

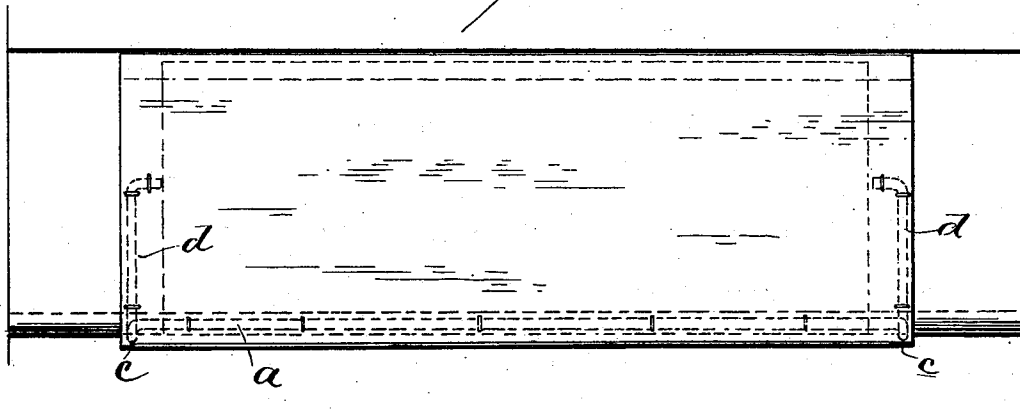
(No Model.)

J. W. ZIMMERMAN.  
STAIR COVER OR MAT.

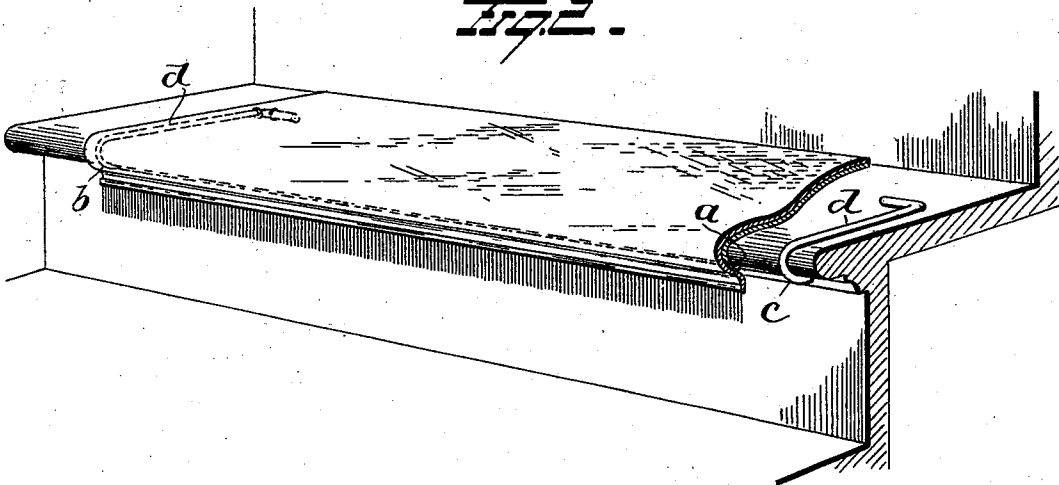
No. 507,725.

Patented Oct. 31, 1893.

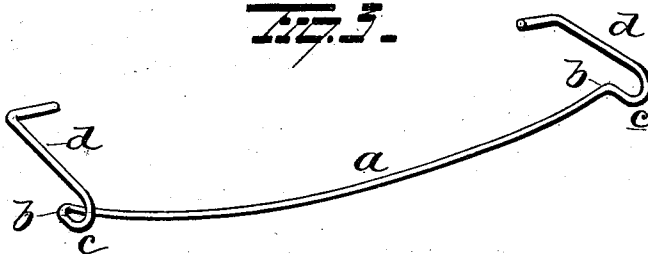
**Fig. 1.**



**Fig. 2.**



**Fig. 3.**



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# UNITED STATES PATENT OFFICE.

JOHN WESLEY ZIMMERMAN, OF WILMINGTON, NORTH CAROLINA.

## STAIR COVER OR MAT.

SPECIFICATION forming part of Letters Patent No. 507,725, dated October 31, 1893.

Application filed April 21, 1892. Serial No. 430,041. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN WESLEY ZIMMERMAN, a citizen of the United States, residing at Wilmington, in the county of New Hanover, State of North Carolina, have invented a new and useful Stair Cover or Mat, which is composed of a piece of carpet and a spring, of which the following is a specification.

My invention consists, first, of a wire spring bent so that the middle portion fits underneath the nosing of the treadboard, of a stairway step, and the ends extend around the front of the nosing and across the treadboard toward the back of the same at right angles to the middle portion of the spring; second, of a piece of carpet cut to go on the tread-board and nosing only and not on the riser, to the under side of which carpet the spring is secured; third, of a manner of securing the pad to the carpet.

The objects of my invention are, first, to provide means for holding the carpet and pad to the tread-board without the use of tacks, except at the back edge of the tread-board, and to facilitate the fastening of the carpet-mat to the treadboard; second, to provide a carpet for a stairway that covers only the tread-board and nosing, and to provide use for scrap carpet as the carpet for each step need not all be of the same pattern or figure; third, to provide a pad for the carpet which in conjunction with the spring remains in position without being fastened to the step, and is placed upon or removed from the step at the same time with the carpet.

In the accompanying drawings Figure 1 is a plan view of my improved stair carpet mat showing it applied to a stair tread. Fig. 2 is a view in perspective, and Fig. 3 is a detached perspective view of the spring to which the pad is attached.

Throughout the specification and drawings like letters refer to the same parts.

In the following detailed description it must be borne in mind that the spring is secured to the under side of the stair-mat.

In Fig. 1 *a* is the portion of the wire spring that holds the carpet closely underneath the nosing of the step. At *b* the spring is bent outward toward the front edge of the nosing. *c* is the bent portion that fits around the nosing, and *d* is the end of the spring that fits closely upon the upper face of the tread-board at a right angle with *a*. The shaft, *a*, of

the spring is curved as shown in Fig. 1 and there is a slight upward bend of the spring at *b*, the combined result of both of which is that the parts of the spring *b*, *c*, *d*, clamp the step firmly, and that the edge of the carpet is held tightly and smoothly under the nosing. The pressure of *a* against the nosing and riser causes a strong lateral pressure in the ends *d*, *d*, which holds the carpet smooth and even upon the tread-board. The parts *d*, *d* are in a direction at right angles with *a*.

Fig. 2 shows the spring when in position on the treadboard. When in use the spring is secured to the under side of the piece of carpet after the latter has been cut the proper size for the step. The spring is then placed upon the step with the parts *c*, *c* fitting around the nosing, and the parts *d*, *d* resting firmly against the treadboard, all holding the carpet smoothly and firmly upon the same.

Fig. 3 is intended to show the carpet, pad and spring in conjunction, completed and upon the step. The pad is the ordinary pad for stair carpet so far as its structure is concerned, but instead of securing it to the treadboard it is secured to that part of the carpet edge that fits against the riser of the step above. It will be seen then, the spring being first secured to the carpet, that the carpet and pad are both placed upon and held to the step by the spring and may be removed or replaced at will, and that besides the spring no other fastening is necessary except one or two tacks along the edge of the carpet that fits against the riser of the step above.

Now what I claim is this—

1. A padded mat for stair tread, consisting of a spring bent to take under the nosing of a stair tread and arms at the ends thereof adapted to lie transversely over the tread, and the pad secured to the spring, substantially as set forth.

2. A padded mat for stair tread consisting of a spring the central portion of which is curved inwardly and upwardly to engage under the nosing of a stair tread and the ends bent approximately at right angles to the central portion, and a pad secured to the spring, substantially as set forth.

JOHN WESLEY ZIMMERMAN.

Witnesses:

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