J. A. AND M. R. SANFORD.

RECORD CABINET.

APPLICATION FILED FEB. 14, 1919.

1,303,731. Patented May 13, 1919.

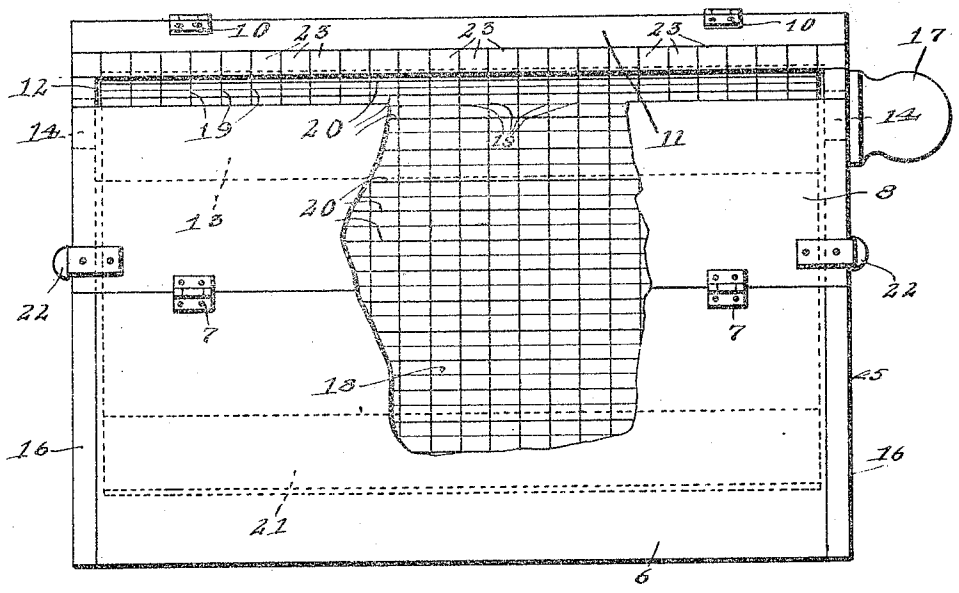


Fig. 1.

Fig. 2.

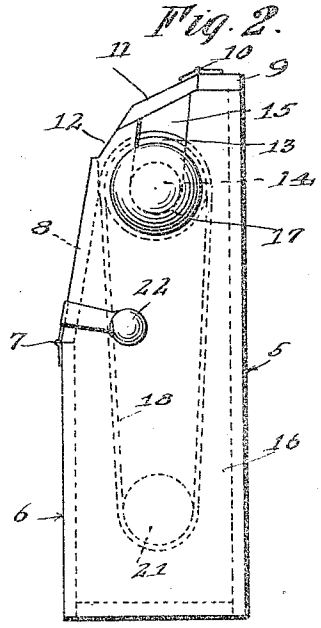
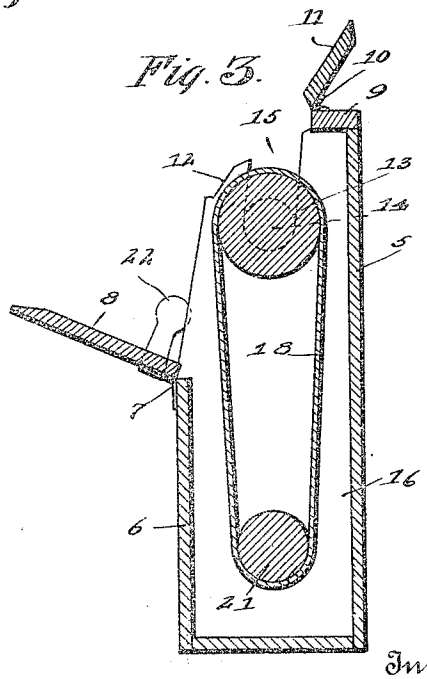


Fig. 3.



Witnesses
R. A. Thomas

Inventors
J. A. Sanford
M. R. Sanford
By Victor J. Evans
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN A. SANFORD AND MARK R. SANFORD, OF LITTLE GENESEE, NEW YORK.

RECORD-CABINET.

1,303,731. Specification of Letters Patent. Patented May 13, 1919.

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To all whom it may concern:

Be it known that we, JOHN A. SANFORD and MARK R. SANFORD, citizens of the United States, residing at Little Genesee, in the county of Allegany and State of New York, have invented new and useful Improvements in Record-Cabinets, of which the following is a specification.

This invention relates to cabinets for record sheets adapted for use in a great many capacities though especially designed for use by dairymen in keeping a daily record of the weight of milk given by the different cows, and has for its object the provision of a cabinet within which is inclosed the record sheet which is trained about a pair of rollers, one of which is provided with a handle whereby it may be turned so as to bring the sheet before an opening through which inscription may be made upon the sheet, the cabinet being so constructed and arranged as to obviate the necessity or possibility of the operator touching the sheet with his fingers, and always allowing inscription to be made at the same height.

An important object is the provision of a cabinet of this character in which the rollers may be very quickly and easily removed, carrying with them the record sheet, this construction facilitating the operation of keeping a record and simplifying the use of the device.

An additional object is the provision of a device of this character which will be extremely simple and inexpensive in manufacture, highly efficient and durable in use and a general improvement in the art.

With the above and other objects and advantages in view, the invention consists in the details of construction to be hereinafter more fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of the device.

Fig. 2 is a side elevation thereof, the covers being in closed position and

Fig. 3 is a cross sectional view, the covers being in open position.

Referring more particularly to the drawing the numeral 5 designates a rectangular casing which has a portion of its front closed by a fixed wall 6 to which is hingedly connected as shown at 7 a front cover 8 for substantially closing the remainder of the front of the casing. The top of the casing 5 is partially closed by a thick strip 9 to which is hingedly secured as shown at 10 a cover 11, which substantially closes the remainder of the top of the casing. The covers 8 and 11 are of such size that there will be provided a space 12 between their free edges when they are in closed position and the free edges of these covers are beveled as shown.

The numeral 13 designates a roller which has its ends reduced to form trunnions 14 disposed within inclined slots 15 in the end walls 16 of the casing. The trunnions 14 are of slightly less diameter than the roller 13 so that the roller cannot turn too freely. At one end, the roller 13 is provided with a handle 17 so that it may be turned when desired.

The record sheet is designated by the numeral 18 and is ruled to provide a series of vertical columns 19 and horizontal columns 20, 31 in number. The horizontal columns 20 may also be numbered from 1 to 31, corresponding to the number of days in a month, and are subdivided to provide for two milkings daily. The sheet 18 is disposed about the roller 13 and has its ends connected in any suitable manner whereby to provide a continuous apron. After the sheet is thus disposed upon the roller 13, an idle roller 21, preferably of heavy material, is inserted within the looped sheet, after which the sheet, the idle roller 21, and the roller 13 are placed within the casing 5 and the trunnions 14 engaged within the slots 15. The covers 8 and 11 are then swung to their closed positions and the device is ready for use.

In order that the door 8 may be retained in closed position, we preferably provide the front wall of the casing against which the cover 8 abuts, with a slight rearward inclination, as shown, and also provide upon the edges of the cover 8, weights 22 which extend toward the rear of the casing and which are so arranged that the center of gravity of the cover 8 will be disposed rearwardly of the pivot points. The cover 8 will thus be retained in normally closed position while permitting it to be easily opened when required.

In order to provide indicating means for coöperation with the sheet 18, we provide upon the forward edge of the cover 11, a strip 23 of cardboard or the like provided with a series of lines defining squares regis-

tering with the vertical columns 19 of the sheet 18 and within these squares may be inscribed numbers corresponding to the numbers of the different cows in the herd. It is of course apparent that instead of using numbers in these squares the names of the cows may be written in. The provision of the removable strip 23 is important as it enables the operator to replace the strip easily in case of correction or changes.

With the parts constructed and assembled as above described, the use of the device is as follows:—

The operator grasps the knob or handle 17 and rotates the roller 13 until the number indicating the proper day of the month appears at the left end of the opening 12. The number of pounds or quarts of milk obtained from each cow may then be recorded on the different squares defined by the intersection of the columns 19 and 20, as clearly indicated in the drawings. As each day passes the roller 13 is rotated to bring the next horizontal column 20 before the opening 13, the squares in the horizontal column being always immediately below the squares on the strip 23, whereby danger of writing in the wrong square will be avoided. This is of course continued until the sheet is filled.

From the foregoing description and a study of the drawings it will be apparent that we have thus provided a record sheet cabinet which is so constructed that the sheet will be at all times protected and prevented from injury or soiling and in which the recording is done always at the same height. It is also apparent that the supporting rollers for the sheet are bodily movable from the casing, carrying with them the sheet itself, thereby simplifying the operation of removing a filled sheet and inserting a fresh one.

While the device is shown and described as adapted for use in keeping a record of the weights of milk delivered by different cows, it will be apparent that the device is equally well adapted for use for other purposes. Another very important use to which the device may be put, is the keeping of weigh sheets in a milk receiving station. In such a case, the names of the patrons would be substituted for the names of the cows upon the strip 23 and the pounds of milk delivered daily to be recorded on the record sheet.

While we have shown and described the preferred embodiment of the invention, it will of course be readily understood that we reserve the right to make such changes in the form, construction and arrangement of parts as will not depart from the spirit of the invention or the scope of the subjoined claims.

We claim:—

1. A device of the character described comprising a casing having its top and front open, covers hinged upon said casing and disposable to cover said top and front, the free edges of said covers being spaced apart whereby to provide an opening, a roller removably journaled in the ends of said casing and supporting an endless record sheet disposed thereabout, said roller serving as a platen whereby said sheet may be inscribed upon through said opening, and a relatively heavy idle roller engaged within and supported by the endless record sheet.

2. A device of the character described comprising a casing provided in its front wall with an opening extending entirely thereacross, the side walls of said casing being provided with inclined slots, a roller disposed within the upper portion of said casing and having its ends formed as trunnions engaged within said slots, a knob on one end of said roller, an endless record sheet disposed about said roller, and a relatively heavy idle roller disposed within the loop of said sheet, said first named roller serving as a platen whereby said sheet may be inscribed upon through said opening.

3. A device of the character described comprising a casing provided adjacent its upper portion with a transverse opening extending entirely across the front face thereof, a roller journaled in the upper portion of said casing behind said opening, an endless record sheet trained about said roller and adapted to be inscribed upon through said opening, said roller serving as a platen, and a second roller suspended in the looped record sheet.

In testimony whereof we affix our signatures.

JOHN A. SANFORD.
MARK R. SANFORD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."