

(No Model.)

J. L. BUCKINGHAM.
SLIDING STAPLE FOR HASPS.

No. 513,667.

Patented Jan. 30, 1894.

Fig. 1.

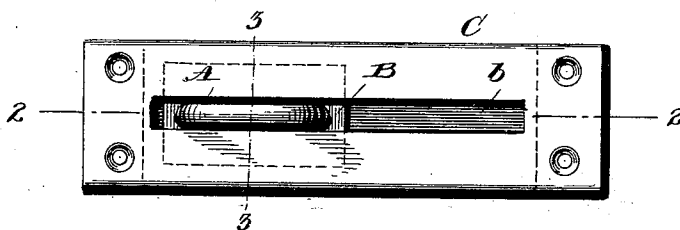


Fig. 2.

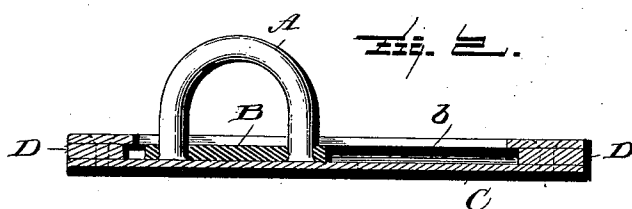


Fig. 3.

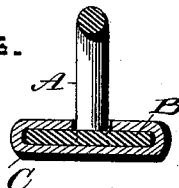
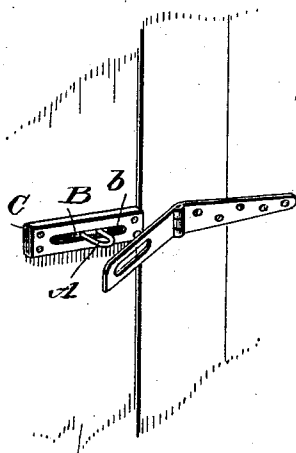


Fig. 4.



Witnesses:

L. C. Mills.
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UNITED STATES PATENT OFFICE.

JOHN L. BUCKINGHAM, OF HERMOSA, SOUTH DAKOTA.

SLIDING STAPLE FOR HASPS.

SPECIFICATION forming part of Letters Patent No. 513,667, dated January 30, 1894.

Application filed June 24, 1893. Serial No. 478,762. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. BUCKINGHAM, a citizen of the United States, residing at Hermosa, in the county of Custer and State of South Dakota, have invented certain new and useful Improvements in Sliding Staples for Hasps, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in staples for use in connection with hasps, and it has for its objects among others to provide a simple staple which will automatically accommodate itself to a
15 hasp on a door when the door expands or contracts by the action of the changes of the weather. It is a well known fact that if a door be fitted with a hasp and a staple be arranged to co-operate therewith, or if the door
20 shrinks the hasp will not fit over the staple, and the same result takes place should the door swell during wet weather. I propose to overcome this difficulty. I mount the staple to slide in a bearing which is fixedly secured
25 to the support so that the staple may automatically be moved as it is engaged by the hasp in an endeavor to close the latter over the staple, so that the hasp will be engaged with the staple no matter whether the door
30 swell or shrink, without the necessity of withdrawing the staple from its support as heretofore.

Other objects and advantages of the invention will hereinafter appear and the novel
35 features thereof will be specifically defined by the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part
40 of this specification, and in which—

Figure 1 is an elevation of my improved staple. Fig. 2 is a longitudinal section through the same on the line 2—2 of Fig. 1. Fig. 3 is a cross section thereof on the line 3—3 of Fig. 1. Fig. 4 is a perspective detail showing the application of my improvement.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates a staple which is
50 fixed on a plate B.

C is a housing or support which is preferably formed of sheet metal folded upon itself as seen best in Figs. 3 and 4 and provided with a longitudinal slot *b* as seen in Figs. 1 and
55 4 through which the staple is designed to project and slide freely. The ends of the tubular part C are closed by filling pieces D as seen in Figs. 1 and 2, or they may be left open if preferred. If filling pieces are employed
60 they may be held in position in any suitable manner. The plate B which carries the staple is of sufficient width to extend under the upper or outer wall of the part C sufficiently to prevent its displacement as shown in the
65 various views so that while the staple is free to move lengthwise of the part C still it cannot become displaced.

In use the part C is secured to the door frame or other part or support and the hasp
70 affixed to the door in the usual manner. The staple being free to slide either way in its guide part C it will be readily seen how easily the hasp can be engaged thereover no matter whether the door swell or shrink. The parts
75 will be as securely held as if the staple were of the usual kind and fixed in its support.

What I claim as new is—

The herein described staple consisting of a housing of sheet metal bent into the form of
80 a tube and having a longitudinal slot, filling pieces in the ends of the tube, a plate held within the tube to slide lengthwise thereof, and a staple secured to said plate with its legs passed through said slot and movable with
85 the plate lengthwise of the tube, substantially as shown and described.

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

JOHN L. BUCKINGHAM.

Witnesses:

MILTON R. MAXSON,
EMERY T. ERB.