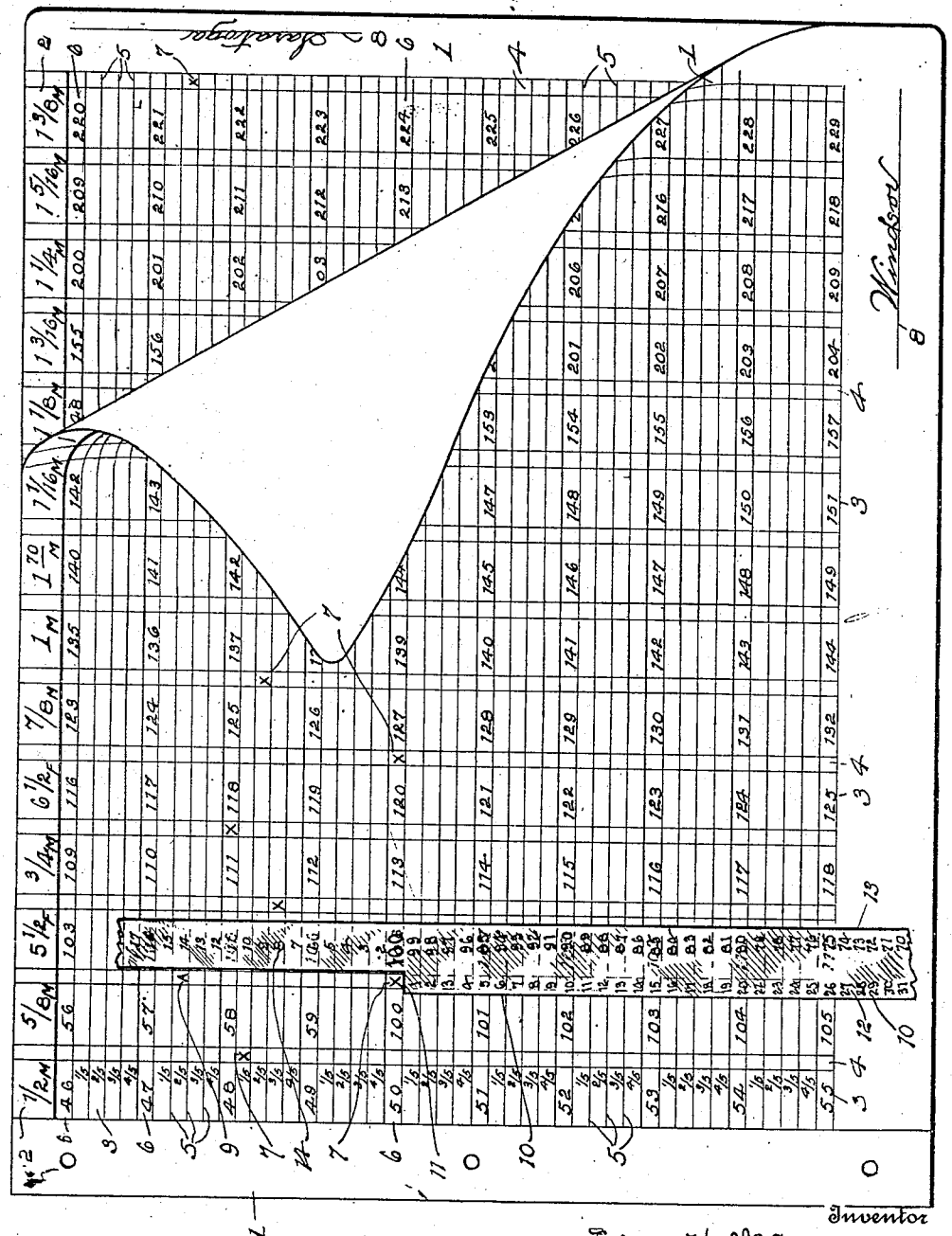
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Feb. 13, 1923. 1,445,095

J. H. McCARTY

RACE COURSE TIME RECORD

Filed Jan. 10, 1921



Inventor

John H. McCarty

By Barnhart & Bishop

Attorney

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UNITED STATES PATENT OFFICE.

JOHN H. McCARTY, OF DETROIT, MICHIGAN.

RACE-COURSE TIME RECORD.

Application filed January 10, 1921. Serial No. 436,071.

To all whom it may concern:

Be it known that I, JOHN H. McCARTY, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Race-Course Time Records, of which the following is a specification, reference being had therein to the accompanying drawings.

In order that comparisons may be made between the time records made upon several race tracks so that by such a comparison a person may know just how much faster time may be made upon one track than upon another, due to track conditions, it is desirable to have a track record of the several tracks showing the best time which has been made upon each track over courses of different lengths. It is also desirable to provide suitable handy means for comparing the best time record made by a single horse upon a particular track with the best record made upon any other track, so that a person may see at a glance just what the performance of the horse should be upon the particular track, taking into consideration the difference in track conditions.

The object of this invention is to provide a handy track record for several race tracks upon which record the best time made upon each track may be readily recorded, and a comparison made between the several records to determine the number of points of difference between the several tracks, due to track conditions.

A further object is to provide a suitable arrangement of data upon data sheets together with means which may be readily applied thereto to show at a glance the number of points or the percentage of difference between one track and another, due to track conditions.

With the above and other ends in view, the invention consists in the matter hereinafter set forth, and more particularly pointed out in the appended claims, reference being had to the accompanying drawing in which:

The figure shows data sheets with means applied thereto for the purpose of showing at a glance a comparison of the track data upon one sheet with that of another to disclose the difference in time records due to track conditions.

The arrangement of data upon the data sheets shown in the drawing relates particularly to running races, the data upon each sheet being arranged in vertical columns with a heading for each column indicating the length in furlongs, miles or fractions thereof of the several races, miles being indicated by the letter "M" and furlongs by the letter "F". These headings for the several vertical columns are indicated upon a data sheet 1 in a horizontal column extending across the top of the sheet, as at 2, the length of each race or the length of the course being indicated by suitable figures as "½" indicating a half mile; "⅝" indicating five-eighths of a mile; "5½" indicating five and one-half furlongs, etc., through the range of the various lengths of the races commonly run. In each vertical column directly below each heading is placed figures indicating time and the time is divided into seconds and fifths of a second. For convenience the sheet is divided into even spaces by lines running horizontally across the sheet and each space indicates one-fifth of a second longer time than the space next above.

Vertical lines upon the page divide it into the several vertical time columns 3 with a narrow blank column 4 between adjacent columns. The several time columns are then divided into separate spaces by horizontal parallel lines 5 extending across the sheet and these several spaces in each time column are numbered to indicate seconds and fractions thereof. The numbers at the head of each column indicate a number of seconds which is less than the best time ever made on any track for the distance indicated in the heading 2 at the top of the column. For instance, as indicated in the drawing, the time indicated at the head of the one-half mile column is forty-six seconds and each space 3 of the column below this figure indicates one-fifth of a second more than the preceding space. Therefore the numbers 6 indicating full seconds are placed four spaces apart down the length of the column and numbered consecutively as "46, 47, 48," etc., with the intermediate spaces between these numbers marked "⅕; ⅖; ⅗; ⅘." In the intermediate or blank column 4 following each of the time columns 3, may be placed a suitable mark "X" as indicated at 7 and this mark will indicate the best time which has ever been made upon the particular race track, the name of which is indicated at 8 on the margin of the sheet, for

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the particular distance indicated at 2 at the head of the column, as for instance in the one-half mile column opposite the time "48⅕" is placed an "X" which indicates that the best time record for one-half mile upon the Windsor track is 48⅕ seconds. A separate sheet is provided for the record of each race track and the name of the track is indicated upon the margin of the sheet.

It may also be desirable to indicate in the blank columns 4 the best record which has ever been made upon any track or what is known as the "All American Record," by placing a suitable indicating mark as "A" indicated at 9 on the drawing.

In order that comparisons may be quickly made between the track conditions of the different race tracks and the number of points or percentage of difference in track records, due to track conditions ascertained at a glance, a strip 10 of suitable material which is preferably transparent, such as celluloid, is provided and this strip is formed with a notch 11 in one edge. A series of consecutive numbers, as "1, 2, 3, 4," etc., is arranged in a vertical column 12 along one edge of said strip in spaced relation, corresponding to the spacings of the horizontal lines 5 on the record sheet, the numeral "1" indicating the first space below the notch or shoulder 11, and so on down the length of the strip. Opposite the shoulder 11 is placed the numeral "100", indicating 100%, and opposite each number in the column 12 is placed figures indicating the relation in percentage which the time indicated by the numbers in the column 12, bear to a certain selected time record which is indicated as 100%. This percentage column is indicated at 13. A column of figures 14 is placed on the upper end portion of the strip to number the corresponding spaces between the lines 5 on the record sheet, consecutively upward from the notch 11, as "2, 3, 4" etc.

In order to compare one record sheet with another for the purpose of quickly determining the difference in time records, due to track conditions, the strip 10 is placed upon the record, with the notch 11 adjacent the mark 7 in the blank column 4 which indicates the best time which has ever been made upon the particular race track over a course of a length which is indicated at the head of the vertical column 3 to which the indicating mark is applied. For instance, as shown in the drawing, the strip is applied to the column having the heading "⅝" and as indicated by the mark "X" the best time which has ever been made over a distance of five-eighths of a mile upon the Windsor track is one minute, flat, which is indicated on the drawing as "100". The strip 10 is therefore placed upon the sheet with the notch 11 directly below this indicating mark, and then by turning to the record sheet of the track which it is desired to compare with the Windsor track, the best time for five-eighths of a mile upon that particular track is ascertained, and for the purpose of illustration, it may be presumed that such time record so ascertained is "101⅗" or one minute, one and three-fifths seconds. Glancing at the strip 10 as it is applied to the record sheet of the Windsor track, it will be noted that the time "101⅗" lies opposite the numeral "8" in the column 12 upon the indicating strip. This will show that the compared track is eight points slower than the Windsor track, or compared in percentage, the Windsor track being taken as the standard, would be 100% and the record of the other track would be 92%, as shown in the percentage column 13 on the indicating strip. This will indicate to the person that the compared track is eight points slower than the Windsor track or 92% as fast, due to the difference in track conditions.

If the record for ⅝ of a mile upon, say the Saratoga track, is "58⅗," it will be noted at a glance that the Saratoga track is eight points faster than the Windsor track because the numeral "8" in the column 14 on the indicating strip comes opposite the time space in which the time "58⅗" seconds is indicated. A comparison of the Windsor track with the best time made in five-eighths of a mile upon any track, or the "All American Record", will be quickly seen by noting that the indicating mark "A" is opposite the numeral "14" in the column 14 which would indicate that the Windsor track is 14 points slower than the "All American Record" and the relation in percentage which the Windsor track record bears to the "All American Record" may be quickly determined by moving the indicating strip up the column to bring its shoulder 11 beneath the indicating mark "A", when it will be noted that the Windsor track record of "100" or one minute flat, appears opposite the numeral "13" in the column 12, and that the percentage value indicated by the numeral 13 is "87" in the percentage column 13. The Windsor track is therefore 87% as fast as the best record ever made.

Knowing the best time which any particular horse has made upon any track, it is therefore easy to determine what time he should make upon any other track, as for instance, if he has made ⅝ of a mile in fifty-nine seconds, flat, upon the Saratoga track he should make upon the Windsor track ⅝ of a mile in fifty-nine, plus the number of points which the Windsor track is slower than the Saratoga track. In other words, by determining the difference in speed rec-

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ords of two race tracks compared, which difference is due to track conditions, and knowing what the horse's record has been, it is easy to determine what time he should make on any particular track, the weather and other variable conditions being the same as in the previous races run by him.

The particular arrangement of the data upon the data sheets is such that an accurate time record may be easily kept, it being only necessary to place an indicating mark 7 in the blank column opposite the particular time indicated in the particular time column 13 underneath the heading 2 which indicates the length of the race. By the use of the strip 10 the comparison of the time records of different race tracks may be made at a glance and the owner of a string of horses can eliminate the factor of track conditions in considering the time which any one of his horses should make upon any particular track, and further, if he so desires, he may keep an accurate record of the best time which any of his horses has made upon any of the different tracks, by placing a distinctive mark within the blank column 4 opposite the time indication in the column 3 which corresponds to the time the horse has made. He is therefore, enabled to see whether or not any one of his horses is improving and have an accurate check on the performance of his horses. If he did not know just how slow one track was compared with another, he might come to the conclusion that his horse was falling behind in his record when in reality he might be gaining. This record system, is therefore of great benefit and importance to breeders and owners of racing animals.

What I claim is:—

1. A race course record comprising a record sheet having the name of a race course thereon and a plurality of time columns with each column provided with a heading indicating distance, said columns being divided into spaces and each space marked to indicate seconds or fractions of a second, and indicia on the sheet indicating the best time made for the distance indicated in the heading upon the course to which the sheet refers, whereby the number of points of difference in speed between different tracks due to track conditions may be determined by the position of said indicia relative to the position of the markings in said time columns which correspond to the best time made upon another track.

2. A race course record comprising a record sheet having the name of a race course thereon and a plurality of time columns with each column provided with a heading indicating distance, said columns being divided into spaces and each space marked to indicate seconds or fractions of a second, and indicia on said sheet indicating the best time made for the distance indicated in the heading upon the course to which the sheet refers, and means adapted to be applied to said sheet, to indicate the number of points of difference in speed, due to track conditions, between the track, the record of which is indicated upon said sheet, and another track, the time record of which is known.

3. A race course record comprising a record sheet having the name of a race course thereon and a plurality of time columns with each column provided with a heading indicating distance, said columns being divided into spaces and each space marked to indicate seconds or fractions of a second, and indicia on said sheet indicating the best time made for the distance indicated in the heading upon the course to which the sheet refers, and a strip having indicia thereon and adapted to be applied to said column to show the number of points of difference in speed due to track conditions between the track, the record of which is indicated upon said sheet, and another track, the time record of which is known.

4. A race course record comprising a record sheet having the name of a race course thereon and a plurality of time columns with each column provided with a heading indicating distance, said columns being divided into spaces and each space marked to indicate seconds or fractions of a second, and indicia on said sheet indicating the best time made for the distance indicated in the heading upon the course to which the sheet refers, and a finder strip adapted to be applied to the columns of the sheet, said strip being provided with numbers arranged in a vertical column in numerical order with the lowest number at the top and also provided with a vertical column of figures placed adjacent the first column, said strip being adapted to be applied to said sheet with the lowest number of its first column oposite the space below the indicia on the sheet which indicates the best time made on that track, whereby the number of points of difference in speed due to track conditions, between the track, the record of which is recorded upon said sheet and the known record of another track is indicated by applying said strip to the columns upon said sheet.

5. A race course record comprising a record sheet having the name of a race course thereon and a plurality of time columns with each column provided with a heading indicating distance, said columns being divided into spaces and each space marked to indicate seconds or fractions of a second, and indicia on said sheet indicating the best time made for the distance indicated in the heading upon the course to which the sheet refers, and a finder strip having a notch adapted to be applied to any one of the columns on said sheet with the notch adjacent

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the indicia indicating best time, said strip being provided with columns of numbers spaced vertically to correspond to the spacing of the several spaces of the columns on said sheet and reading in numerical order in opposite directions from said notch to show the number of points of difference due to track conditions between the track indicated upon the record sheet to which the strip is applied and another track, the time record of which is known.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN H. McCARTY.

Witnesses:
LEWIS E. FLANDERS,
ANNA M. DORR.