No. 826,621. PATENTED JULY 24, 1906.

J. H. STICHT.

STAIRWAY.

APPLICATION FILED MAR. 11, 1905.

Fig 1.

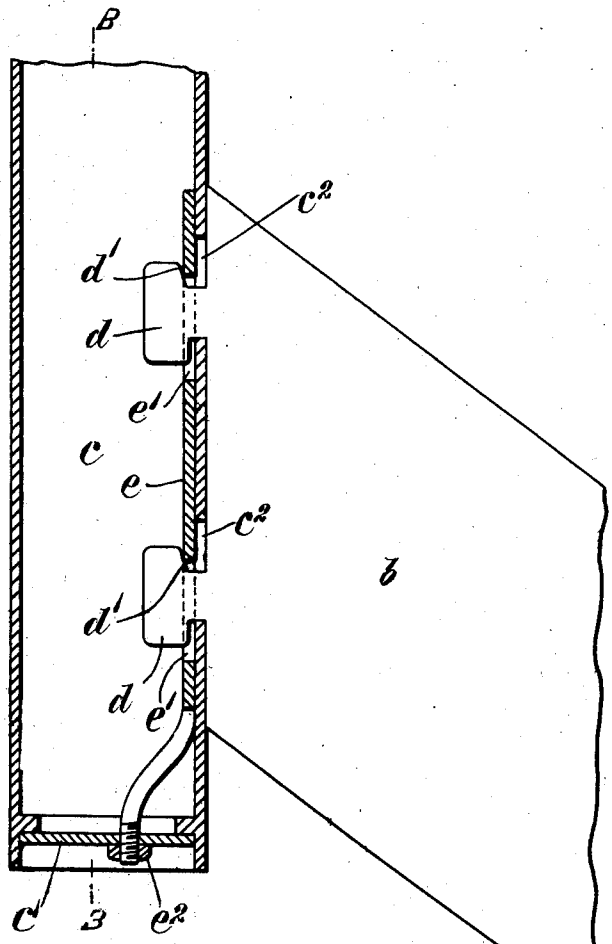
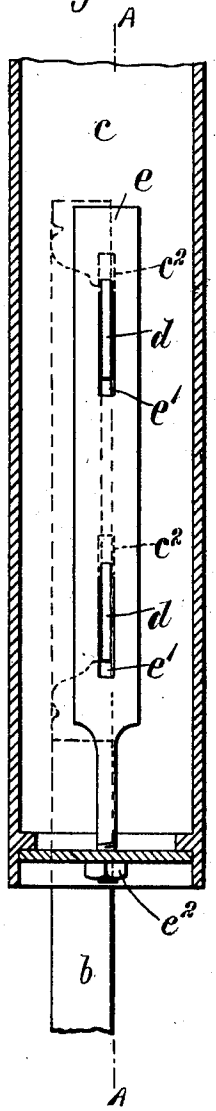


Fig 2.



Witnesses

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JOHN HENRY STICHT, OF WESTMOUNT, CANADA.

STAIRWAY.

No. 826,621. Specification of Letters Patent. Patented July 24, 1906.

Application filed March 11, 1905. Serial No. 249,661.

To all whom it may concern:

Be it known that I, JOHN HENRY STICHT, of No. 4836 Sherbrooke street, in the town of Westmount, Province of Quebec, Canada, have invented certain new and useful Improvements in Stairways; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates particularly to the means for connecting the stringers of a stairway to the newel-posts; and it has for its object to provide a connecting device whereby a stringer can be rigidly connected to a newel-post without the use of visible bolts, angles, or other connections by manipulating the same from the interior of one end of, preferably, the newel-post.

The invention may be said, briefly, to consist of one or more keys carried rigidly by one of the parts to be connected and adapted to project through slots in the other part, the side of such key or keys adjacent to the part upon which it is carried being beveled, a locking-bar constructed to present a portion to fit between the beveled side of the key or keys and the part through which the latter project, and means whereby such locking-bar is adjusted for the purpose of tightening the parts together.

For full comprehension, however, of my invention reference must be had to the accompanying drawings, in which similar reference characters indicate the same parts, and wherein—

Figure 1 is a vertical sectional view of a newel-post with a stairway-stringer connected thereto according to my invention, the section being taken on line A A, Fig. 2. Fig. 2 is a similar view taken on line B B, Fig. 1.

The stringer *b* and the newel-post *c*, which is hollow and has a rigid transverse plate *c'* near its lower end, are of usual construction.

According to my invention the ends of the stringer (one end only of the latter is shown) are constructed with preferably a pair of keys *d* of T form, having the edges of the flanges thereof adjacent to the stringer beveled, as at *d'*, and slots c^2 are formed in the side of the newel-post to allow of the keys *d* being inserted therethrough, while a locking-bar *e*, slotted, as at *e'*, is fitted over the keys as they project into the interior of the newel-post, and the lower end thereof is diminished and screw-threaded to project through a perforation in the bottom plate *c'* and receive a nut e^2.

In assembling the parts of a stairway according to my invention the keys *d* are first inserted through the slots c^2. The locking-bar *e* is then fitted in place and the nut e^2 is tightened, thereby wedging the portions of such bar above the slots therein tightly between the beveled sides of the keys and the side through which they project of the post.

What I claim is as follows:

1. Means rigidly connecting a stringer and a hollow post together, consisting of a device carried by the stringer and adapted to extend through a slot in the post, such device having an inclined bearing-face, a slidable locking device adapted to be moved into locking engagement with the said bearing-face and means whereby the said locking device is moved to and from locking engagement with the first-mentioned device.

2. Means rigidly connecting a stringer to a hollow newel-post consisting of a key carried by the end of the stringer and presenting a beveled face toward the end of the stringer and adapted to extend through a slot in the post, a slotted slidable locking-bar presenting a portion engaging between the beveled face of the key and the wall of the post through which the key projects and means whereby the said locking-bar is operated from the end of the newel-post.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN HENRY STICHT.

Witnesses:

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