

937,923.

3 SHEETS—SHEET 1.

Witnesses

By

Richard Johnston Esq. Attorney

APPLICATION FILED JULY 13, 1907.

937,923.

Patented Oct. 26, 1909.

3 SHEETS—SHEET 2.

Fig. 2.

RECORD AND MOVEMENT OF CARS RECEIVED AND FORWARDED

EXCHANGES

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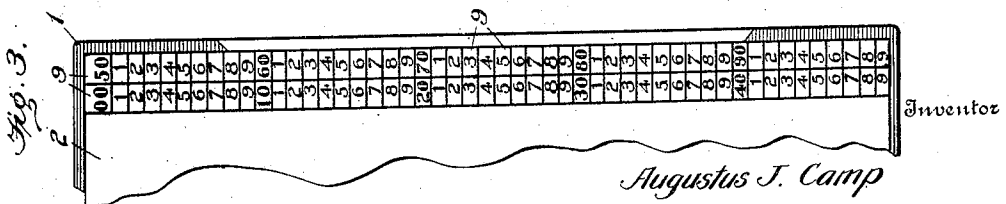
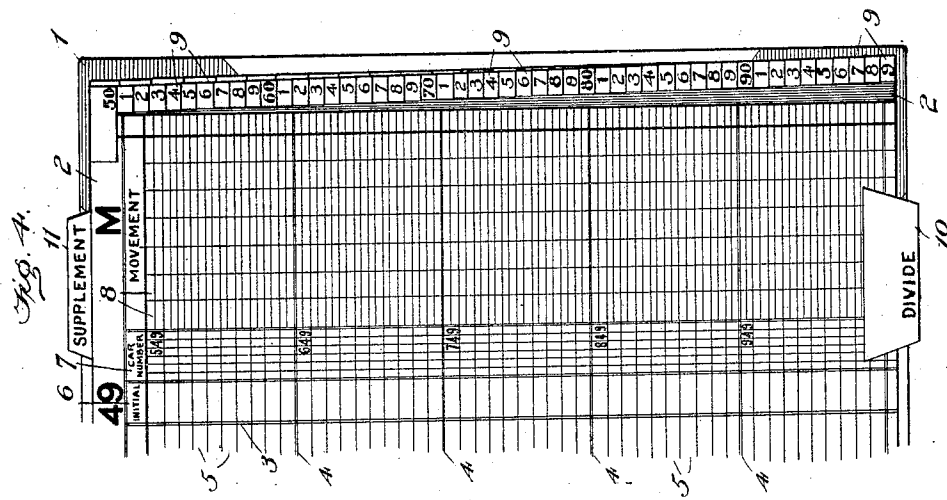
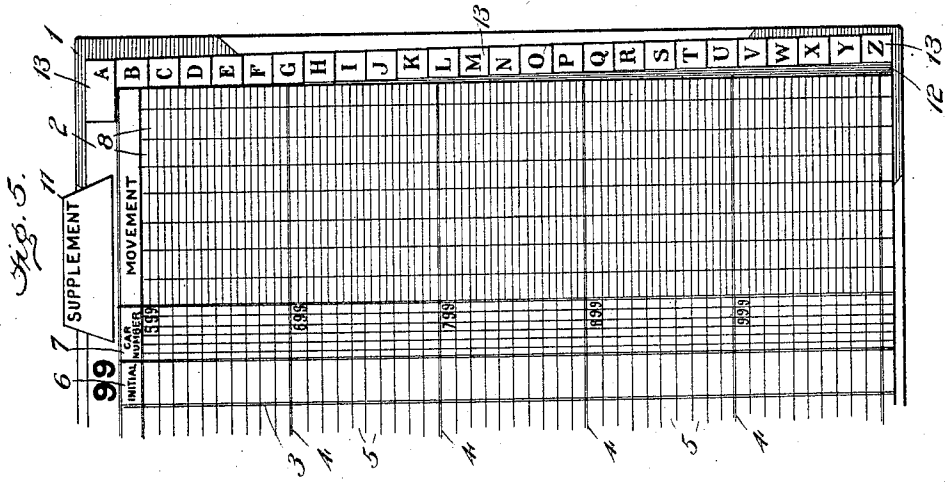
Witnesses

August 1904

A. J. CAMP.
 CAR RECORD BOOK.
 APPLICATION FILED JULY 13, 1907.

937,923.

Patented Oct. 26, 1909.
 3 SHEETS—SHEET 3.



Witnesses
 Edwin L. Bradford
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UNITED STATES PATENT OFFICE.

AUGUSTUS J. CAMP, OF BIRMINGHAM, ALABAMA.

CAR-RECORD BOOK.

937,923.

Specification of Letters Patent.

Patented Oct. 26, 1909.

Application filed July 13, 1907. Serial No. 383,696.

To all whom it may concern:

Be it known that I, AUGUSTUS J. CAMP, a citizen of the United States, residing at Birmingham, in the county of Jefferson and State of Alabama, have invented new and useful Improvements in a Car-Record Book, of which the following is a specification.

My invention relates to record books which are particularly adapted for recording the movements of railroad cars, claims, vouchers, and other documents, all of which have designated numbers or indicia by means of which their movements may be traced from point to point through record books kept for that purpose.

According to my invention, the pages of the record book have printed numerals thereon which are arranged in predetermined succession and designed to represent the terminal numbers of the cars or documents, which are thus indexed by their terminal numbers.

It is of the greatest importance that a book, such as above described, should be provided with supplemental sheets which have predetermined spaces to receive the surplus entries from the original entry sheets, and that some cross referencing or indexing means be provided whereby, after searching or filling the original entry spaces for given indexing numerals, one may quickly turn to the proper supplemental sheet for such further search or entry. The principal object of my invention is to secure such an arrangement and its necessity arises from the fact that the entries to be made do not come in numerical order and the original entry spaces for a relatively small percentage of the groups of terminal numbers may be filled far in advance of the other spaces, therefore, unless practically the same facilities be given for surplus entries under any given indexing numerals, as exist for the original entries, the book will either have to be discarded when half used or become too cumbersome for expeditious handling, time saving and despatch being the essence of my improvement.

A further object of my invention is to facilitate the rapid handling of the book by arranging each series of entry columns headed by the ten groups of numbers having similar terminal numerals, upon adjacent pages so that an index tab, bearing such terminal numerals, may be attached to such sheet or page and used to open the book directly to all such groups.

My invention further comprises the detailed arrangement of data, numerals, and cross referencing indicia, all as shown in preferred form in the accompanying drawings.

Figure 1, is a plan view of my improved record book open to expose the original entry sheets comprising the ten groups of reference numerals from 017 to 917. Fig. 2, is a similar view of the book open to expose the supplemental entry sheets designed to receive surplus entries from the illustrated original entry pages and also the three succeeding original entry pages. Fig. 3, is a detail plan view illustrating the arrangement of the indexing tabs for the original entry pages. Fig. 4, illustrates a middle original entry sheet with its special tab. Fig. 5, illustrates a portion of the last original entry page and shows the indexing tabs for the supplemental sheets.

Similar reference numerals refer to similar parts throughout the drawings.

According to the drawings, I provide a book 1 with original entry pages 2 ruled into vertical columns and horizontal entry spaces and provided with the arrangement of numerals and printed matter best adapted for recording the movements of railroad cars. It will be understood, however, that such an arrangement is merely illustrative and may be widely varied within the spirit of my invention and the scope of the appended claims. These pages 2 are each divided by a vertical line 3 and intersecting lines 4 into ten subdivisions, each of which is ruled so as to present a number of horizontal spaces 5, headed at the left by the words "Rec'd" and "For'd" arranged one above the other in each column. In a vertical column 6 which intersects the spaces 5 of each vertical row of subdivisions at the left thereof and which is headed "Initial", I provide spaces to receive the car initials. Next on the right of each column 6, I provide a column 7 headed "Car number" and subdivided into a plurality of vertical columns, in the last three of which to the right I enter the groups of numerals which are to form the terminal and indexing numerals of the car number entries. Beyond the column 7 the horizontal spaces 5 are divided into two horizontal spaces respectively in line with the words "Rec'd" and "For'd" and which are intersected by vertical lines into a number of vertical columns 8 all under

the general heading "Movements" thus providing a number of entry spaces for the movements of each car. As thus ruled each page presents ten subdivisions for entry spaces, or when the book is opened flat the two pages present twenty subdivisions. The groups of numerals for the column 7 of each pair of subdivisions across the page are similar and therefore the right hand vertical row of subdivisions may be considered as duplicating the left hand row, and there may be one or more of such extra entry subdivisions provided as occasion may require. For the purpose of the arrangement of the numerals however, each page will be considered as having only five separate groups of numerals, the numerals composing each individual group being similar and the numerals of the several groups being arranged in a predetermined order, *i. e.*, by the successive use of the combinations of the numerals from 00 to 99 having prefixed thereto in numerical order the digits from naught to nine inclusive. According to this arrangement each series of ten successive groups, beginning with the first, will be characterized by having the last two numbers similar. For instance in the case of the first series, they will run from 000 to 900, for the last series from 099 to 999. Since there will be ten different groups of indexing numerals on each pair of oppositely facing or consecutive pages, it will be seen that the series including these groups may be characterized and indexed by their common terminal numbers. Thus the first entry sheet carries a projecting tab 9 marked "00". The second sheet has a similar tab positioned slightly below the tab on the first sheet and bearing the numeral "1". The successive sheets have similar tabs until the tenth sheet is reached which has the numerals "10". Following this the tabs for the next nine sheets carry merely the digits from one to nine, the practice being to read these digits with reference to the preceding tab numbered 10 so that the tab marked "9" will open to the pages bearing the series of groups of numerals having the common terminal numerals 19. Preferably the tab marked 00 and each tab representing a multiple of ten will be marked with red numerals and the intervening tabs will have single black digits from one to nine. For convenience in handling, the sheet bearing the terminal numerals 49 has a tab 10 connected to its bottom and bearing the word "Divide". The sheets beyond this are made wider, or the tabs may be made wider so that they project beyond the first row of fifty tabs. The tabs for the last fifty sheets are similarly arranged to those for the first fifty sheets, except that when the book lies flat before the user, the numerals thereon will be visible to the side of the first row of tabs. Numerals are similarly printed on the

reverse face of the tabs, except that the numeral is one less on the rear face than on the front face. Thus as seen in Fig. 1, while the tab on the right hand sheet is marked 8, the tab on the left hand sheet is marked 6. If the right hand tab is pulled by the user, the book will open to the page having the terminal digits 18, which is correct, and likewise if the tab 6 at the left is pulled the book will open to the page having the terminal digits 16. When turned, however, the reverse side of the tab marked 6 will bear the numeral 7, so that by grasping it the book will be opened to the pages shown.

Having thus described the manner of preparing the original entry pages to receive the car movements, I will now refer to the novel arrangement of the supplemental sheets provided for the purpose of receiving the surplus entries after the entry spaces on the original sheets for any given group of terminal numerals, have been filled. To the last of the original entry sheets I attach a tab 11 bearing the word "Supplement," and beyond this I provide a number of sheets 12, preferably twenty-five, having pages ruled and marked just as the original entry pages with the exception that I provide a different arrangement of terminal indexing numerals thereon. Instead of using three terminal numerals for indexing purposes, I use two, these being the combinations of the numerals from 00 to 99, and I devote each vertical row of five subdivisions to similar terminal numerals, *i. e.*, page 1 of the supplement has the spaces 5 of the left hand subdivisions headed by the numerals "00," the columns of the right hand subdivisions are headed by the numerals "01." On page 2, the left hand spaces are headed by the numerals "02" and so on through the supplemental pages to the last row which is headed by the numerals "99." Since the oppositely facing pages of the supplement will present four different groups of numerals, I find it more convenient to index these sheets by using tabs 13 which carry the index letters from A to Z. Each lettered tab will therefore open the book to entry spaces for four different groups of terminal numbers. For cross referencing purposes, the original entry pages carrying the four series of groups distinguished by the two terminal numerals which appear on any pair of supplemental pages, will be marked by the letter corresponding to that on the tab 13 which opens to such supplemental pages. In practice, I place in the upper right hand corner of the right hand original entry pages, as the book stands open, the alphabetical letter corresponding to that on the tab 13 which will open to the group of terminal numbers in the supplement which correspond to the last two terminal numbers on each original entry page. Thus the first four right hand pages

2 bearing the series of groups of three terminal numerals ending with the two terminal numerals 00, 01, 02, 03, carry the letter "A" printed in large black type and
 5 may also have explanatory instructions regarding the alphabetical cross referencing index. By opening the supplement by the tab marked "A" we expose four columns of entry spaces which are respectively headed
 10 by the terminal numerals 00, 01, 02, and 03. In a similar manner, the second four pages 2 carry the letter "B," etc., through all the original entry pages. Obviously other indicia may be used for this cross referencing
 15 purpose, my end being obtained when each original entry page will bear such cross referencing information as to direct the user to the predetermined space for all supplemental entries pertaining to that sheet.
 20 In operation, assuming that it is desired to trace or enter movements of M. & O. car No. 63517, the original entry pages are opened by grasping the tab marked "7" next following the tab having the red figures
 25 "10," and in one of the spaces 5 headed by the group of terminal numerals 517, I enter the initials M. & O. in the vertical column headed "Initial" and in the column headed "Car number" in the two vertical columns
 30 preceding the terminal numerals 517, I insert the numerals 63. In the entry spaces under the columns headed "Movements" in the upper division of each space I make proper entry relative to the receipt of the
 35 car at a given point and immediately below an entry covering its forwarding movement from that point. The successive receiving and forwarding data of this car is thus entered until the space 5 opposite that car
 40 number is filled. If there are no other vacant spaces 5 either in the right or left hand entry subdivisions headed by the terminal numerals 517, it will be necessary to carry the further movements of this car to the supplement. It will be noted that the letter
 45 "E" appears at the upper right hand corner of this sheet. If now the tab marked "Supplement" be grasped and the pages of the book opened to the supplement disclosing its tab index, by grasping the tab marked "E,"
 50 the book will be opened to the supplement page bearing a series of spaces 5, one of which series is headed by the numerals 17. In the first vacant space 5 of this series, under the column headed "Initials," I enter the initials M. & O. and prefix before the numerals 17 in the "Car number" column, the figures 635. I proceed to enter further movements of that car under the entry spaces
 60 in the columns headed "Movements." The arrangement of the entry spaces to receive a number of car movements is important in that it brings all movements under one car number entry, thereby preventing the delay
 65 of separate car number entries for each

movement and the necessity of searching the entire column after the car number in question has once been found.

Obviously within the scope of my invention, the manner of designating the surplus
 70 entry spaces on the supplemental sheets may be varied at will, so long as they indicate the predetermined point for any given surplus entry. Also the arrangement of numerals on the original entry pages may be
 75 varied without affecting the advantages gained by the provisions for surplus entries according to my invention.

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

1. An improved record book comprising a hundred series of groups of entry spaces, each space headed by an indexing numeral of three digits, each series characterized by
 85 the same two terminal digits which are the same throughout said series and the series being consecutively arranged according to the numbers represented by said pairs of digits, the spaces of each group within any one
 90 series being headed by the same three digits, and the first of these digits progressing by groups from zero to nine throughout that series, said book comprising pages containing the above described spaces, in combination with supplemental entry pages having
 95 spaces, each headed by indexing numerals of a lesser number of digits, which spaces are arranged in groups, the indexing numerals being alike throughout any one
 100 group and progressing by groups in numerical order on said pages, indicia on the supplemental pages and identical indicia on the first named pages having indexing numerals ending in like digits.

2. An improved record book comprising entry pages having entry spaces, each space headed by an indexing numeral of three digits, said spaces being arranged in groups, the indexing numerals being alike throughout
 110 any one group, all the numerals on one of said pages ending in the same pair of digits, in combination with supplemental entry pages having entry spaces, each space headed by an indexing numeral of two
 115 digits, said spaces being arranged in groups, the numerals being alike throughout any one group and progressing by groups in numerical order from 00 to 99, printed cross reference means on each of said entry pages,
 120 and each of said supplemental pages, the means upon any one of the supplemental pages being identical with the means upon those entry pages which have numerals ending in a pair of terminal digits found upon
 125 said supplemental page.

3. An improved book comprising main and supplemental entry pages, each pair of oppositely facing main entry pages having
 130 an indexing tab, entry spaces on said pages,

- indexing numerals of three digits each heading said spaces, the numerals being arranged in groups and subdivided into one hundred series of groups, each series being characterized by the same two terminal digits, which are the same throughout any one series and the series being consecutively arranged according to the numbers represented by said pair of terminal digits, each series comprising ten groups, the numerals of any one group being alike in said group and the first of these digits progressing by groups in numerical order, and indexing numerals comprising only two digits each on said supplemental pages and arranged upon the latter in one hundred groups, the numerals being alike throughout any one group and progressing by groups in numerical order from 00 to 99.
4. A book comprising original entry pages ruled into horizontal spaces, each space having at one end thereof a numeral of three digits, the numerals being arranged in groups and subdivided into one hundred series of groups the numerals being so arranged that all the numerals ending in the same two digits are contiguous and those of these numerals in which the remaining digit is the same come together, the sets of numerals in which all three digits are alike being so placed that the third digits follow in numerical order from set to set and each set of numerals in which the two terminal digits are alike being so placed that the numbers expressed by these terminal digits follow from series to series in numerical order, and supplementary entry pages, indexing numerals of two digits each on said supplemental pages and arranged in groups, the numerals being alike in any one group and progressing by groups in numerical order.
5. A book comprising original entry pages ruled into horizontal spaces, each space having at one end thereof a numeral of three digits, the numerals being arranged in groups and subdivided into one hundred series of groups the numerals being so arranged that all the numerals ending in the same two digits are contiguous and those of these numerals in which the remaining digit is the same come together, the sets of numerals in which all three digits are alike being so placed that the third digits follow in numerical order from set to set and each set of numerals in which the two terminal digits are alike being so placed that the numbers expressed by these terminal digits follow from series to series in numerical order, sup-

plemental entry pages, indexing numerals of two digits each on said supplemental pages and arranged in groups, the numerals being alike in any one group and progressing by groups in numerical order and an indexing tab on each of said first named pages and having indicia on its opposite faces, the indicia on the upper face of said tab being identical with the last two terminal digits of each group on the succeeding page, the indicia on the lower face of said tab being identical with the last two terminal digits of each group on the preceding page.

6. An improved record book of the class described, comprising one hundred entry pages, each having a plurality of indexing numbers of three digits each, thereon, the two terminal digits of the numbers on each successive page progressing in numerical order from 00 to 99, the indexing numbers on each page being subdivided into ten sections, the numbers being alike in any one section and the first of said three digits progressing by sections in numerical order from 0 to 9, the first indexing number in each section being printed in bolder type than the other numbers in such section, an indexing tab on each page and being marked with identical terminal digits of the indexing numbers on the latter, said tabs being arranged in two parallel rows and the tabs of one row extended beyond the tabs of the other row to expose the numerals on each and all of said tabs, in combination with supplemental entry pages, each having indexing numerals thereon of two digits each, to receive surplus entries from the first named pages, suitable indexing tabs on said supplemental pages, and indicia to cross reference between the original and supplemental pages.

7. The combination with a plurality of successively designated pages, of an indexing tab fixed to each of said pages, and indicia on the upper and lower faces of the tabs, the indicia on the upper face of each tab being identical with the designation on the succeeding page with respect to said tab, the indicia on the lower face of each tab being identical with the designation on the preceding page with respect to said tab.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

AUGUSTUS J. CAMP.

Witnesses:

A. L. PEACE,
NORMA WELSH.