June 4, 1935. J. BIRTCHER 2,003,876

STAIRWAY

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Fig. 1.

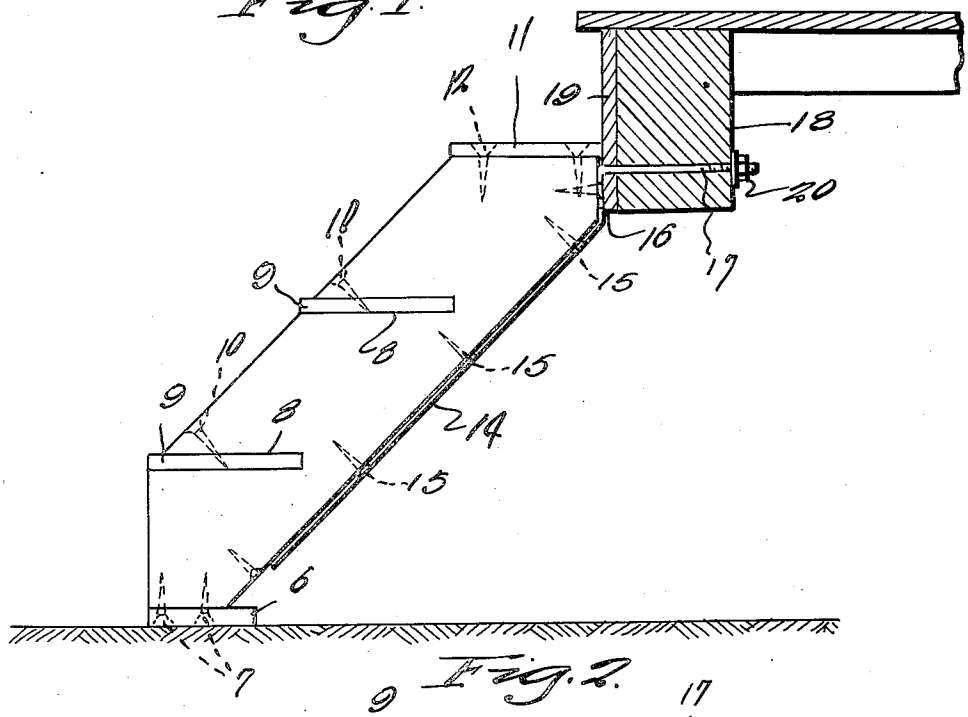
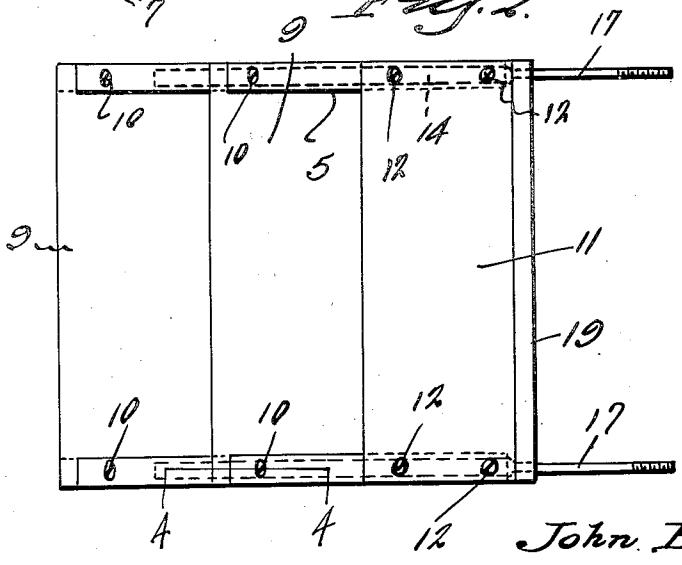


Fig. 2.



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Fig. 5.

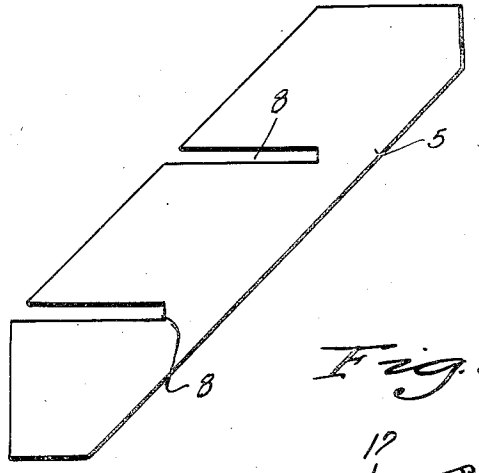


Fig. 6.

Fig. 3.

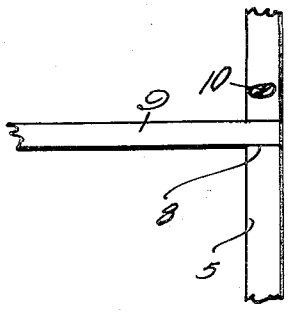
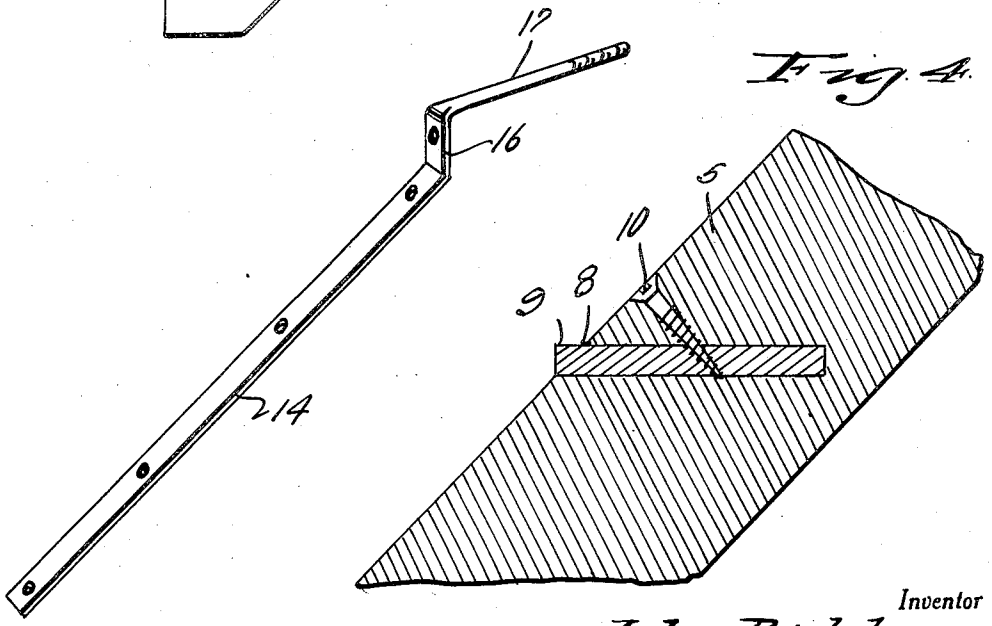


Fig. 4.



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UNITED STATES PATENT OFFICE

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STAIRWAY

John Birtcher, Memphis, Tenn.

Application November 21, 1934, Serial No. 754,142

2 Claims. (Cl. 20—10)

The present invention relates to a stairway and the object of the invention resides in the provision of a sturdy structure which is simple, extremely easy and quick to assemble and disassemble, thoroughly efficient and reliable in use and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention consists in certain novel features of construction, and in the combination and arrangement of parts as will hereinafter be more fully described and claimed.

In the drawings:

Fig. 1 is a side elevation of a stairway embodying the features of my invention,

Fig. 2 is a top plan view thereof,

Fig. 3 is a detail elevation showing one of the tread plates in a slot provided in one of the stringers,

Fig. 4 is a detail sectional view taken substantially on line 4—4 of Fig. 2,

Fig. 5 is a detail side elevation of one of the stringers, and

Fig. 6 is a perspective view of one of the struts.

Referring to the drawings in detail, it will be seen that the numerals 5 denote a pair of stringers adapted to be situated on an incline and to rest on a mud sill 6 and to be fastened thereto by means of screws 7. These stringers have slots 8 formed therein extending rearwardly from the front edges thereof horizontally and these slots receive the treads 9 and are secured in place by screws 10 as shown to advantage in Fig. 4. The top tread 11 is secured on the upper ends of the stringers by screws 12. A pair of struts comprise elongated bodies 14 secured under the lower or rear edges of the stringers by means of screws 15. The upper ends of these bodies 14 merge into upwardly directed extensions 16 which merge into rearwardly extending bolts 17. These bolts 17 extend through a beam 18 and a plate 19 and have nuts 20 threaded thereon for securing the stairway assembly to the upper struts.

It is thought that the construction, manner of assembly and disassembly and the utility of this invention will now be quite apparent to all skilled in the art without a more detailed description thereof.

The present embodiment of the invention has been described in considerable detail merely for the purposes of exemplification since in actual practice, it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:—

1. A stairway of the class described comprising a pair of stringers having slots, treads having end portions in the slots, an upper tread on the upper edges of the stringers, struts having bodies secured under the rear or bottom edges of the stringers and at their upper ends merging into upwardly disposed extensions which in turn merge into rearwardly directed bolts adapted to extend through openings in a beam or the like.

2. A stairway of the class described comprising a pair of stringers having slots, treads having end portions in the slots, an upper tread on the upper edges of the stringers, struts having bodies secured under the rear or bottom edges of the stringers and at their upper ends merging into upwardly disposed extensions which in turn merge into rearwardly directed bolts adapted to extend through openings in a beam or the like, and a mud sill secured on the bottom ends of the stringers.

JOHN BIRTCHER.