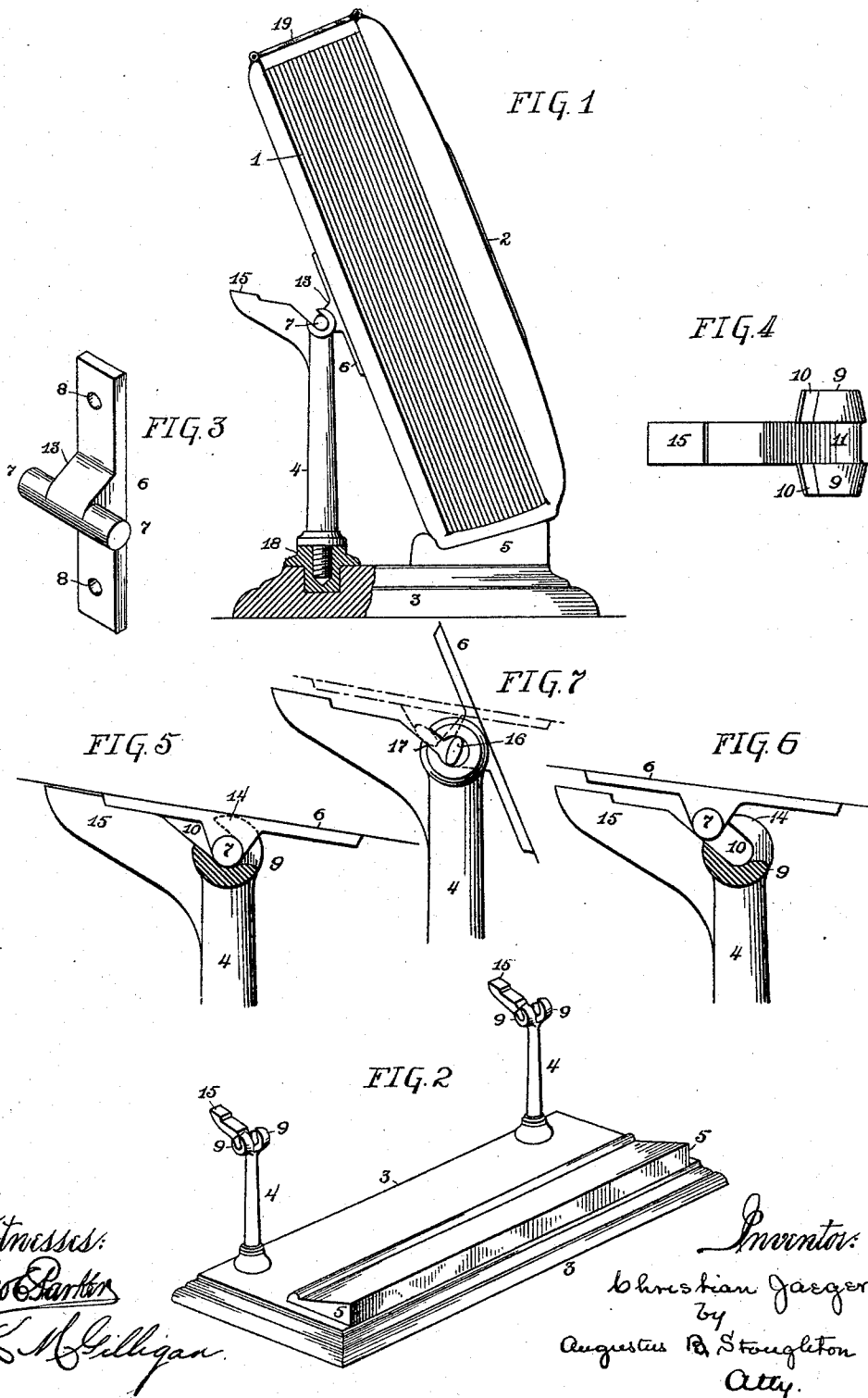


(No Model.)

C. JAEGER.
ALBUM.

No. 527,204.

Patented Oct. 9, 1894.



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UNITED STATES PATENT OFFICE.

CHRISTIAN JAEGER, OF PHILADELPHIA, PENNSYLVANIA.

ALBUM.

SPECIFICATION forming part of Letters Patent No. 527,204, dated October 9, 1894.

Application filed June 18, 1894. Serial No. 514,880. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN JAEGER, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Albums, of which the following is a specification.

My invention relates to so-called easel albums and more particularly to that type of such albums in which a book is fulcrumed or pivotally supported at its binding edge and at one of its sides or covers in such manner that it may be opened and closed.

The principal objects of my present invention are, first, to provide simple, durable and efficient means that constitute a fulcrum or hinge connection about which the book is afforded a range of rotary motion and that operate in such manner that the book may be detached from and applied to the other parts or stand of the device in only one position, whereby the book may be operated and transported in connection with the stand and may be detached therefrom for use upon a table or in the hands of the user; second, to construct and arrange the various parts of the device in such manner that the book may be caused to assume and remain in an inclined position above the stand, so that any ornamentation applied to it may be advantageously displayed in a shop window or upon a table, and, third, to construct and arrange the whole device in such manner that its parts may be detached and packed in a comparatively small space for shipment and can be conveniently assembled for use.

My invention stated in general terms consists of a stand or base upon which a book may be supported, rested or held in an inclined position, and a trunnion and circular socket having an opening provided with walls ranging at such an inclination to the plane of the book as that it may not be detached when it occupies, rests or is held in the above mentioned position, and more particularly stated.

My invention further consists of the improvements hereinafter described and claimed.

The nature, characteristic features, and scope of my invention will be more fully un-

derstood from the following description taken in connection with the accompanying drawings forming part hereof, and in which—

Figure 1, is an end elevational view of an album embodying features of my invention and showing a portion of the base broken away in order to illustrate details of my invention. Fig. 2, is a perspective view of the device with the book detached. Fig. 3, is a perspective view of a trunnion plate provided with trunnions or knobs and adapted for application to the book. Fig. 4, is a top or plan view of one of the supports illustrating a split or hook-like socket or bearing adapted for the reception of the knobs or trunnions and also a finger for limiting the range of movement of the book. Fig. 5, is a view partly in side elevation and partly in section illustrating the interlocking trunnions or knobs and split or hook-like sockets in engagement with each other. Fig. 6, is a similar view illustrating the manner in which the knobs or trunnions may be disengaged from their split sockets or bearings in one position of the book only, and Fig. 7, is a similar view illustrating a modified form of socket and trunnions in which the latter are flattened and may be inserted and withdrawn from the split sockets in only one position of the book.

In the drawings, 1, is a book that may be ornamented upon its cover as at 2.

3, is a base, and 4, are supports which taken together comprise a stand adapted to support the book in such manner that it is fulcrumed or pivoted at its binding edge and at one of its sides or covers. In the present instance, use is made of an inclined rest 5, applied to the base 3, and adapted to permit the binding edge of the book to roll, turn or fulcrum over it, as the back of the book turns or fulcrums in respect to the supports 4.

6, Fig. 3, are trunnion-plates provided with knobs or trunnions 7, and in the present instance with counter-sunk apertures 8, for the reception of screws or nails by means of which it may be attached to the cover of the book 1.

9, Figs. 4 and 5, are bearings or sockets cast or otherwise formed at the upper extremities of the supports 4, and split as at 10, so as to give them a hook-like form. In the present instance, these sockets 9, are ar-

ranged in pairs with a space or interval as 11, between them for the accommodation of the shank 13, of the trunnion-plate, so that the shank of the trunnion-plate works between the pair of sockets 9, and thus prevents endwise movement of the book in respect to the stand, base or supports. The opening or split 10, in the sockets, is so disposed as that the knobs or trunnions 7, may be inserted and removed therethrough only when the book is in the position indicated in Fig. 5. When the book is in other positions, the portions 14, of the sockets 10, prevent the book from becoming detached from its supports 4, for purposes hereinafter mentioned.

15, are fingers adapted to collide with the upper portions of the trunnion-plates 8, in order to limit the range of rotary motion of the book as shown in Fig. 5. When the trunnion-plates are in engagement with the fingers, the book 1, will remain in a more or less horizontal position above the stand so that any ornamentation as 2, that may be applied to its cover will be obviously displayed. Moreover in such position, the trunnions or knobs 7, may be readily with-drawn from and inserted through the split or open portions 10, of the hook-like sockets 9, as shown in Fig. 6, so that the book may be readily detached for use upon a table or in the hands of the operator, and applied to the supports 4, or mounted on the stand.

The construction illustrated in Fig. 7, is the same as that above described in connection with Figs. 5 and 6, with the following exceptions: The knobs or trunnions 16, are made oblong in cross-section and the opening 17, is made narrower, so that when the book is turned in the position indicated by dotted lines, in Fig. 7, the narrowest portion of the trunnions or knobs is presented to the split or opening 17, through which they may be passed as shown in Fig. 7, in order to detach the book from and attach it to the supports 4. In other positions of the book, the widest portion of the trunnion or knob 16, is presented to the split or opening 17, as indicated by full lines in said figures, and the latter, by reason of its width, prevents the passage of the former, whereby accidental detachment of the book is prevented.

18, are seats applied to the base 3, as shown in Fig. 1, by means of nails, screws or other suitable devices and adapted for the reception of the lower ends of the supports 4. As shown in the drawings, the ends of the supports are threaded and the seats are correspondingly tapped, so that the supports may be attached to or detached from the seats as required.

The mode of operation of the hereinabove described album is as follows: Assuming that the parts are in the position illustrated in Fig. 1, the book may be used by first releasing the clasp 19, and opening and closing the leaves as required. Under these circum-

stances, the trunnions or knobs 7, turn in the sockets or bearings 9, and the binding edge of the book turns, rolls or slides over the inclined rest 5, so that the book is in effect fulcrumed or permitted to turn about two points. Sometimes it is desirable to advantageously display any ornamentation that may be placed as at 2, upon the book, for example, when the album is placed in a store window or upon a store counter. For this purpose, it is only necessary to turn the top of the book toward the left in Fig. 1, until the upper portion of the trunnion-plates 8, collides with the fingers 15, whereupon the fingers will hold the book in a generally horizontal position above the stand. Moreover since the fingers collide with the trunnion-plates, the plush or other exterior covering of the book will not be injured, marred or otherwise damaged. If it becomes necessary or desirable to detach the book so that it may be used in the hand or upon the table, this result may be readily accomplished by first turning the book into engagement with the fingers and then sliding the trunnions or knobs through the splits or openings, as shown in Fig. 6 and by dotted lines in Fig. 7. In this connection it may be stated that when the book is in any position other than when supported by the fingers 15, the parts 14, of the bearings or sockets extend over the trunnions or knobs and thus prevent disengagement of the latter. This is important because it permits the book to be lifted and transported without the stand or base becoming accidentally detached therefrom. Whenever required, for example, in order to pack the book for shipment, it may be detached from the supports 4, in the manner above described and the supports 4, may in turn be detached from the base 3, in the present instance by screwing them out of the seats 18.

It will be obvious to those skilled in the art to which my invention relates that modifications may be made in details without departing from the spirit thereof. Hence I do not limit myself to the precise construction and arrangement of parts hereinbefore set forth and illustrated in the accompanying drawings, but

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

1. The combination in an album of, a book and a stand upon which the book is supported normally in an inclined position, with a trunnion and circular socket having a radial opening provided with side walls ranging at an inclination to the plane of the book when it occupies the above mentioned position, substantially as described.

2. The combination in an album of, a stand having a seat, a support detachably adapted to said seat, a book adapted to occupy an inclined position with its binding edge on said stand, a trunnion and a socket having a radial opening provided with side walls rang-

ing at an inclination to the plane of the book when it occupies the above mentioned position, substantially as described.

5 3. An album comprising a stand, a book whose binding edge is supported by the stand, a trunnion plate applied to said book and having laterally ranging trunnions or knobs, and a support constructed with a pair of sockets or bearings having an interval between them and having radial openings whose side walls are disposed at an inclination to the plane of the book when its binding edge rests upon the stand, substantially as described.

15 4. The combination in an album of, a stand, a book normally inclined to the stand, a piv-

otal and detachable connection comprising a trunnion and a socket having a radial opening whose walls are at an inclination to the normal plane of the book, and a finger for 20 checking the range of movement of the book in such position that its binding edge is clear of the stand whereby the trunnion is free to pass through the radial opening, substantially as described.

In testimony whereof I have hereunto 25 signed my name.

CHRISTIAN JAEGER.

In presence of—

K. M. GILLIGAN,
A. B. STOUGHTON.