J. W. GEARHART.

COVER FOR BLANK BOOKS.

APPLICATION FILED JAN. 29, 1913.

1,105,505. **Patented July 28, 1914.**

2 SHEETS—SHEET 1.

Fig. 1.

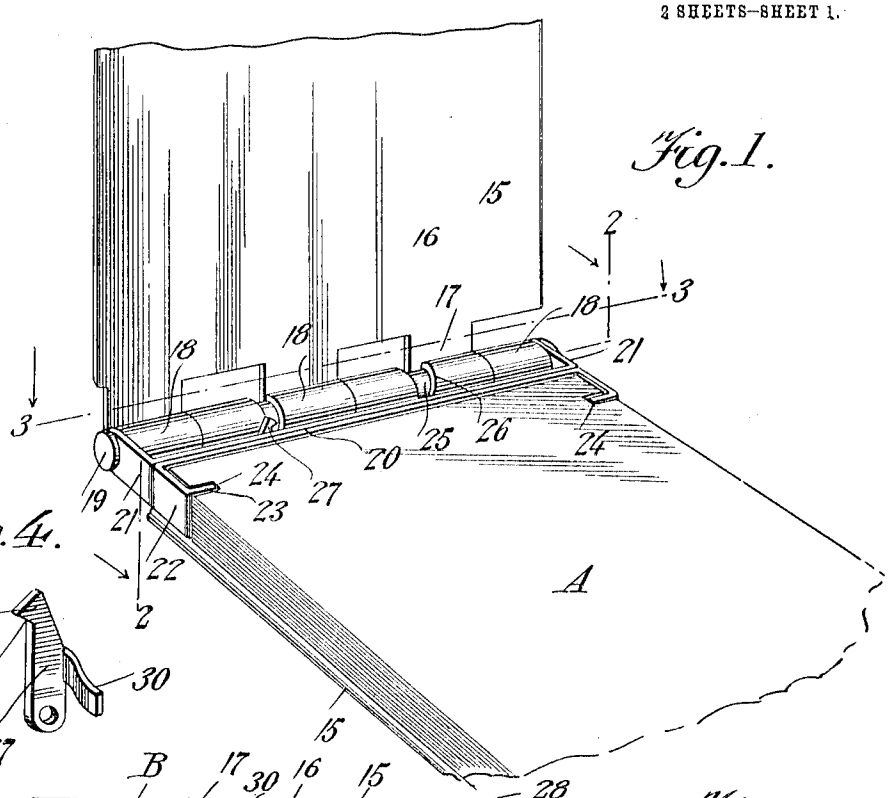


Fig. 4.

Fig. 2.

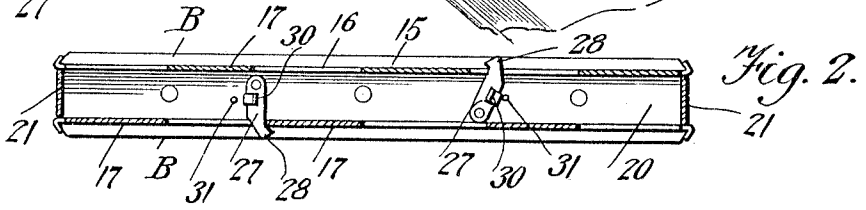
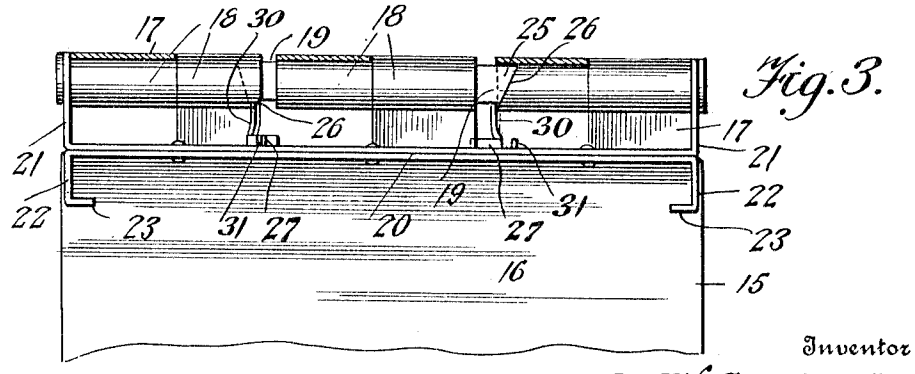


Fig. 3.



Inventor

John W. Gearhart

Witnesses

F. W. Ackmann Jr.

M. Bangs

By Victor J. Evans

Attorney

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

J. W. GEARHART.

COVER FOR BLANK BOOKS.

APPLICATION FILED JAN. 29, 1913.

1,105,505.

Patented July 28, 1914.

2 SHEETS—SHEET 2.

Fig. 5.

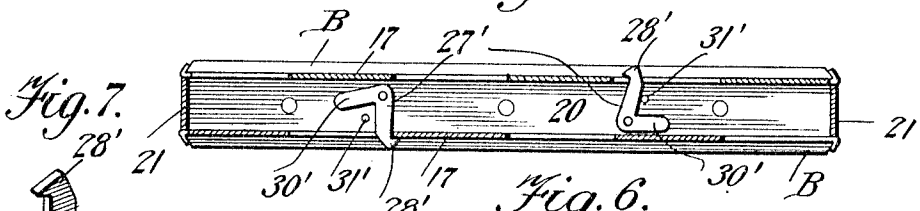


Fig. 7.

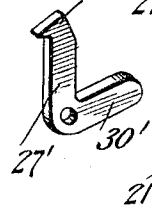


Fig. 6.

Fig. 8.

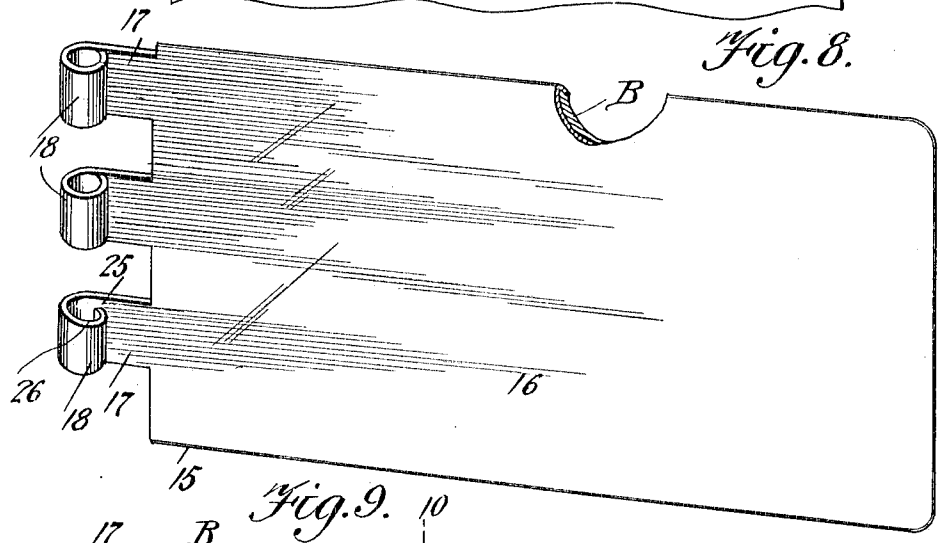


Fig. 9.

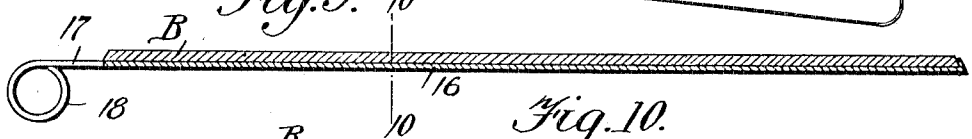
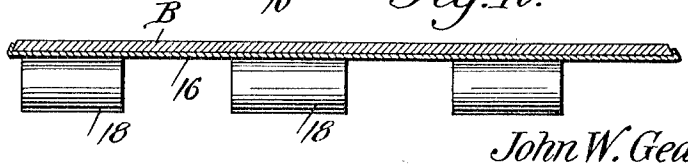


Fig. 10.



Inventor

John W. Gearhart

Witnesses

Jas. Ackerman Jr.

Wm. Bagger.

By Victor J. Evans

Attorney

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

UNITED STATES PATENT OFFICE.

JOHN W. GEARHART, OF FRESNO, CALIFORNIA.

COVER FOR BLANK BOOKS.

1,105,505. Specification of Letters Patent. Patented July 28, 1914.

Application filed January 29, 1913. Serial No. 745,000.

To all whom it may concern:

Be it known that I, JOHN W. GEARHART, a citizen of the United States, residing at Fresno, in the county of Fresno and State of California, have invented new and useful Improvements in Covers for Blank Books, of which the following is a specification.

This invention relates to covers for blank books, and it has for its object to produce a simple and improved cover adapted to receive a filler, such as a stenographer's note book to afford protection for such filler.

A further object of the invention is to produce an improved construction of the cover whereby the leaves of the filler will lie flat to facilitate writing, irrespective of the grade or quality of paper that may be used.

A further object of the invention is to produce a book cover comprising a filler clamp in connection with two hingedly supported side members and simple and improved means whereby one side member of the cover is locked in fixed relation to the filler clamp, while the other side member of the cover is free to move.

A further object of the invention is to simplify and improve the construction of the side members of the cover, said side members comprising metallic frames which are integral with the sleeves of the hinges, thereby reducing the number of parts required in the construction of the device, and avoiding the use of rivets and other fastening and connecting members whereby rough and uneven surfaces would be produced, and whereby the cost of manufacture and assemblage of parts would be increased.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claims.

In the accompanying drawings has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the claims may be resorted to when desired.

In the drawings,—Figure 1 is a perspective view, showing a portion of a cover constructed in accordance with the invention in a simple and preferred form thereof, one side member of the cover being raised. Fig. 2 is a transverse sectional view taken substantially on the line 2—2 in Fig. 1. Fig. 3 is a horizontal sectional view taken substantially on the line 3—3 in Fig. 1. Fig. 4 is a perspective detail view of one of the locking dogs. Fig. 5 is a transverse sectional view similar to Fig. 2, but illustrating a modified form of the invention. Fig. 6 is a sectional view similar to Fig. 3, illustrative of the modified form. Fig. 7 is a perspective view of one of the locking dogs of the modified form of the device. Fig. 8 is a perspective detail view of the metallic frame of one of the side members of the cover. Fig. 9 is a longitudinal sectional view of said frame together with its filler. Fig. 10 is a transverse sectional view taken on the line 10—10 in Fig. 9.

Corresponding parts in the several figures are denoted by like characters of reference.

The improved cover comprises side members 15 in the construction of which there is included rectangular metallic frames 16 having arms 17 which are terminally bent or coiled to form sleeves 18 which are so arranged that when the cover members are assembled, the sleeves associated with the two cover members will lie in alternate order and serve for the reception of a pintle 19 about the axis of which the cover members may turn.

The filler clamp as herein shown consists of a yoke 20 having limbs or side members 21 pivotally engaging the ends of the pintle, said clamp being positioned between the cover members. The filler clamp includes arms 22 which are terminally bent to form hooks 23 adapted to engage notches 24 in the side edges of the filler A, which latter consists of a stack of leaves which are suitably assembled in any convenient and suitable manner. It is desired to be understood that the construction of the filler clamp as regards the manner of connecting the filler therewith may be varied indefinitely, the form shown being merely for the purpose of illustration.

One of the sleeves 18 of each cover member is provided with a notch or recess 25 producing a cam-shaped edge 26 that extends outwardly from the arm 17 by the bending or coiling of which the sleeve 18

is formed. Pivoted on the yoke 20 of the filler clamp are oppositely disposed dogs 27 each provided with a terminal hook 28 having a beveled engaging edge 29, and each provided also with an arm 30 extending into the notch or recess 25 of one of the sleeves 18 so as to lie in the path of the cam edge 26. The hook or detent of each dog 27 is adapted to engage one of the arms 17 extending from each cover member. Suitably arranged pins or stops 31 are associated with the filler clamp for the purpose of limiting the movement of the dogs 27. When both cover members are closed down upon the filler, the arms 30 of the two dogs will be free to play in the recesses 25. When the book is laid down flat on a desk or table in position for use, and the uppermost side member of the cover is raised, the cam edge 26 associated with such cover member will bear against the arm 30 of the dog associated therewith, and the terminal hook 28 of such dog will be positively moved into locking engagement with an arm 17 associated with the lowermost cover member, thus locking the filler clamp in fixed relation to such lowermost cover member and compelling the filler A to lie flat thereon. This operation will obviously take place which ever of the two cover members happens to be uppermost, and it follows that when the end of the book is reached and the book is closed and reversed so as to place the cover member which was previously at the bottom, on top, the raising of such cover member will cause the filler clamp to be placed in locked relation to the cover member which is now at the bottom. The bevel 29 of the engaging edge of the hook 28 will permit the topmost cover member to be raised without being obstructed by such hook.

Under the modified construction of the device illustrated in Figs. 5, 6 and 7, the recesses 25 are omitted, and the dogs which are here designated by 27′ are in the form of bell cranks having arms 30′ which serve by gravity to hold the terminal hook 28′ of one of the dogs in locking engagement with an arm 17 of the lowermost cover member and in non-engaging relation to an arm 17 of the topmost cover member which may thus be freely raised. Pins 31′ extending from the yoke of the filler clamp within the angles of the bell cranks serve to limit the movement of said bell cranks in any direction. Except that these dogs are operated by gravity instead of being positively actuated by the cam edges 26, the operation is precisely as previously described.

It will appear from the foregoing that the two cover members of the device will be of precisely similar construction, enabling them to be conveniently connected and assembled by the pintle 19. Said cover members have been shown as consisting of rectangular frames 16, struck up or stamped from sheet metal, such as well tempered steel of suitable gage, thus enabling the arms 17 having the terminal sleeves or coils 18 to be formed integral therewith. Each of said frames is provided with struck up inclined or beveled flanges at the free edges thereof for the reception of a cover-board B which may be durably but inexpensively constructed of pasteboard, indurated fiber or any other suitable material, thus presenting a cover member possessing exceptionally desirable qualities in the way of strength, durability, rigidity, and the like.

The filler A to be used in connection with this improved cover device may be constructed in any desired manner, and the leaves may be weakened in the manner shown in Patent No. 987,619, previously granted to me, for the purpose of causing said leaves to lie flat when turned, or any other special construction may be resorted to. No limitation is made as regards the manner of connecting the filler with the clamp for the purpose of retaining it in position between the side members of the cover.

Having thus described the invention, what is claimed as new, is:—

1. A blank book cover comprising side members, a pintle with which said side members are hingedly connected, a filler clamp supported pivotally on the pintle between the side members, and movable devices for locking one side member in fixed relation to the filler clamp while the other side member is free to move.

2. A book cover comprising side members having arms provided with terminal sleeves, a pintle extending through the sleeves of the two side members, a filler clamp pivoted on the pintle, and reversely disposed gravity actuated hook levers pivoted on the filler clamp and engaging the arms of the side members for locking one side member of the cover in fixed relation to the filler clamp while the other side member is free to move.

3. A book cover comprising side members having arms provided with terminal sleeves, a pintle extending through the sleeves of the two side members, a filler clamp pivoted on the pintle, and reversely disposed members pivoted on the filler clamp and having terminal hooks to engage the arms of the side members for locking one side member of the cover in fixed relation to the filler clamp while the other side member is free to move.

4. A book cover comprising side members, a pintle with which the side members are hingedly connected, a filler clamp pivoted on the pintle between the side members, and movable devices associated with the filler

clamp for locking one side member in fixed relation to said filler clamp while the other side member is free to move.

5. A book cover comprising side members, each provided at one edge with arms having terminal sleeves, a pintle engaging the sleeves of the two side members, and a filler clamp pivoted on the pintles between the side members, said filler clamp having pivoted locking members to engage the arms of the side members.

6. A book cover comprising side members, each provided at one edge with arms having terminal sleeves, a pintle engaging the sleeves of the two side members, a filler clamp pivoted on the pintle between the side members, and dogs pivoted on the filler clamp and provided each with a terminal hook, said hooks being oppositely disposed to coöperate with arms extending from the two cover members, and means whereby the hook of one dog is held in non-obstructing position, while the hook of the other dog is in locking engagement with the arms of the cover member.

7. A book cover comprising side members having arms provided with terminal sleeves, a pintle engaging the sleeves of the two cover members, a filler clamp pivoted on the pintle and positioned between the cover members, one sleeve of each cover member being provided with a recess having a cam edge, and dogs pivoted on the filler clamp and having arms extending in said recesses, each of said dogs being provided with a terminal hook having a beveled engaging edge, and said hooks being oppositely disposed to coöperate with the arms of the two cover members to lock one cover member in fixed relation to the filler clamp while the other cover member is free to move.

8. A book cover comprising side members having arms provided with terminal sleeves, a pintle engaging the sleeves of the two cover members, a filler clamp pivoted on the pintle and positioned between the cover members, one sleeve of each cover member being provided with a recess having a cam edge, and dogs pivoted on the filler clamp and having arms extending in said recesses, each of said dogs being provided with a terminal hook, and said hooks being oppositely disposed to coöperate with the arms of the two cover members to lock one cover member in fixed relation to the filler clamp while the other cover member is free to move.

9. A book cover having side members each including a metallic frame provided at one edge with projecting arms having terminal sleeves and at the other three edges with struck up inclined or beveled flanges, in combination with a pintle engaging the sleeves of the cover members, and detachable cover boards slidably engaging the struck up edges of the frame and retained thereby against lateral movement and against longitudinal movement in one direction.

10. A book cover comprising two cover members each consisting of a metallic frame provided at one edge with arms having terminal sleeves and at the other three edges with struck up inclined or beveled flanges, detachable cover boards slidably engaging said flanges and retained thereby, a pintle engaging the sleeves of the two cover members, a filler clamp pivoted on the pintle and positioned between the cover members, and reversely disposed locking members pivoted on the filler clamp and having terminal hooks to engage the arms of the metallic frames.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN W. GEARHART.

Witnesses:
C. T. WALTON,
E. E. HUGHES.

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