

(No Model.)

M. E. STOCKWELL.
TALLY SHEET.

No. 445,508.

Patented Jan. 27, 1891.

Fig. 1.

Kind of Lumber *b* From *c* To *d* *a* 18

e car No. *f* *g* *h* *i* *j* *k* *l* *m* *n* *o* *p* *q* *r* *s* *t* *u* *v* *w* *x* *y* *z*

Inspector *k*

Kind of Lumber *b* From *c* To *d* *a* 18

e car No. *f* *g* *h* *i* *j* *k* *l* *m* *n* *o* *p* *q* *r* *s* *t* *u* *v* *w* *x* *y* *z*

Inspector *k*

Kind of Lumber *b* From *c* To *d* *a* 18

e car No. *f* *g* *h* *i* *j* *k* *l* *m* *n* *o* *p* *q* *r* *s* *t* *u* *v* *w* *x* *y* *z*

Inspector *k*

Kind of Lumber *b* From *c* To *d* *a* 18

e car No. *f* *g* *h* *i* *j* *k* *l* *m* *n* *o* *p* *q* *r* *s* *t* *u* *v* *w* *x* *y* *z*

Inspector *k*

Fig. 2.

Kind of Lumber *b* From *c* To *d* *a* 18

e car No. *f* *g* *h* *i* *j* *k* *l* *m* *n* *o* *p* *q* *r* *s* *t* *u* *v* *w* *x* *y* *z*

Inspector *k*

Kind of Lumber *b* From *c* To *d* *a* 18

e car No. *f* *g* *h* *i* *j* *k* *l* *m* *n* *o* *p* *q* *r* *s* *t* *u* *v* *w* *x* *y* *z*

Inspector *k*

Kind of Lumber *b* From *c* To *d* *a* 18

e car No. *f* *g* *h* *i* *j* *k* *l* *m* *n* *o* *p* *q* *r* *s* *t* *u* *v* *w* *x* *y* *z*

Inspector *k*

Kind of Lumber *b* From *c* To *d* *a* 18

e car No. *f* *g* *h* *i* *j* *k* *l* *m* *n* *o* *p* *q* *r* *s* *t* *u* *v* *w* *x* *y* *z*

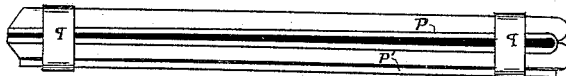
Inspector *k*

Witnesses.

Edw. Lamont

Geo. H. White

Fig. 3.



Inventor.

Millard E. Stockwell

BY

Chas. J. Gilley
Attorney.

UNITED STATES PATENT OFFICE.

MILLARD E. STOCKWELL, OF GRAND RAPIDS, MICHIGAN.

TALLY-SHEET.

SPECIFICATION forming part of Letters Patent No. 445,508, dated January 27, 1891.

Application filed July 9, 1888. Serial No. 279,483. (No model.)

To all whom it may concern:

Be it known that I, MILLARD E. STOCKWELL, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented a new and useful Improvement in Lumber Tally-Books, of which the following is a specification.

My invention relates to improvements in tally-books having sheets used by lumber-inspectors and others for keeping a record of the inspection, grading, and tally of lumber; and the objects of my invention are, first, to provide lumber tally-books having sheets that will keep an exact tally of the lumber tallied on each line of the sheet; second, to provide lumber tally-books having sheets upon which several grades of lumber may be tallied and the amount of each grade may be ascertained at a glance; third, to provide lumber tally-books having sheets that may be bound in book form, each leaf of which may be readily detached to mail or file away, and is provided with a stub upon which a brief statement of the contents of the tally-sheet may be recorded and reserved for future reference, and, fourth, to provide lumber tally-books having sheets arranged in the form of a book having flexible covers so arranged that it can be opened back upon itself or turned wrong side out without breaking the binding. I attain these objects by the forms illustrated in the accompanying drawings, in which—

Figure 1 is a plan of my tally-sheets, showing a view of the face and also of the back of a sheet for use where the lumber inspected is of a uniform grade. Fig. 2 is the same, showing the form of tally-sheets to be used where the lumber inspected contains several grades; and Fig. 3 shows the tally-book open and folded back with its false cover in place for the convenience of the inspector in keeping a record of the lumber tallied.

Similar letters refer to similar parts throughout the several views.

In manufacturing these tally-books I make use of four several forms of sheets or pages. The plain form represented at A is used as a general tally-sheet when for any reason it would be inexpedient to use either of the

other several forms of sheets shown at B, C, and D. The form B is for use for "mill-run" tallying, where the lumber is inspected to but one grade or where the grades are thrown together and inspected as a whole, but where the amount of lumber in the several pieces varies, and the forms represented by C and D are for use where a run of lumber is divided into two or more grades.

In manufacturing these tally-books I provide each sheet or leaf with a head A', having a line *a* for the address and date of the inspection; a line *b* for the grade or kinds of lumber inspected; *c*, to whom and where shipped; *d*, from whom shipped, and *e* the name and number of the car loaded, all of which I print in blank, and with a body E, having a head-line *f*, in which I place heavy-faced figures, ranging from 5 up in the ratio of five, which indicate the number of pieces that have been tallied in each line when the column over which each successive figure stands has been reached, and a marginal line *g*', provided with heavy-faced figures ranging from 2 upward, which indicate the number of feet contained in each piece tallied, and with a series of foot-lines *j*, in which I place light-faced figures which indicate the number of feet of lumber tallied in the preceding tally-row at any given point.

The body B' of each sheet I divide into columns arranged to correspond with the head-line figures 5, 10, 15, &c. These columns are in turn divided into squares *i*, left blank, for recording the tally-marks *r* and *j*, in which are placed the footing-figures hereinbefore mentioned. These subdivisions *i* and *j* are placed in rows running across the sheet and arranged to correspond with the marginal figures 2, 3, 4, 5, &c. Thus if we refer to the head-line figures 25 and to the marginal figure 5 it indicates that twenty-five pieces have been inspected, containing five feet in each piece, and by reference to the footing-figures we find recorded in this column and square the number 125, which indicates that the number inspected in line 5 up to this point is one hundred and twenty-five feet, and so on throughout the entire sheet.

When two or more distinct grades of lumber are tallied in one lot, I use a sheet that is

divided either lengthwise, as shown at C, on which I make additional marginal lines and figures for each division, or crosswise, as shown at D, with additional head-lines and figures for each division, as the case may demand.

When manufacturing these tally-books I form and bind them to open at the end, which renders them more convenient to handle, less cumbersome, and better adapted to the use of "stubs" than they would be if opened at the side. For this purpose I print two leaves, one at each end of a sheet of paper, and two stubs in the center between the two sheets or leaves, and attach the binding between the stubs at n , with a row of perforations between each sheet and its stub, as shown in Fig. 1, and bind the book with a flexible cover P, so that it may be opened back to back, to be used as or on a tally-board without danger of breaking the binding. I also provide a false cover P', which is a simple piece of stiff paste-board or other suitable material made to the size of or a trifle larger than one page of the book, which I bind to the book by means of rubber bands q , which may be readily removed for the purpose of rearranging the page of or of closing the book. The objects of this detachable cover are, first, to provide a stiff substantial back to support the book while tallying; second, to protect the unused exposed page from being marred and defaced with the fingers while tallying; third, to protect the book from being wrinkled and defaced when being carried in the hand or pocket of the inspector, and, fourth, to secure the detached stubs, so that they will not interfere with tallying upon other sheets in the book.

I do not restrict my tally-sheets to any particular size or number of divisions, but make them of various sizes and capacity to meet the various demands of the trade.

To the right of the body of each tally-sheet I leave a narrow margin k for the purpose of bringing forward the several amounts of lumber tallied, as indicated in the footing-lines j , and placing them in a direct column to facilitate finding the total of the tally. This I place at the foot of the column k , and at the foot of the page I leave a line and space for recording the name of the inspector, &c.

I provide with each sheet, as hereinbefore mentioned, a stub C', which contains a line a' for recording the place and date of inspection, a line b' for the amounts and kinds of lumber inspected, a line c' for recording the name of the shipper, a line d' indicating to whom and where shipped, lines e' indicating the name and number of the car loaded, and a line m for the name and address of the inspector. Between this stub and the tally-sheet I form a row of perforations at f' to facilitate the detachment of the tally-sheet from the stub, so that it may be used either

upon the book and afterward detached for mailing or filing away or may be detached in the first instance and used upon a tally-board separate from the book.

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

1. As a new and useful article of manufacture, a lumber tally-book having a permanent cover bound with a flexible back, a false cover for supporting the book when open, stubs for recording a synopsis of the contents of the leaf, and detachable sheets provided with a head-line of figures for showing the number of pieces tallied upon each line of blanks, a marginal line of figures showing the amount in each piece tallied, blank spaces for recording the tallies, foot-line figures interspersed in alternate rows with the tally-blanks and so arranged that the amount of lumber tallied upon each line of blank spaces will be shown by the figures immediately below the last blank filled, and a marginal blank for carrying out the total of every tally, substantially as specified.

2. As a new and useful article of manufacture, a lumber tally-book bound with a flexible back and provided with stubs for containing a synopsis of the contents of the sheets, detachable sheets or leaves, a row of perforations between the leaf and the stubs, a heading upon the leaves, provided with blank spaces for recording a brief statement of the amount and kind of lumber tallied, date of shipment, by whom and to whom shipped, a portion of said leaves being provided simply with a row of head-line figures below the heading, a number of blank spaces for recording the number of pieces tallied, and marginal spaces on each side of the tally-blanks for recording the class of lumber tallied and carrying out the sum of the lumber tallied, a portion of the leaves provided with an additional marginal line of figures showing the amount of lumber in each piece tallied, and a portion of the leaves provided with head-line figures showing the number of pieces tallied, marginal figures showing the amount in each piece tallied, blank spaces for recording the tallies as made, and foot-line figures interspersed upon alternate lines with the tally-blanks and so arranged that the exact amount of lumber tallied upon a line is shown by the figures directly below the last blank filled, and a marginal blank for carrying out the sum of all the tallies made upon the sheet, substantially as and for the purpose set forth.

Signed at Grand Rapids, Michigan, this 5th day of July, A. D. 1888.

MILLARD E. STOCKWELL.

In presence of—

S. R. WOOSTER,
ITHIEL J. CILLEY.