W. McADAMS.

JOURNAL BEARING FOR CALENDAR ROLLS.

No. 104,478. Patented June 21, 1870.

Fig. 1.

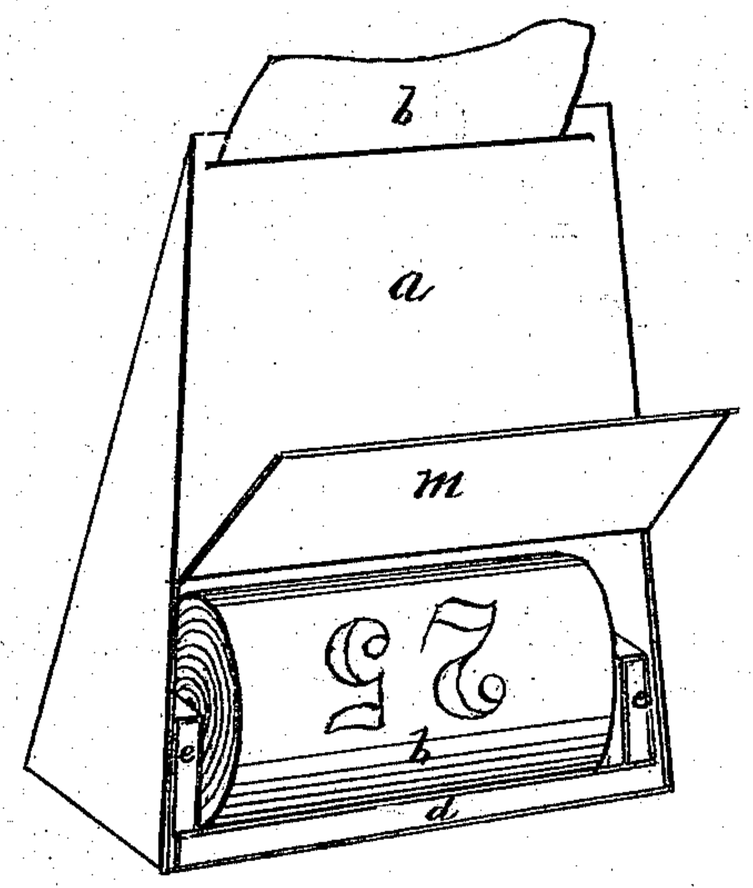

Fig. 2.

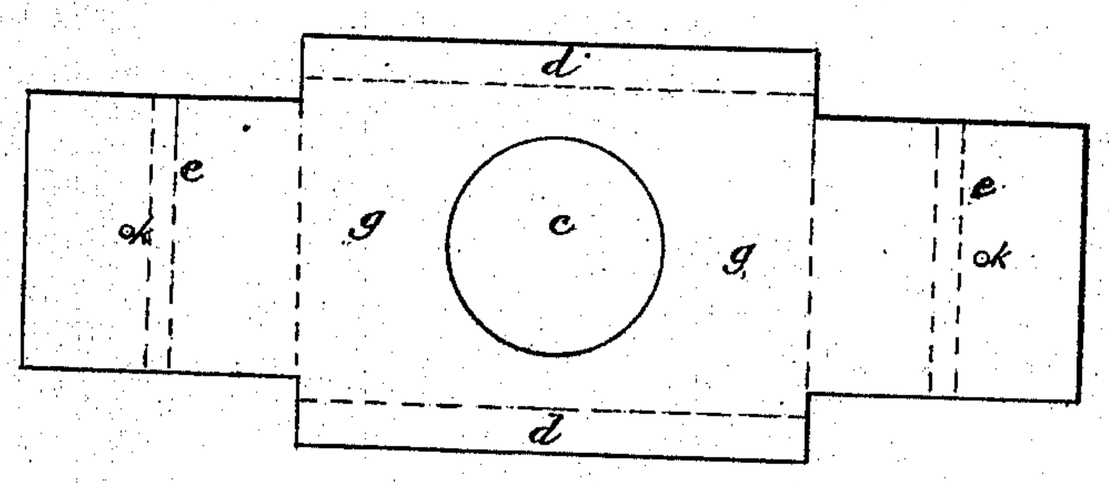

Fig. 3.

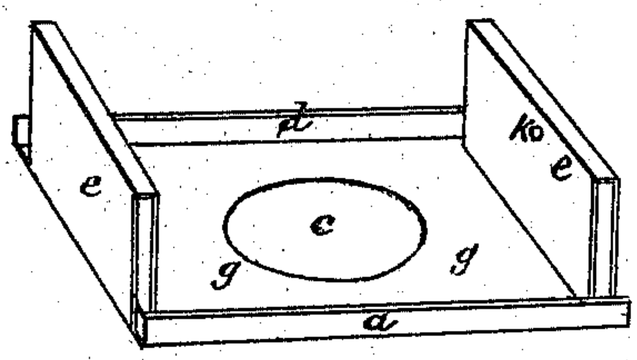

Fig. 4.

Witnesses.

E. B. Gies.

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United States Patent Office.

WILLIAM McADAMS, OF NEWTON, MASSACHUSETTS.

Letters Patent No. 104,478, *dated June* 21, 1870.

IMPROVEMENT IN JOURNAL-BEARINGS FOR CALENDAR-ROLLS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, WILLIAM McADAMS, of Newton, in the county of Essex and State of Massachusetts, have invented certain Improvements in "Panoramic Calendars," of which the following, when taken in connection with the drawing, is a full and and exact specification.

My invention consists in the arrangement and construction of a peculiarly shaped pasteboard at the lower part of the calendar, which forms the bottom of the calendar, holds the shaft or rod upon which the roll turns, and serves to keep the roll steady and in place while in the calendar-box, as fully described below.

In the accompanying drawing—

Figure 1 is a view of my calendar when in use.

Figure 2 is a rear view of the same, showing the means of access to the roll, in case it is needed.

Figure 3 shows the shape of the pasteboard alluded to above, when spread out flat.

Figure 4 shows the shape of the pasteboard when in its natural position in the calendar-box.

a is the calendar-box in which the roll is inclosed.

b is the roll inclosed in the calendar-box *a*, the end of which is torn off as fast as it appears at the top.

o o o o are small slits cut in the box to enable the roll *b* to slip more easily.

m shows the lid by which the inside of the calendar-box *a* can be reached in case of any accident to the roll *b*, or for any other reason.

The roll *b* is suspended and revolves upon a rod or shaft, the ends of which rest in the holes *k k*.

The holes *k k* are placed in the sides *e e*.

The sides *e e* are so situated and constructed for two purposes: First, to support the rod or shaft. Second, for the purpose of filling up the space at the ends of the roll *b*, and thus to keep it in position.

The front and back *d d* are so arranged merely for the purposes of strengthening and stiffening the bottom of the calendar.

g is the bottom of the pasteboard, forming, also, the bottom of the box *a*.

c is a hole in the bottom *g* for the purpose of gaining access to the inside of the box.

This hole *c* may or may not be placed in the bottom *g*, as seems best; the same thing is applicable to the lid *m*. It is best, however, to use one or the other.

In fig 3 the dotted lines represent the places where the pasteboard is bent.

I consider my calendar superior in arrangement to any in the market.

I claim as my invention—

The peculiarly-shaped pasteboard *g e k d*, bent and arranged as described, in combination with the rod or shaft, used either with or without the lid *m*, the whole being constructed as and for the purposes hereinbefore set forth.

Witnesses: WILLIAM McADAMS.

J. GREENE JONES,

H. W. WILLIAMS.