

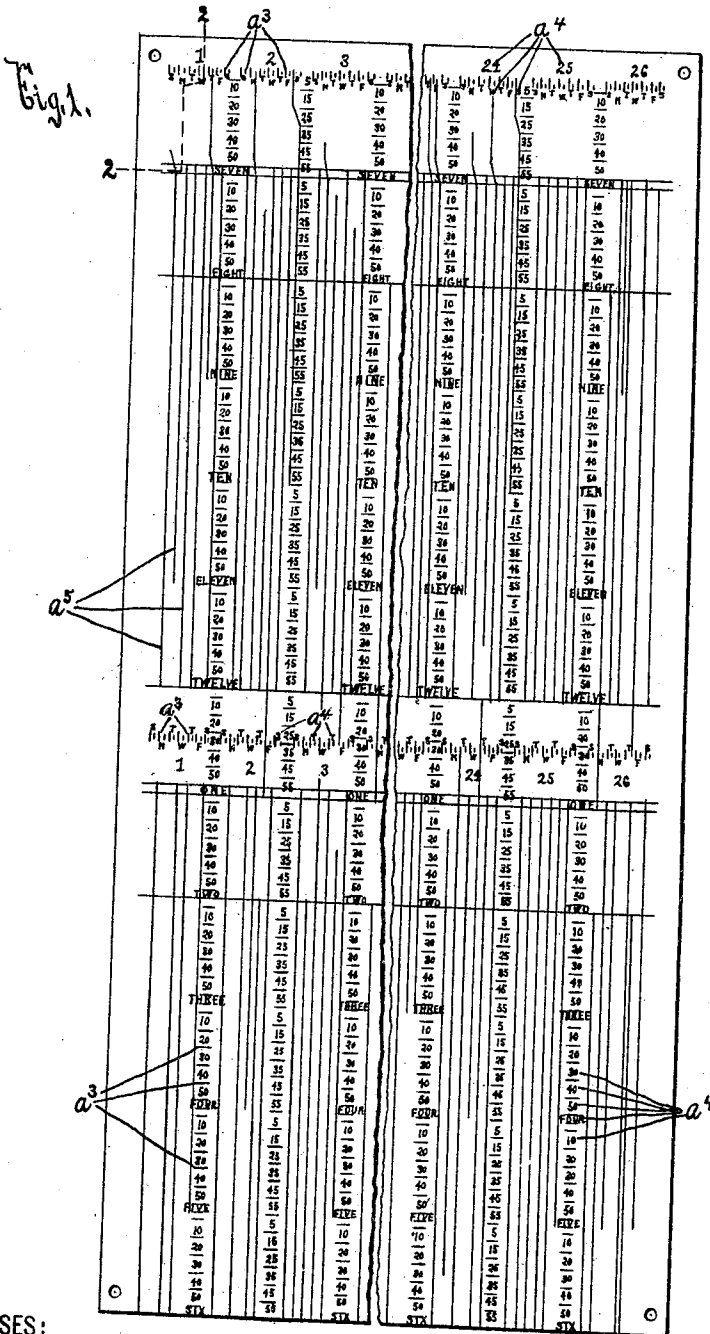
No. 680,145.

W. D. HAWLEY.
RECORD SHEET.

Patented Aug. 6, 1901.

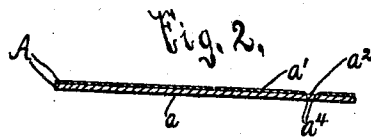
(Application filed June 6, 1900.)

(No Model.)



WITNESSES:
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WILLIAM D. HAWLEY, OF SYRACUSE, NEW YORK.

RECORD-SHEET.

SPECIFICATION forming part of Letters Patent No. 680,145, dated August 6, 1901.

Application filed June 6, 1900. Serial No. 19,244. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM D. HAWLEY, of Syracuse, in the county of Onondaga, in the State of New York, have invented certain new and useful Record-Sheets, of which the following is a specification.

My invention relates to record-sheets particularly applicable for use with the recorder forming the subject-matter of my pending application, Serial No. 740,720, filed December 18, 1899, and has for its object the production of a record-sheet of such construction that the desired record is readily made and is read with a minimum effort; and to this end the invention consists in the combinations and constructions hereinafter set forth and claimed.

Referring to the drawings, Figure 1 is a face view, partly broken away and in section, of my record-sheet. Fig. 2 is a sectional view taken on line 2 2, Fig. 1.

My improved record-sheet A is composed of a strip a of paper or other suitable material and an outer coating a' . The surface a^2 of the strip a , provided with the coating a' , is glazed and is usually of white color. As the surface of the record-sheet is glazed, it does not readily absorb moisture, and consequently expansion and contraction thereof under atmospheric changes are reduced to a minimum. Said coating a' is composed of any suitable material which is not readily removable when handling the record-sheet and is easily removed by a stylus or other sharp tool. The coating a' is preferably of different color than the surface a^2 , being generally black. A good grade of printers' ink forms a particularly cheap, convenient, and suitable material for the coating a' , and frequently certain grades of said ink on the market are rendered more suitable for use by the addition of lampblack, oil, glycerin, or tallow.

My record-sheet is usually provided with graduations a^3 and indicating characters a^4 , which are arranged in intersecting crosswise and lengthwise columns and are both generally formed by openings in the coating a' and by the portions of the surface a^2 exposed through said openings. The openings in the coating a' may be produced by any suitable means, as cut-outs in the surface which ap-

plies to the surface a^2 , the material, as printers' ink, forming the coating a' , said cut-outs serving to prevent the application of said material to the portion of the surface a^2 to be displayed or exposed through said openings. The crosswise columns of the indicating characters are here illustrated as consisting of the numerals "1," "2," "3," &c., and the initials "S," "M," "T," &c., and the lengthwise columns of said characters as consisting of the words "one," "two," "three," &c., and the numbers "10," "20," "30," &c.

As will be readily understood by those skilled in the art, part of the graduations a^3 and indicating characters a^4 correspond to intervals of time, and the remainder of said graduations and indicating characters correspond to the respective records to be applied to the record-sheet.

In the use of my record-sheet in a time-recorder narrow lengthwise strips of the coating a' are removed by the markers of the recorder, thus exposing narrow portions of the underlying surface a^2 and forming sharply defined indicating-lines a^5 , which are readily seen and permit the desired record to be read easily and quickly.

My record-sheet may be used in connection with other means for forming records, as will be obvious to those skilled in the art. Said sheet may also be unprovided with the graduations a^3 , and the indicating characters a^4 and its entire coating a' may be unbroken.

The construction of said record-sheet will now be readily understood upon reference to the foregoing description and the accompanying drawings.

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

1. As a new article of manufacture, a record-sheet provided with a coating formed of ink, said coating being non-removable by handling and being removable by a stylus from the underlying surface of the record-sheet, substantially as and for the purpose described.

2. As a new article of manufacture, a record-sheet consisting of a strip of paper provided with a glazed surface, and a coating on the glazed surface, said coating being non-

removable by handling and being removable by a stylus from the underlying glazed surface to display said surface, substantially as and for the purpose set forth.

- 5 3. As a new article of manufacture, a record-sheet provided with a coating, said coating being non-removable by handling and being removable by a stylus from the underlying surface of the record-sheet, said record-sheet being provided with graduations corresponding to intervals of time and formed by openings in the coating and the portions of the underlying surface exposed through the openings, substantially as and for the purpose specified.

- 10 4. As a new article of manufacture, a record-sheet provided with a coating, said coating being non-removable by handling and being removable by a stylus from the underlying surface of the record-sheet, said record-sheet being provided with indicating characters corresponding to intervals of time and formed by openings in the coating and the portions of the underlying surface exposed

through the openings, substantially as and for the purpose specified. 25

5. As a new article of manufacture, a record-sheet consisting of a strip of paper provided with a glazed surface, and a coating formed of ink, said coating being non-removable by handling and being removable by a stylus from the underlying surface of the record-sheet, said record-sheet being provided with graduations and indicating characters, substantially as described, corresponding to intervals of time and formed by openings in the coating and the portions of the underlying surface exposed through the openings, substantially as and for the purpose set forth. 30 35

In testimony whereof I have hereunto signed my name, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 24th day of April, 1900. 40

WILLIAM D. HAWLEY.

Witnesses:

S. DAVIS,

D. LAVINE.