coined" code words represent.

In the use of my improved code system, I prefer to employ all of the vowels and as many of the consonants as may be necessary to serve the desired purpose. I preferably employ four groups of vowels; each group having a different meaning, and the vowels of one of said groups are to be applied under certain conditions to take the place of the vowels of two of the other groups. Each basic code word ends in a vowel, and the consonants to be employed therewith to add to its meaning follow such vowel ending. In addition a single consonant, preferably the letter Z, may be used to end each basic or "coined" code word for a special purpose.

The groups of vowels are indicated by the letters J, K, W and Y. The vowels of the group indicated at J are designed to be used as prefixes; the vowels of the group indicated at K are designed to be used between the double consonants of the basic code

word; the vowels of the group indicated at W are designed to be used after an added consonant, while the vowels of the group indicated at Y may be used in place of the
5 vowels of groups J and K, under certain conditions as hereinafter set forth.

The following examples will show the manner in which my improved code system is used. Assume, for example, that speci-
10 cations are wanted in reference to a car, the basic code word for which is "Carro". This car, of course, will be illustrated on a certain page of the catalogue, say page 6, for instance, so that if the single word "Carro"
15 is cabled, the recipient of such message will understand it to mean:

"Send specifications on car having this code word, the dimensions to be the same as given on page 6."

20 If to this word the letter "Z" is added, a "coined" word, "Carroz", is produced, having another meaning, which is:

"Send specifications on car having code word Carro; include trucks with and with-
25 out wheels and axles."

By adding a vowel at the beginning of said basic word, the word "Acarro" is coined, which means:

30 "Send specifications on car having code word Carro; adding one window on each side to the number shown in the illustration."

By adding a vowel between the double consonants, and a consonant, a vowel and the letter "Z" to the end of the basic code
35 word, the "coined" word "Carorodez" is produced, which means:

40 "Send specifications on car having code word Carro; reduce the number of windows on each side by 4 from the number shown in the illustration; width over side sheathing to be 8 feet; car to be for second-
45 class passenger service; trucks to be included in specifications and prices given with and without wheels and axles."

In cabling for freight cars which are normally without windows, and for baggage cars which have such windows of regular number and disposition, it may be desirable to ask for specifications for cars differ-
50 ing in length from those illustrated. In such case the vowels of the group indicated at Y may be employed in place of the vowels of the groups indicated at J and K.
55 Where a vowel of group Y is used in the place normally occupied by a vowel of group J it will mean that the car is to be lengthened the number of feet indicated by such vowel. When a vowel of group Y is
60 used in the place normally occupied by a vowel of group K, it will mean that the car is to be shortened by the number of feet indicated by such vowel. To identify this arrangement in the code instructions, an asterisk (*) and dagger (†), commonly em-
65

ployed as reference marks, are used, as clearly indicated in the drawing.

When quantity is to be included, it should follow the basic code word or coined code word, such as "Carro" ten, or 70
"Carro" twenty.

Although I have described and illustrated a basic code word of special construction, it will be understood that a word of the same character, but in which the letters
75 are reversed may be employed. Such words, for instance, as Acoob; Eduur, etc., in which a double vowel is employed instead of a double consonant, may be used in connection with the other features of my
80 system; the groups of letters to be added to the basic code word or their arrangement being altered or changed accordingly.

I claim:

1. A telegraphic code system comprising a
85 basic code word of unvarying construction, and independent groups of letters for use with said basic code word in the production of "coined" code words, said added letters in the coined word from the respective
90 groups occupying at all times the same relative position with respect to each other and to the basic code word.

2. A telegraphic code system comprising a basic code word of unvarying construction, and independent groups of letters comprising the several vowels for use with said basic code word in the production of
95 "coined" code words, said added letters in the coined word from the respective groups occupying at all times the same relative position with respect to each other and to the basic code word.
100

3. A telegraphic code system comprising a basic code word of unvarying construction, and independent groups of letters comprising the several vowels and certain of the consonants for use with said basic code word in the production of "coined" code words,
105 said added letters in the coined word from the respective groups occupying at all times the same relative position with respect to each other and to the basic code word.
110

4. A telegraphic code system including a basic code word, and groups of letters arranged under different headings, the individual letters of each group being adapted for use singly with said basic code word to form pronounceable "coined" code words,
115 and the added letters from the respective groups occupying at all times in the coined word the same relative position with respect to each other and to the basic code word.
120

5. A telegraphic code system including a basic code word of five letters, said word composed of the following letters in the order named: a consonant, a vowel, a doubled consonant and a vowel, and groups of letters arranged under different headings,
125 the letters of each group being adapted for
130

use singly with said basic code word to form pronounceable "coined" words, said added letters comprising vowels and consonants from the respective groups which occupy at all times in the coined word the same relative position with respect to each other and to the basic code word, the vowels and consonants being arranged alternately.

6. In a telegraphic code system, a basic code word having a definite construction including a doubled consonant, and groups of vowels and consonants, the letters of each group being adapted for use singly in connection with said basic code word to form a "coined" word, said vowels and consonants being employed adjacent each other in alternating order whereby a pronounceable word may be coined with the use of the basic code word and any added letters, the added vowels being disposed between consonants and the added consonants being disposed between vowels.

7. In a telegraphic code system, a basic code word having a definite meaning, and groups of letters for addition singly to said basic code word whereby the meaning of the same may be changed depending upon the

position of the letter added thereto, the letters of the respective groups occupying at all times the same relative position with respect to each other and to the basic code word.

8. In a telegraphic code system, a basic code word having a definite meaning, and groups of letters for addition singly to said basic code word whereby the meaning may be changed depending upon the position of the letter added thereto, the letters of the respective groups occupying at all times the same relative position with respect to each other and to the basic code word, the latter containing a doubled consonant and being separable into syllables each containing one of said consonants between which one of the letters of one of the vowel groups may be inserted to form a word having another meaning.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

SAMUEL M. WILSON.

Witnesses:

MURRAY C. BOYER,
WM. A. BARR.