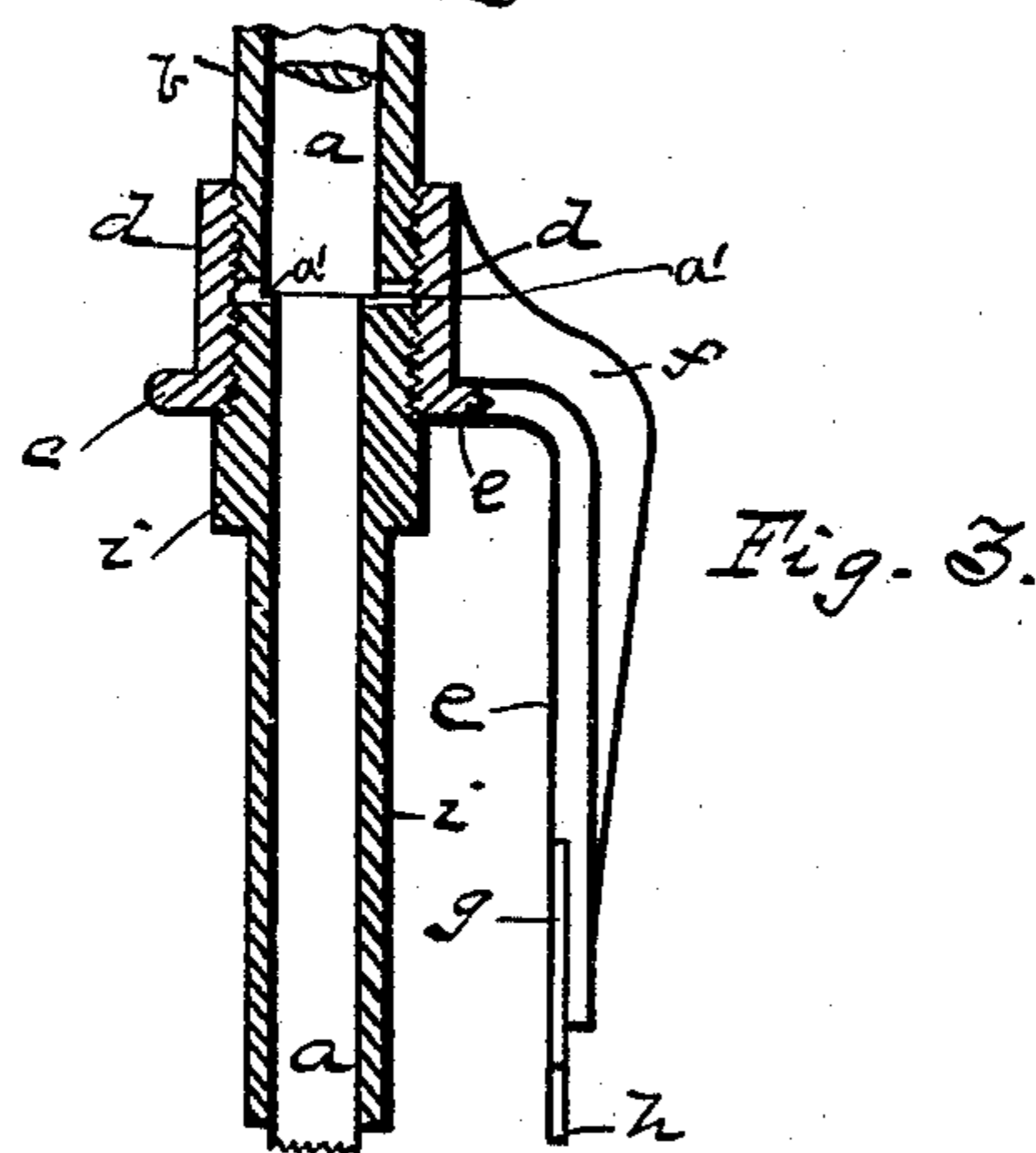
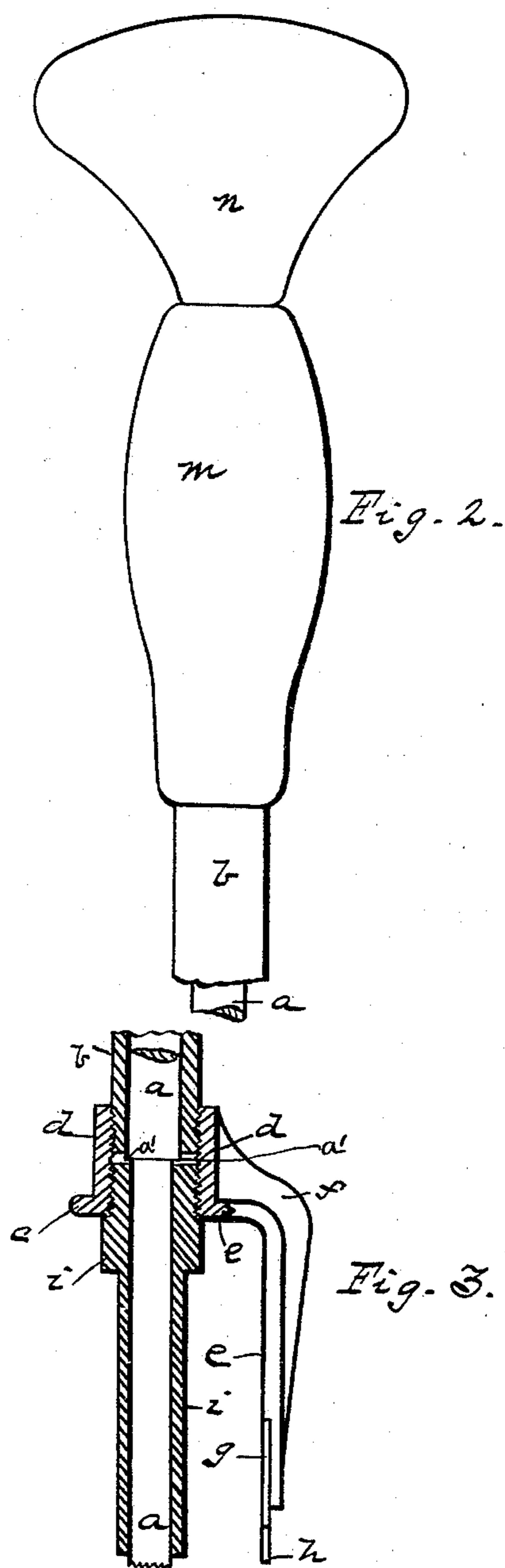
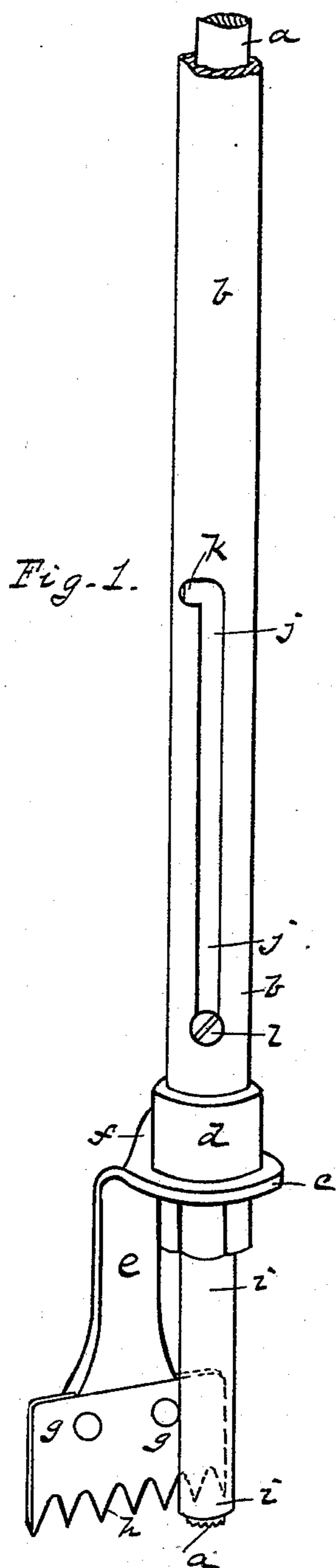


(No Model.)

F. KOEPP & J. C. GUETH.  
CARPET STRETCHER AND TACK DRIVER.

No. 395,497.

Patented Jan. 1, 1889.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

FERDINAND KOEPP AND JOHN CONRAD GUETH, OF PITTSBURG,  
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## CARPET-STRETCHER AND TACK-DRIVER.

SPECIFICATION forming part of Letters Patent No. 395,497, dated January 1, 1889.

Application filed May 9, 1888. Serial No. 273,373. (No model.)

*To all whom it may concern:*

Be it known that we, FERDINAND KOEPP and JOHN CONRAD GUETH, citizens of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in a Combined Carpet-Stretcher and Tack-Driver; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Our invention relates to an improvement in a carpet-stretcher and tack-driver; and it consists of the novel parts, as will be fully set forth hereinafter.

In the accompanying drawings, Figure 1 is a perspective view of the lower portion of an improved carpet-stretcher and tack-driver constructed in accordance with our invention. Fig. 2 is a side elevation of the upper portion of the same. Fig. 3 is a side sectional elevation of carpet-stretcher and the lower portion of the driving-rod.

To put our invention into practice, we provide a steel rod, *a*, of suitable length and inclose the same in a tube, *b*, somewhat shorter, having securely attached to the lower end a casting, *c*, consisting of a boss, *d*, in which the tube *b* is secured, and a downwardly-projecting portion, *e*, braced by a stout rib, *f*, formed on the back of the same. To the lower end of this downwardly-projecting piece *e* is secured a steel plate, *g*, the lower edge of which is provided with a series of teeth, *h*. Secured in the base of the boss *d* is a short brass tube, *i*, which receives the lower portion of the driving-rod *a*, the said rod *a* being magnetized on the point in order to lift a tack when the same is elevated into the short tube *i*. Above the point of connection between the boss *d* and tube *b* is formed in the latter an open slot, *j*, in which a short screw or pin, *l*, secured in the driving-rod *a*, is allowed to operate, which screw *l* limits the movement of the rod *a*. At the top of the tube *b* is secured a suitable handle, *m*, and at the top of the rod

*a* a heavy knob, *n*, which gives the driving-rod *a* the proper weight for driving the tacks. A reduced portion at the lower end of the driving-rod *a* forms a shoulder, which bears against the top of the small tube *i* and prevents the rod *a* breaking the screw *l*.

In operation the driving-rod *a* is elevated, and by a slight turn the screw *l* is seated in a small offset, *k*, formed at the top of the slot *j*. A tack is dropped into the open end of the small brass tube *i*, being careful to place the head next to the magnetized point of the driving-rod *a*. By means of the toothed plate *g* a grip is taken on the carpet and the device held in an inclined position. The operator now by pressure brings the carpet to the desired position, and at the same time releases the pin *l* from the notch *k* at the top of the slot *j*. The driving-rod *a* is brought forcibly down, which drives the tack into the carpet.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

A carpet-stretcher and tack-driver consisting of a tube, *b*, having a slot, *j*, provided with an offset, *k*, a guide-tube, *i*, of less diameter than the tube *b* and arranged in line therewith, a hollow threaded casting, *d*, into opposite ends of which the meeting ends of the tubes *b i* are detachably screwed, having a laterally-bent arm, *e*, arranged at one side of said guide-tube *i* and terminating in a broad toothed head, *g*, and an endwise-movable rod, *a*, fitted in said tubes *b i*, and provided at an intermediate point of its length with a shoulder, *a'*, adapted to strike the tube *i*, and with a guide-pin, *l*, which works in the slot *j*, whereby the two tubes and the casting are united without bolts, and the tacks are guided to the proper position to be driven, substantially as described.

In testimony that we claim the foregoing we hereunto affix our signatures this 23d day of January, A. D. 1888.

FERDINAND KOEPP.

JOHN CONRAD GUETH. [L. S.]

In presence of—

C. C. LEE,

M. E. HARRISON.