

(No Model.)

W. W. CURRIE.
DUPLEX TIME TICKET.

No. 371,126.

Patented Oct. 4, 1887.

Fig. 1.

Fig. 1.

A (Original)

C

Duplex
Time Ticket

The Time or quantity and price indicated by these tickets only will be recognised and paid for

C

F

Time				Heat																Price																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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UNITED STATES PATENT OFFICE.

WILLIAM W. CURRIE, OF SMITH'S FALLS, ONTARIO, CANADA.

DUPLEX TIME-TICKET.

SPECIFICATION forming part of Letters Patent No. 371,126, dated October 4, 1887.

Application filed December 2, 1885. Serial No. 184,472. (No model.) Patented in Canada January 7, 1886, No. 23,102.

To all whom it may concern:

Be it known that I, WILLIAM W. CURRIE, of Smith's Falls, in the Province of Ontario and Dominion of Canada, have invented a new and Improved Duplex Time-Ticket, (and which has received Letters Patent protection in the Dominion of Canada, the same being dated January 7, 1886, No. 23,102,) of which the following is a full, clear, and exact description.

This invention consists in a duplex ticket to be used as a simple and expeditious means of keeping a correct record of the services of employes in every branch of industry, the employer keeping the original ticket and the employe the duplicate thereof. These tickets being in exact register, the various entries are punched in both tickets simultaneously, so that the duplicate must agree with the original when presented for settlement, as will herein-after be described.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 represents a view of my improved duplex time-ticket, showing the duplicate ticket in full and the back of the original ticket with one corner thereof turned over, showing the column in which the price is printed, and which is in register with the corresponding column printed on the duplicate. Fig. 2 represents a perspective view of a blank partly folded, upon which the various columns of figures are to be printed the same as in Fig. 1, with the word "Original" printed on one ticket and "Duplicate" on the corresponding ticket. Below the word "Duplicate" are printed the words "Duplex Time-Ticket. The time or quantity and price indicated by these tickets only will be recognized and paid for."

This ticket, as represented in the accompanying drawings, is divided into a number of separate columns of figures, with the proper headings thereto, as follows, and is an example of the method of keeping the correct time, price of services, &c., of employes by this invention, and which may be varied to suit the different industries and circumstances where time, price, &c., of employes are to be recorded daily.

In the accompanying drawings, A represents the original and B the duplicate of a ticket,

which is to be folded centrally at C, so that the corresponding columns on the two sides, together with the printing thereon, will register, so that in punching any given figure or number from the original ticket the corresponding figure or number will be punched in the duplicate ticket at the same time. In the arrangement represented in the accompanying drawings the two tickets, original and duplicate, are correspondingly divided into a number of columns, with the several words as headings, and the combinations of figures printed therein, substantially as follows: Column D represents the department in which the employe is engaged, and is designated by having the word "Department" printed at its head, and is subdivided into two columns with figures therein, each column commencing with 0 and ending with 9, and which are to be used as follows: The two columns represent units and tens, so that, as an example, if an employe is engaged in department 43, the 3 will be punched from the column of units and the 4 punched from the column of tens, making the correct number of 43, and so on the combinations may be varied to quickly and accurately designate the department in which the employe is engaged.

The column E, headed by the words "Pay Roll," consists of three separate columns of figures, each column commencing with 0 and ending with 9, in which the number of the employe is to be designated by punching therein his number. This column E is subdivided into three separate columns, and is to be read the same as dollars and cents to determine the number of the employe. For example, if the number of the employe is 432, the 4 will be punched from the first column, the 3 from the second, and the 2 from the third column, the combination producing the proper number, 432, and so on the combinations may be varied to almost any extent desired.

The column F, headed with the word "Time," is to indicate the hour at which the employe commenced his day's work, and is subdivided into two columns, the figures in which advance in arithmetical progression from 1 to 12. At the number 12 the two columns are divided transversely into two sections, each containing the numbers 15, 30, 45, which are to indicate the fractions of an hour divided into quarters,

which may be added to or subtracted from the full hours in computing the number of hours of service performed by the employé, as the case may be. As an example, if the employé commences at seven o'clock and fifteen minutes, the 7 will be punched in the column F, and the fifteen minutes in the upper column, G, to be subtracted in the settlement.

If the employé commences a fraction of an hour before seven o'clock, or continues to work a fraction of an hour after the time to stop arrives, the extra time will be punched in section H of this time-column and added to the number of hours at settlement.

At the foot of the column headed "Time" is printed the word "Heat," which is to indicate the close of the day's labor after the "heat is taken off," and is to be punched. Any other word or words may be substituted therefor, as the case may require, to indicate a full day's work where a given amount of labor is to be performed.

In the column I, headed with the word "Price," with the signs of dollars and cents, and commencing with 0 and ending with 9, the compensation per day of the employé is to be punched. On the right of the column I of whole figures is a column, J, of fractions of a cent, as represented. This column I of whole numbers, with its fractions of a cent, is to be used also where an employé is paid by the piece.

The amount for each piece, dozen, gross, &c., is to be punched the same as if paid a fixed sum by the day, hour, &c.

The column K, reversed in the accompanying drawings, and headed with the word "Quantity," and subdivided into four columns, each column commencing with 0 and ending with 9, is to be used to record work done by the piece, as follows: For example, the number of articles to be recorded being 8,754, figures in the whole four columns would be employed—figure 8 in the first column, 7 in the next, 5 in the next, and 4 in the last or outside column.

The column of figures headed by the word "Extra" is to record the number of extra hours and fractions of an hour of labor performed each day.

The column headed with the word "Piece" is to record the number of hours and fractions thereof required or consumed in producing the number of pieces or quantity, as indicated in that column.

The column headed "Day" is to record the number of hours and fractions thereof made at regular work at so much per diem or hour.

It is quite evident that the figures in the several columns may be changed and others added, as the case may require; and the headings to the columns may also be changed and other headings substituted therefor to suit different employments without departing from my invention.

In using this duplex time-ticket the entries are to be punched therein as above described, and then the ticket separated at C, the duplicate to be given to the employé, and the original to be retained by the employer, whereby each, the employer and employé, may have a corresponding record of accounts, which obviates all misunderstandings, and is a saving of time in keeping such accounts.

A third ticket may be added, if found desirable for any special purpose.

The days on which these tickets are issued may be stamped thereon in the usual manner.

Should the employé desire to leave the employer before the regular pay-day, his duplicate may be handed in, compared with the original, the account paid, and the duplicate retained as a voucher until the account is to be rendered on the regular day of paying, when it will be included.

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

A duplex time-ticket provided in duplicate with a number of subdivided columns, one column having a series of rows of naughts and whole numbers, a second column having rows of naughts, whole numbers, and fractions, the whole numbers of each of said columns increasing in arithmetical progression downward, a third column having three rows of figures, each row consisting of the nine digits and the number 10, and a subdivided column containing in one subdivision, in six rows, the numbers 1 to 12, and in each of two other subdivisions thereof, in three rows, the numbers 15, 30, 45, said columns having certain headings indicative of the value attaching to the numbers or figures contained in the columns, substantially as and for the purpose set forth.

WILLIAM W. CURRIE.

Witnesses:

GEORGE S. CURRIE,
RUFUS C. DREW.