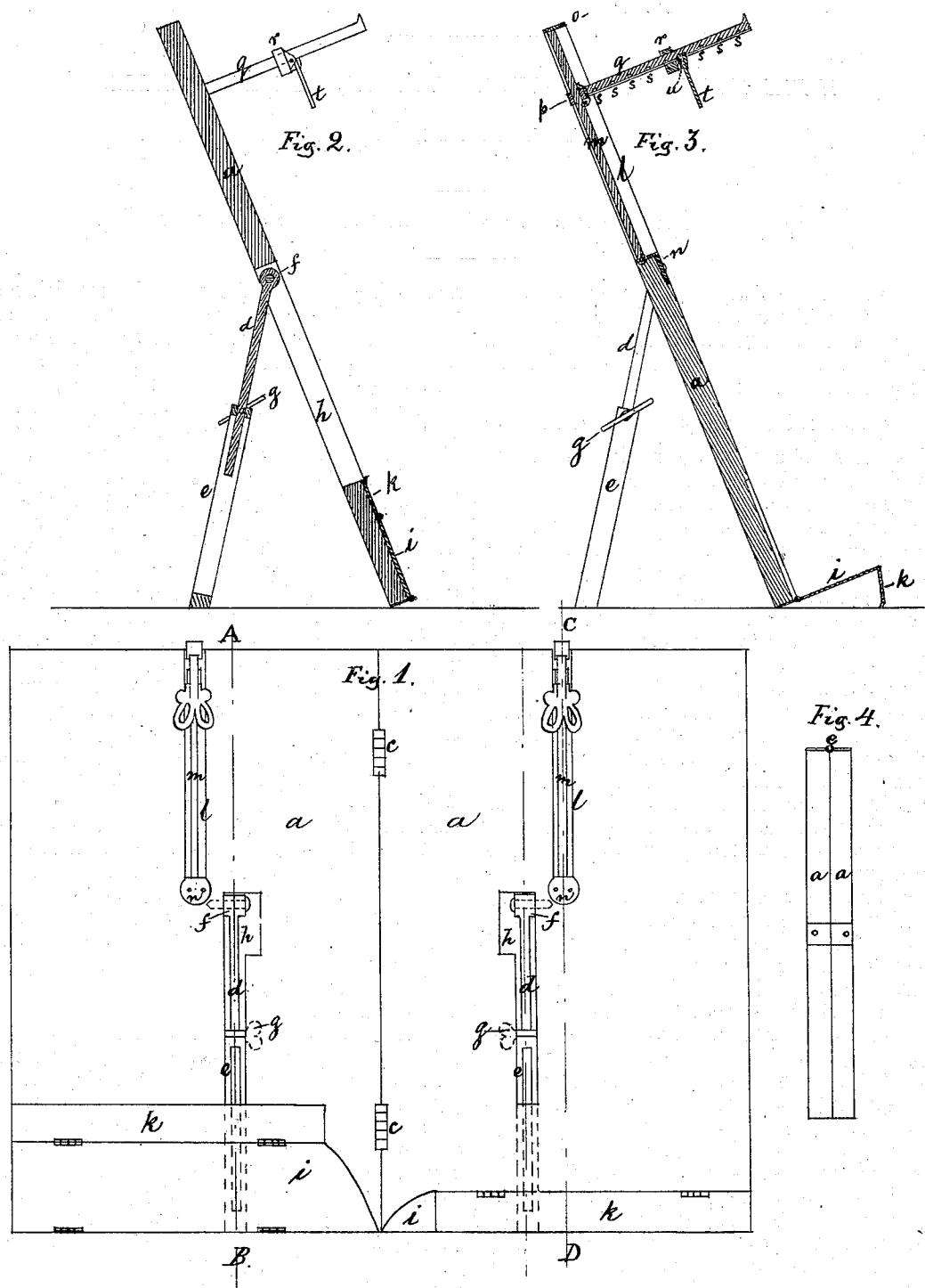


H. M. SWEENEY.

Stationery.

No. 125,500.

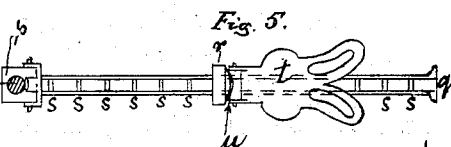
Patented April 9, 1872.



Witnesses:

H. R. Smith.
W. H. Hutchinson

Fig. 5.



Inventor:

Hugh M. Sweeney
 by *Alban Andren* his atty

UNITED STATES PATENT OFFICE.

HUGH MARTIN SWEENEY, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN BOOK-STANDS.

Specification forming part of Letters Patent No. 125,500, dated April 9, 1872.

I, HUGH M. SWEENEY, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement on Music and Book Stands, of which the following is a specification.

Nature and Objects of my Invention.

The nature of my invention relates to an improved music and book stand, so arranged that it can easily be folded together in a small compass for transportation, and can be used to equal advantage for holding sheet-music as well as for holding books of any desired thickness, as will now be fully shown and described.

On the drawing, Figure 1 is a front view, the left-hand side of which represents the foot-board *i k* as being folded up close to the stand. The right-hand side of said figure shows the foot-board as placed in a position when ready for use. Fig. 2 is a vertical longitudinal section over the line A B taken on Fig. 1. Fig. 3 is a vertical longitudinal section over the line C D taken also on Fig. 1. Fig. 4 is an end view of the stand when folded together, and Fig. 5 shows an enlarged view of the leaf-holder *q t*.

Similar letters refer to similar parts wherever they occur on the drawing.

a a are two plates that join each other, and are connected together by means of the hinges *c c*, as shown. The object of said hinges is to be able to fold the two plates *a a* together in manner as shown in Fig. 4, when not required for use. An arm, *d e*, is attached to each of the plates *a a*, and forms a rest for the respective plates *a a* when used as a stand. The arms *d d* are provided in their upper ends with an eye, *f*, as shown, through which a screw or pin is inserted, and around which the arms *d d* are made to swing. The arms *d d* project into the forked rests *e e*, and are secured firmly thereto in any required position by means of the thumb-screws *g g*, as shown. From this it will be seen that the rests *d e* may be shortened or lengthened, so as to obtain any desired inclination of the plates *a a*, simply by pushing the part *d* in or out of the forked arm *e* and holding them together by means of the thumb-screw *g*, as shown. A groove, *h h*, is made in each plate *a a*, for the purpose of

concealing the rests *d e* when the stand is not used. For this purpose unscrew the thumb-screws *g g* and push the rests *e e* over the arms *d d* up to the eyes *f f*, when the rests *d e* may easily be swung in the groove *h* and thus be concealed, so that the plates *a a* may be closed together. At the bottom of the plates *a a* are plates *i i*, hinged in a suitable way, as shown. On the outer side of the plates *i i* are extra plates *k k*, also hinged. The object of said plates is to serve as a foot-board or rest for the bottom of the book or music that is used on the stand. Fig. 2 and the left-hand side of Fig. 1 show the position of the plates *i k* when not in use, and Fig. 3 and the right-hand side of Fig. 1 show the proper position of the plates *i k* when the stand is required for use. In the upper ends of the plates *a a* are made grooves *l l*, in which a small circular or polygonal rod or wire, *m m*, is placed. The rods *m m* are secured to the plates *a a*, by means of the small bracket *n* and plate *o*, in a manner as shown, or may be attached thereto in any suitable or simple way, as may be needed. Over the rod *m* is a small cross-head, *p*, made to slide up or down easily. An arm, *q*, is hinged in its lower end to the cross-head *p* in a suitable way. The arms *q q* are provided with a number of notches, *s s s*, on the under side, as shown. A head, *r*, is made to slide over the arm *q*, as shown. To the head *r* is the leaf-holder *t*, hinged in a suitable manner. The inner end of the leaf-holder *t* projects into and is made of a shape corresponding with the notches *s s s*, and is held in place by the action of a spring, *u*, placed between the head *r* and the under side of the leaf-holder *t*, as fully shown in Fig. 5. By the arrangement of the notched arms *q q* books, &c., of any desired thickness may be placed, and the leaves thereon held in position simply by placing the leaf-holders *t t* in a corresponding place. The object of the hinges attached to the heads *p* and *r* is that the arms *q q* and leaf-holders *t t* may be turned thereon, and thus folded close in the grooves *l l* when it is desired to fold the plates *a a* together. The plates *a a* may be perforated or sawed to any ornamental design or pattern to suit the fancy of the user.

Having thus fully described the nature, con-

struction, and operation of my invention, I wish to secure by Letters Patent, and claim—

1. The arrangement of the hinged plates *i k*, in the manner and for the purpose set forth.

2. The construction and arrangement of the hinged arm *d*, forked arm *e*, and thumb-screw *g*, in combination with the grooves *h h*, for the purpose set forth.

3. The leaf-holder, consisting of the rod *m*, cross head *p*, hinged and grooved arm *q*, cross-head *r*, spring *u*, and plate *t*, as herein fully set forth and described.

HUGH MARTIN SWEENEY.

Witnesses:

ALBAN ANDRÉN,

WM. H. HUTCHINSON.