

No. 772,525.

PATENTED OCT. 18, 1904.

B. S. D. S. MARTIN.  
SIDE CURTAIN FOR BUGGIES.

APPLICATION FILED JAN. 19, 1904.

NO MODEL.

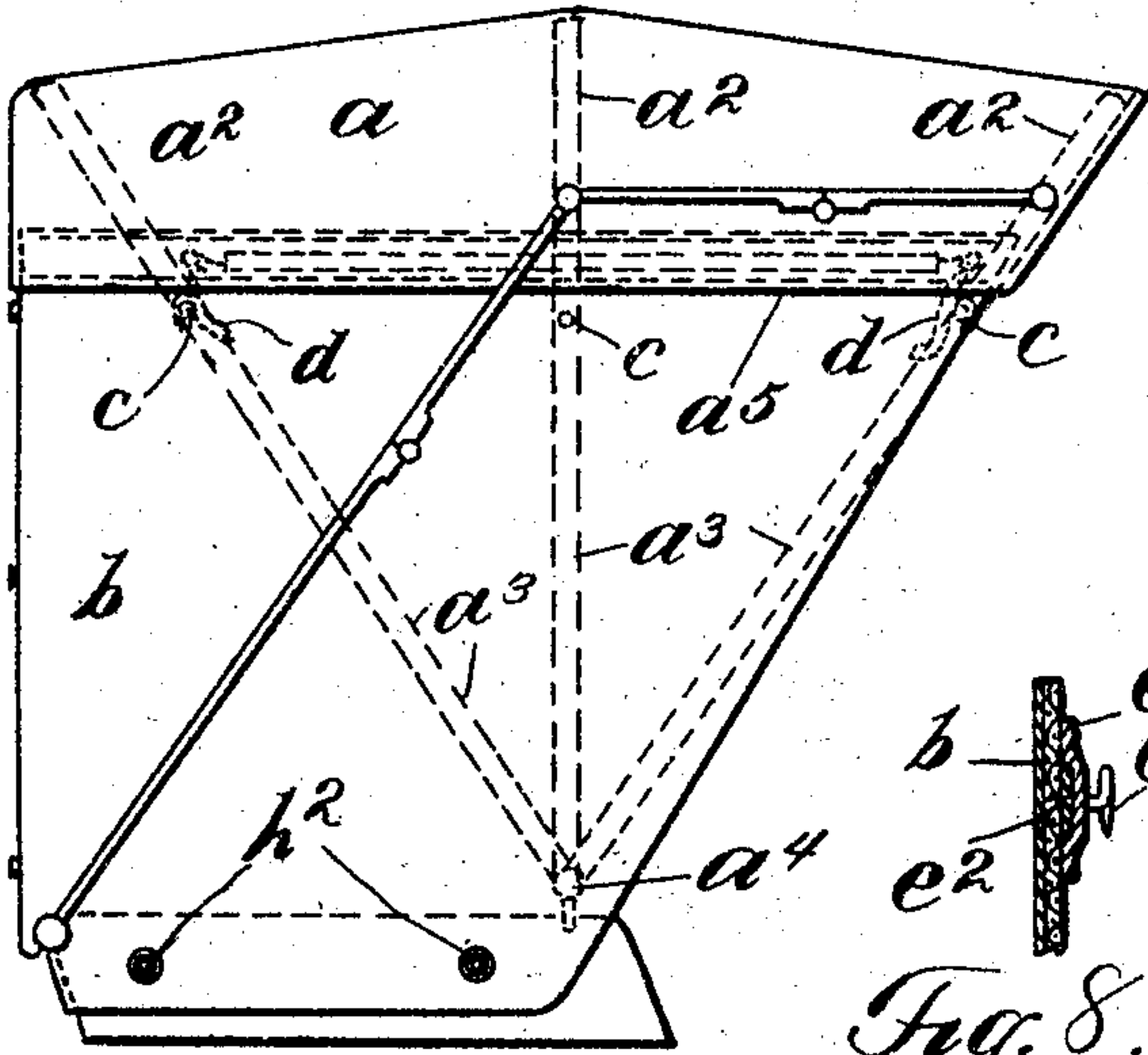


Fig. 1.

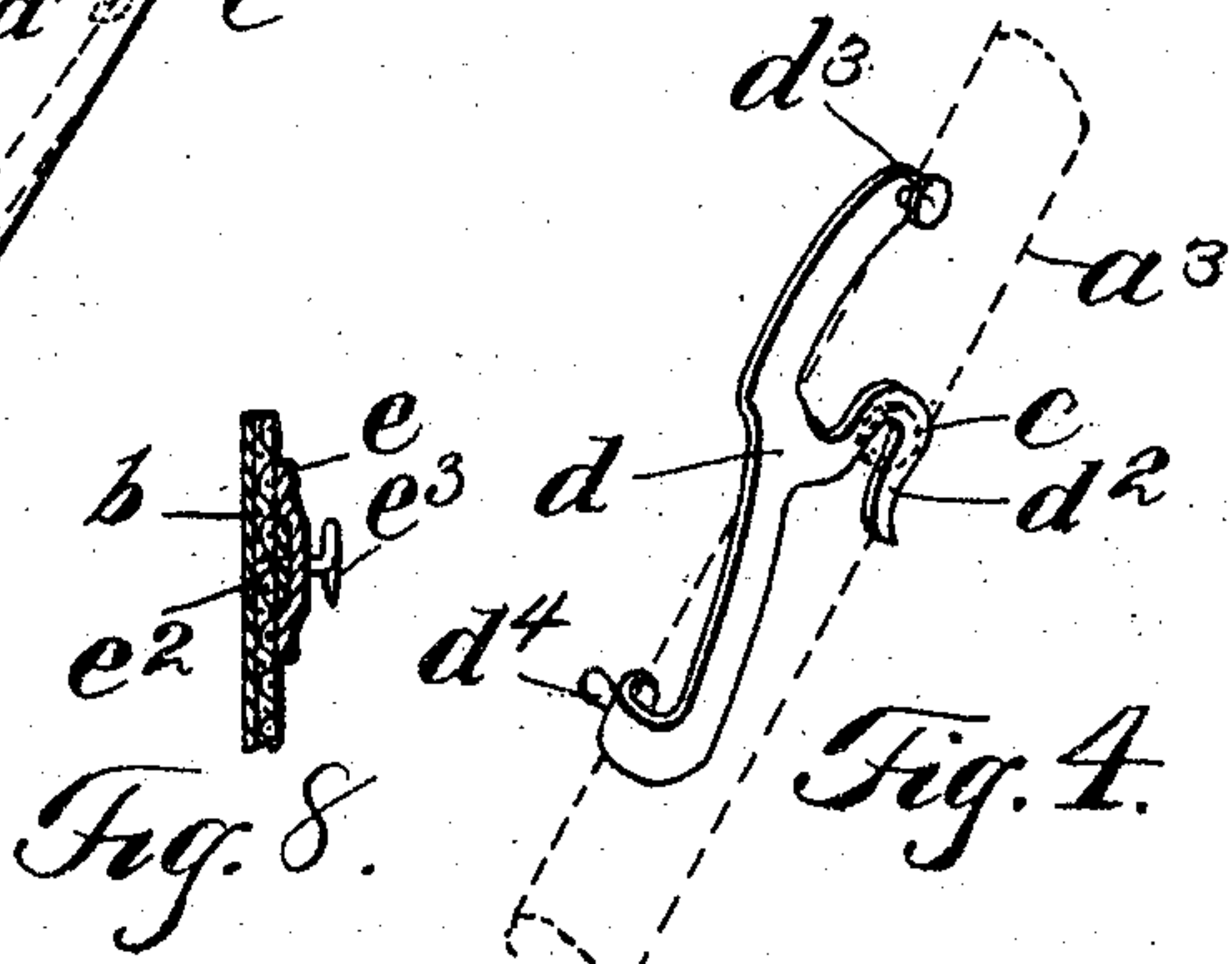


Fig. 4.

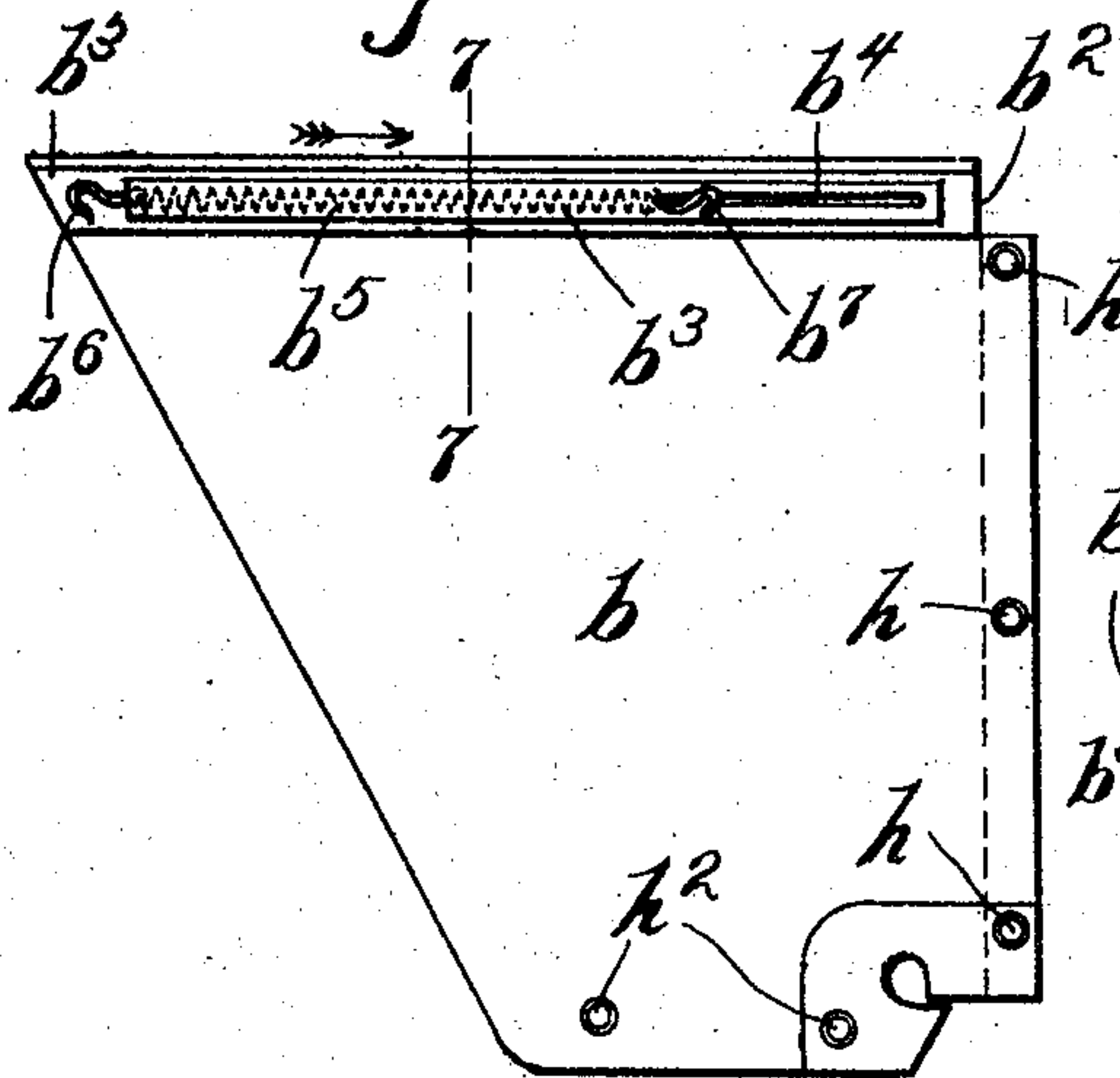


Fig. 2.

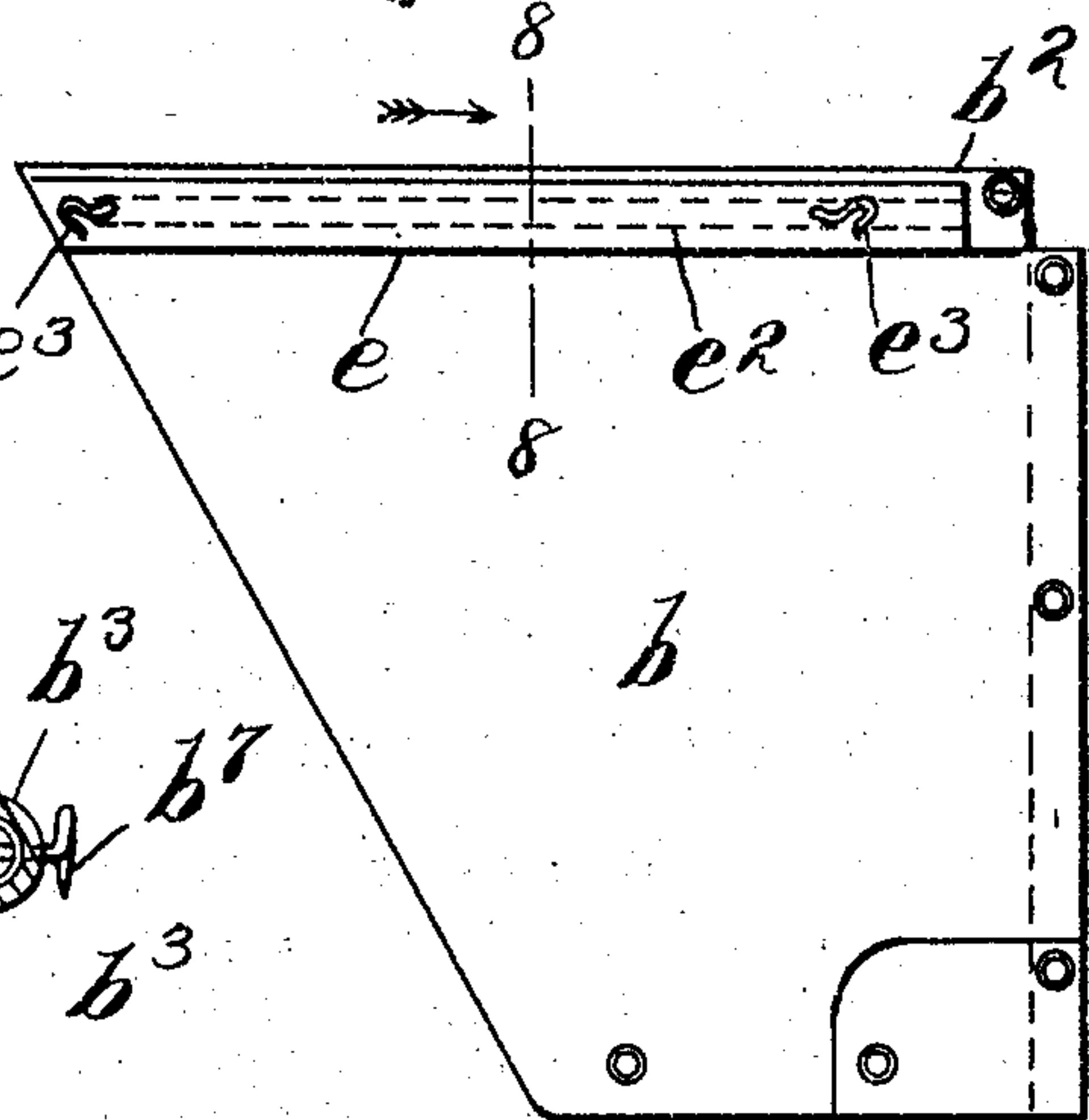


Fig. 3.

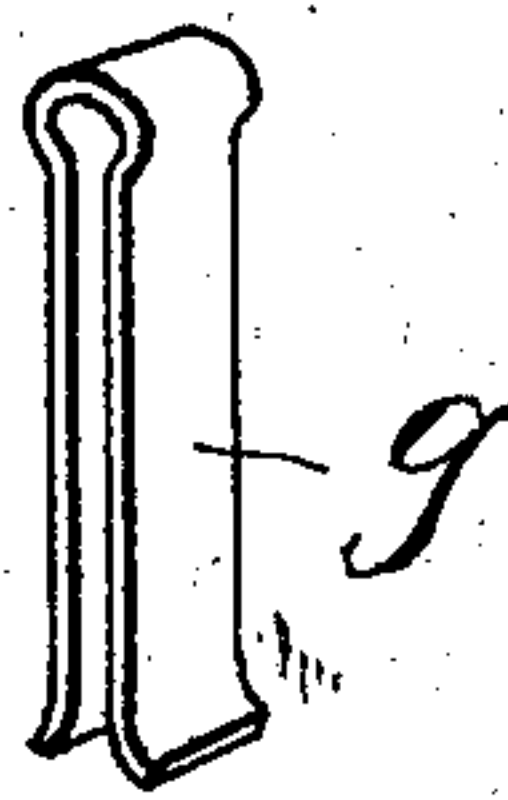


Fig. 6.

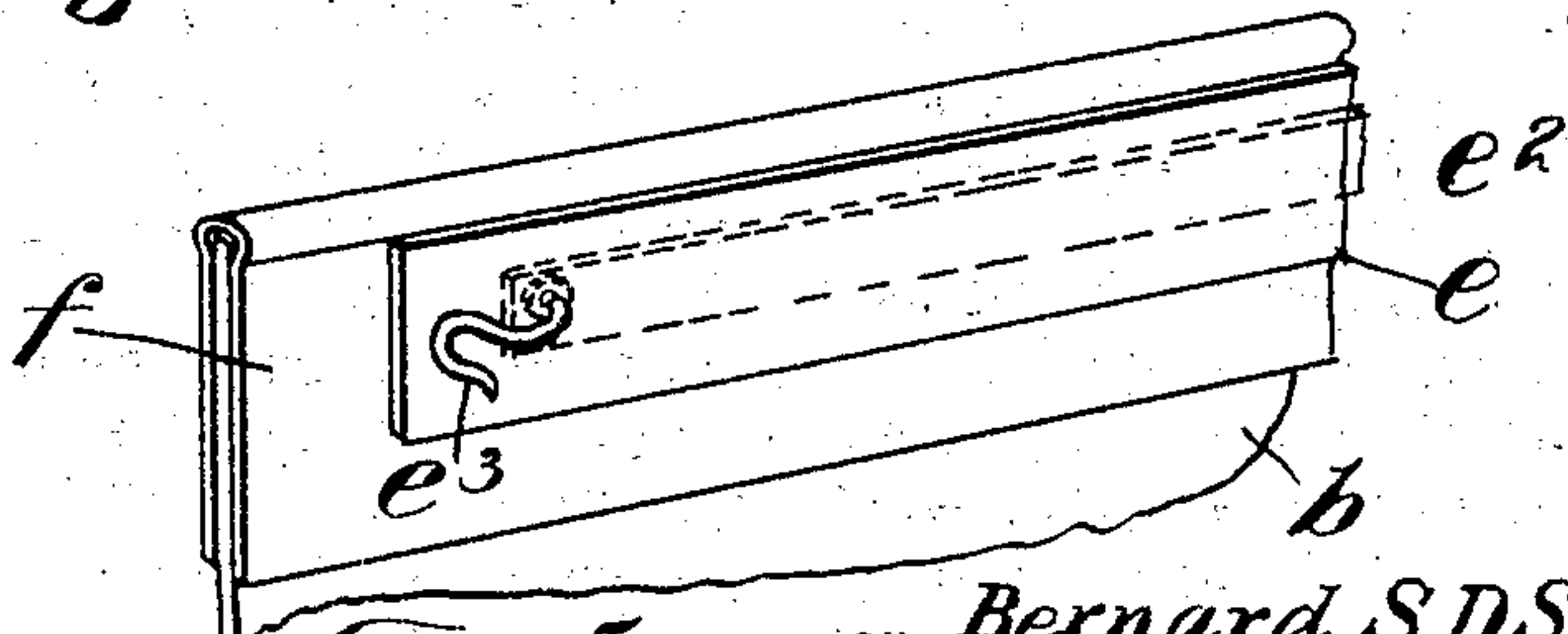


Fig. 5.

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# UNITED STATES PATENT OFFICE.

BERNARD S. D. S. MARTIN, OF McPHERSON, KANSAS.

## SIDE CURTAIN FOR BUGGIES.

SPECIFICATION forming part of Letters Patent No. 772,525, dated October 18, 1904.

Application filed January 19, 1904. Serial No. 189,688. (No model.)

*To all whom it may concern:*

Be it known that I, BERNARD S. D. S. MARTIN, a subject of the King of Great Britain, residing at McPherson, in the county of McPherson and State of Kansas, have invented certain new and useful Improvements in Side Curtains for Buggies and Similar Vehicles, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide improved side curtains and side-curtain supports or holders for buggies or similar hooded vehicles whereby the curtain will not sag at the top and admit drafts, rain, or sunlight; and with this and other objects in view the invention consists in a side curtain and holder for buggies or other hooded vehicles constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a side view of the top of a buggy provided with my improvement; Fig. 2, an inside view of one of the curtains; Fig. 3, a view similar to Fig. 2, showing a modification; Fig. 4, a detail view showing part of my improved curtain-holder; Fig. 5, a perspective view of the top portion of a curtain and showing another modification; Fig. 6, a perspective view of a clamp which I employ; Fig. 7, a section on the line 7 7 of Fig. 2, and Fig. 8 a section on the line 8 8 of Fig. 3.

In the drawings forming part of this specification, reference being made to Fig. 1, I have shown the top portion of a buggy, comprising a hood  $a$  and the usual framework consisting of transverse ribs  $a^2$  and side arms  $a^3$  connected with or forming a part of said ribs in the usual manner, said side arms being pivoted at  $a^4$  to the opposite side frames of the seat.

In the practice of my invention, reference being made to Figs. 1 and 2, I provide a side curtain  $b$ , two of which are employed, and the side arms  $a^3$  are provided at the usual points with buttons  $c$ , to which the top portion of

the side curtains are usually secured; but in my improvement, as shown in Figs. 1 and 2, the curtain  $b$  is provided with a top extension  $b^2$ , which may be formed integrally with the body portion of the curtain or be secured thereto, and to the inner side of the extension  $b^2$  of the curtain is secured longitudinally of the top thereof a keeper  $b^3$ , provided near one end, preferably the back or rear end, with a slot  $b^4$ , and mounted in the keeper  $b^3$  is a spring  $b^5$ , provided at one end with a hook  $b^6$ , which projects through the end portion of said keeper, and at the opposite end with a hook  $b^7$ , which extends through the slot  $b^4$ . In practice the spring  $b^5$  is mounted in a raised portion of the keeper  $b^3$  and the hook  $b^6$  projects through the end of said raised portion, and when the curtain  $b$  is in position the top extension  $b^2$  thereof fits within the side portion of the hood member  $a$ , the bottom edge of which is shown at  $a^5$  in Fig. 1. The hooks  $b^6$  and  $b^7$  may be connected with the hood rib members  $a^2$ , front and back, in any desired manner, and this will hold the curtain  $b$  in proper position and will prevent the sagging of the top thereof and so hold it that the side portions of the hood member  $a$  will overlap the top portions of the curtains at the opposite sides of the top of the vehicle, and this will prevent drafts or rain from entering over the side curtains. In practice, however, I prefer to employ the device shown in Fig. 4 for the purpose of connecting the ends of the spring or the hooks  $b^6$  and  $b^7$  with the top frame of the buggy or with the rib members  $a^2$  or side arms  $a^3$ . This device consists of an arm  $d$ , provided centrally with a hook member  $d^2$ , which is adapted to engage the buttons  $c$  on the front and back side arms  $a^3$ . Two of these arms  $d$  are employed, as will be understood and as is indicated in dotted lines in Fig. 1, and the upper ends of these arms are provided with knobs, buttons, hooks, or similar devices  $d^3$ , with which the hooks  $b^6$  and  $b^7$  are adapted to be connected, and the lower ends of the arms  $d$  are provided with laterally-directed hook members  $d^4$ , which are adapted to fit on and rest on the front and back side arms  $a^3$  below the buttons  $c$ , and when the hooks  $b^6$  and  $b^7$  are connected with the upper ends of the arms



$d$  in the manner described the top portions of the curtains  $b$  at the opposite sides of the buggy-top will be securely held in position.

In Figs. 3 and 8 I have shown a modification in which I substitute for the keeper  $b^3$  a somewhat similar keeper  $e$ , in which is placed a bar, rod, or similar device  $e^2$ , (shown in section in Fig. 8 and in dotted lines in Fig. 3,) and this bar, rod, or similar device  $e^2$ , which may be made of wood, metal, rubber, or any suitable material, is provided at each end with a hook  $e^3$ , the said hooks being projected through the keeper  $e$  and being adapted to be connected with the side frame members of the buggy-top, as hereinbefore described with reference to the hooks  $b^6$  and  $b^7$ , which are connected with the spring  $b^5$ .

Instead of employing the construction shown in Figs. 3 and 8 I may when it is desired to repair old curtains or apply my improvement to old curtains proceed as shown in Fig. 5, in which case I mount on or secure on the top portion of the curtain or curtains a longitudinal keeper  $f$ , which is U-shaped in cross-section and into which the top of the curtain is passed, and the keeper  $e$  is secured to one side of the keeper  $f$  and is provided with the hooks  $e$ , as shown in Fig. 3. The keeper  $f$  may be connected with the curtain  $b$  by means of a U-shaped clamp  $g$  (shown in Fig. 6) and adapted to be passed down over said keeper, so as to clamp the sides thereof to the curtain, and it will be understood that in practice the keeper  $f$  is preferably made of flexible material for this purpose; but said keeper  $f$  may be made of any desired material and may be secured to the top of the curtain in any preferred manner.

The curtain is also provided with the usual back eyelets  $h$  and bottom eyelets  $h^2$ , by means of which it may be connected with the back portion of the top of the buggy and with the bottom side portions thereof, and straps or other devices may be used for a similar purpose.

Although I have shown the ends of the holder as finished with hooks  $e$ , yet the same ends may be finished with a ring or in any desirable way, and the arm  $d$  or any suitable catch may be permanently attached to the holder.

My invention is not limited to the exact details of construction herein shown and described, and I reserve the right to make all such alterations therein as fairly come within the scope of the invention.

It is a well-known fact that buggy-tops or the hoods of buggies or similar vehicles vary in size and that the side curtains correspondingly vary in size, and it is frequently very difficult to supply new curtains by reason of this fact; but it will be apparent that my im-

provement may be applied to curtains of any dimensions and that a curtain which is slightly too large across the top may still be secured in position by means of my improvement by crimping the top portion thereof, and the connecting device or devices, especially when the spring  $b^5$  is employed, are adjustable to curtains of different widths, and instead of using a bar  $e^2$  for the purpose herein specified of a certain definite length said bar may also be made adjustable longitudinally, so as to adapt the device to the tops of buggies or other hooded vehicles which vary in dimensions front and back.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A side curtain for buggies or other vehicles provided at the top with a longitudinally-arranged keeper in which is mounted a spring-holder, the opposite ends of which are adapted to be connected with the front and back frame members of the hood of the vehicle, substantially as shown and described.

2. A side curtain for buggies or other hooded vehicles provided at the top with an extension adapted to fit within the sides of the hood, said extension being provided with a holder having attaching devices at its opposite ends by means of which the curtain is connected with the front and back members of the hood-frame, substantially as shown and described.

3. The combination with the front and back members of the hood-frame of a vehicle of attaching-arms pivoted thereto and provided at their lower ends with laterally-directed hook members adapted to rest on said frame members, and a curtain provided at the top with a longitudinally-arranged keeper the opposite ends of which are adapted to be connected with the upper ends of said arms, substantially as shown and described.

4. A side curtain for hooded vehicles, said curtain being provided at the top with a longitudinally-arranged keeper, a holder mounted in said keeper and provided at each end with a means whereby the said ends may be detachably connected with the front and back members of the hood-frame, consisting of arms pivoted to said front and back members and the lower ends of which are adapted to rest thereon, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 14th day of January, 1904.

BERNARD S. D. S. MARTIN.

Witnesses:

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ROBT. N. FOUTS.