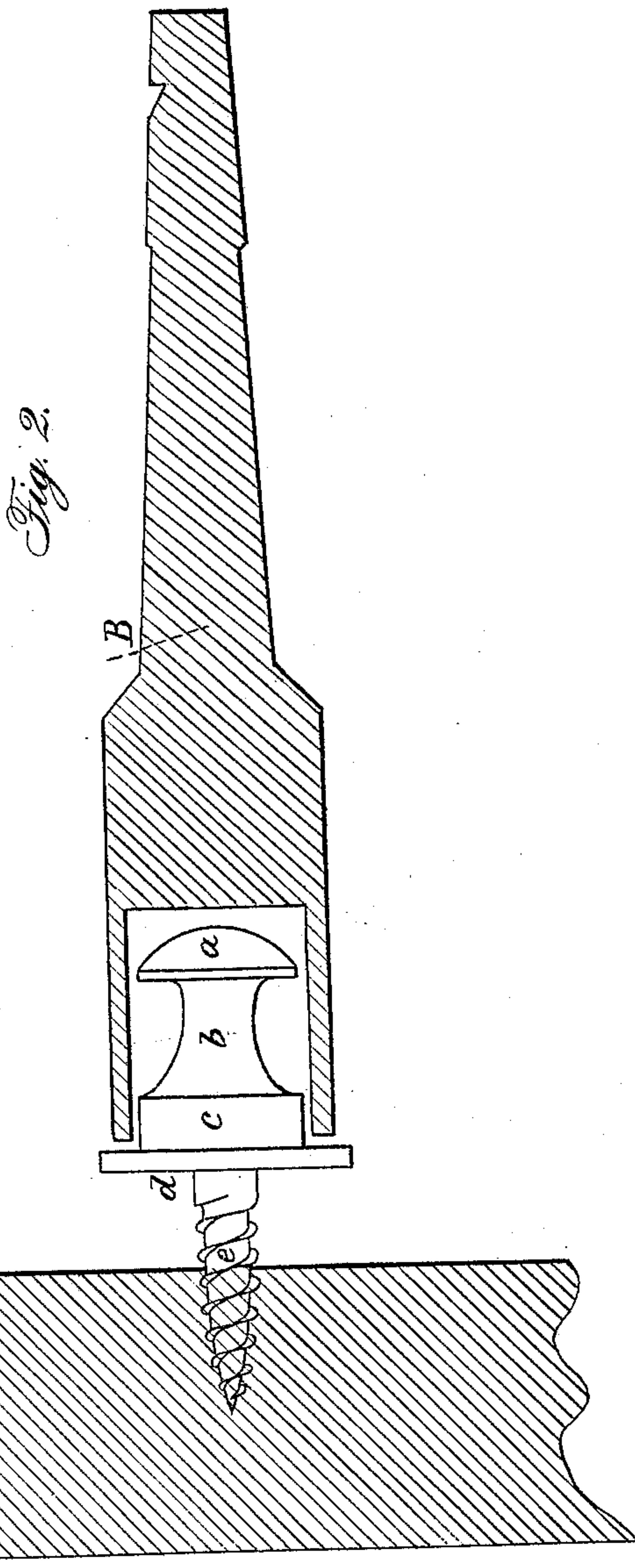
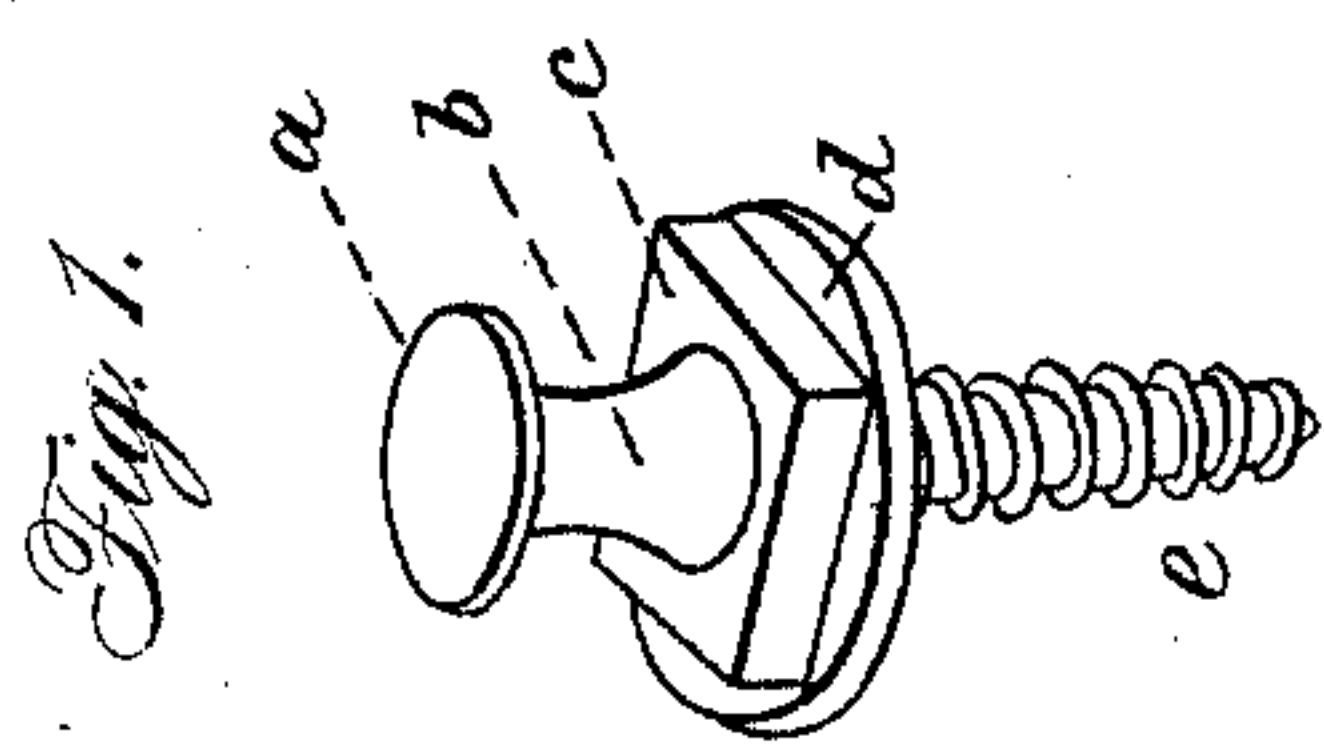
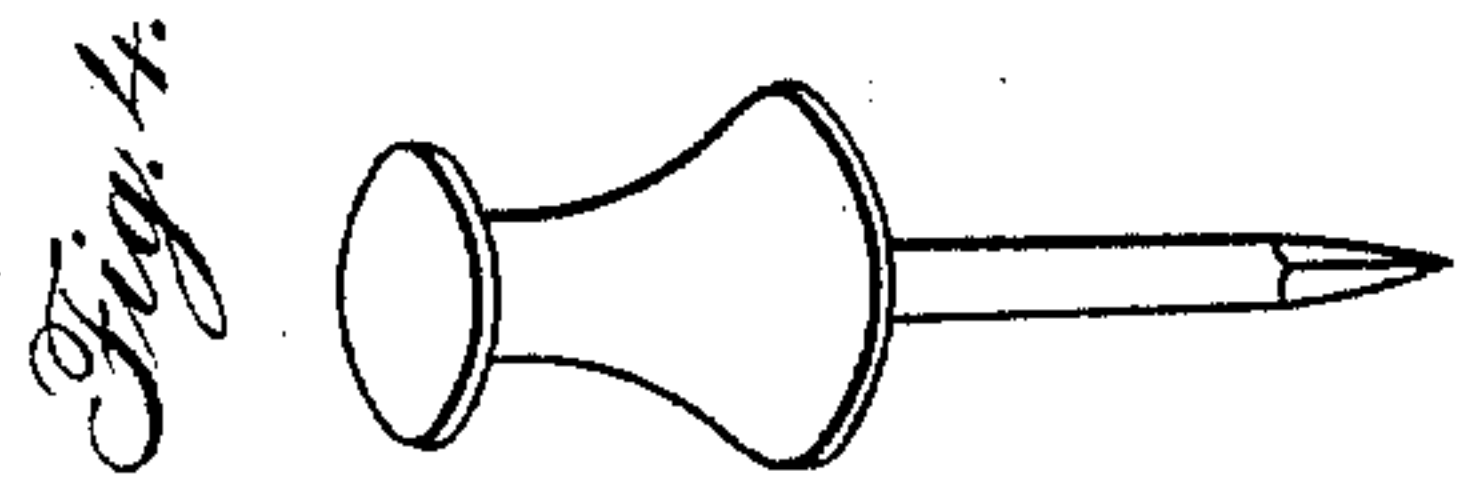
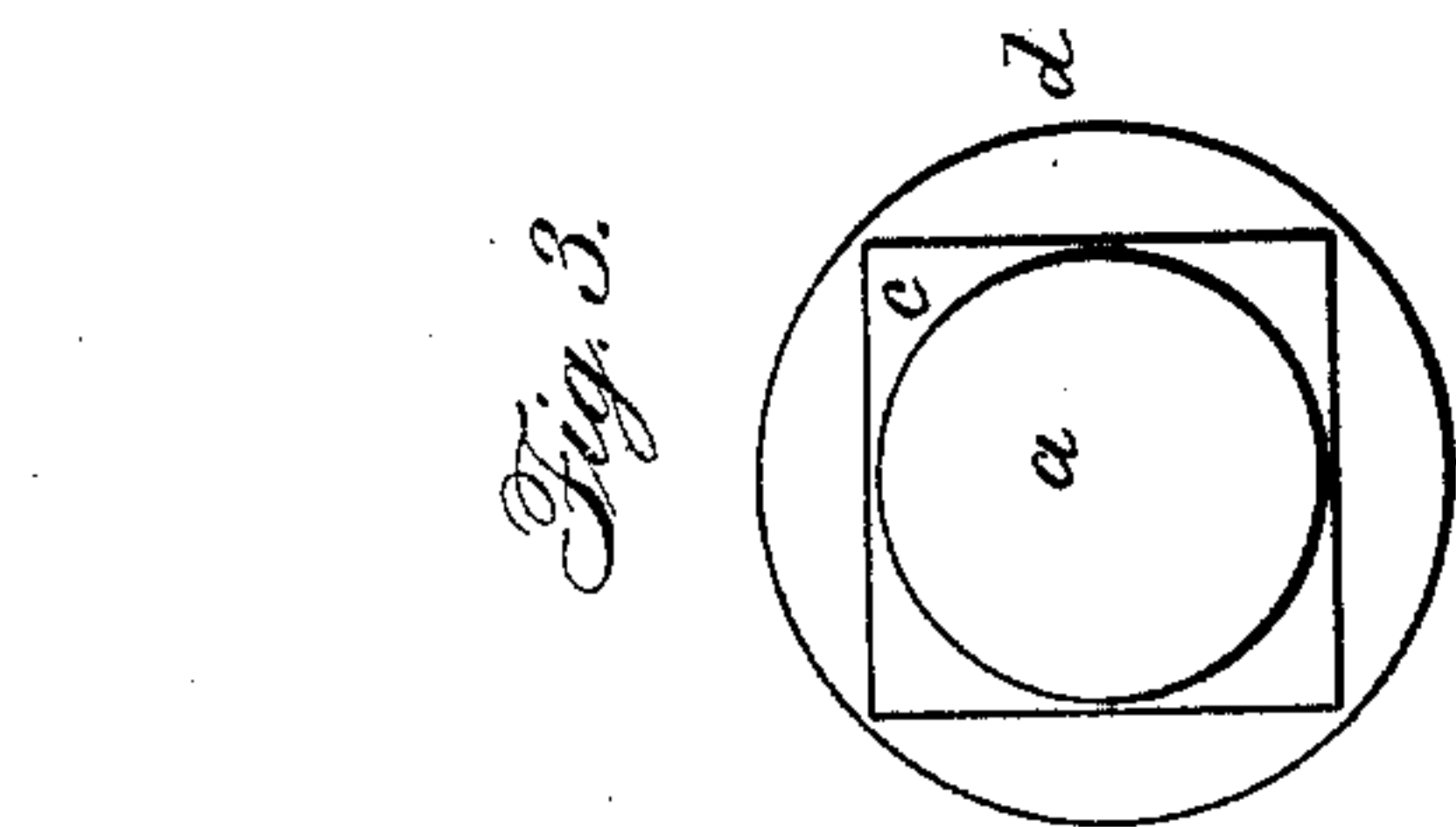


C. Z. KROH.

Carriage-Curtain Fastening.

No. 49,634.

Patented Aug. 29, 1865



Witnesses:

R. T. Campbell  
C. Schafer.

Inventor:

Calvin Z. Kroh  
by his Atty's  
Mason, Knicker & Hamence

# UNITED STATES PATENT OFFICE.

CALVIN Z. KROH, OF TIFFIN, OHIO.

## IMPROVEMENT IN CURTAIN-KNOBS.

Specification forming part of Letters Patent No. **49,634**, dated August 29, 1865.

*To all whom it may concern:*

Be it known that I, CALVIN Z. KROH, of Tiffin, in the county of Seneca and State of Ohio, have invented a new and Improved Curtain-Knob; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my improved curtain-knob. Fig. 2 shows a mode of inserting the same into wood. Fig. 3 is an enlarged top view of the knob. Fig. 4 shows one of the old forms of curtain-knob.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates particularly to an improvement on the knobs or button-fastenings which are used in trimming vehicles for the purpose of attaching the curtains. Such knobs are subjected to very rough usage when they are used as button-fastenings, and as their stems are simply straight brads with pointed ends the knobs soon draw out and are lost.

The object of my invention is to construct such knobs or curtain-fastenings in such manner that they can be readily inserted into wood and cannot be withdrawn under all ordinary usage. At the same time the fastenings will have a better finish and present a much neater appearance than the old form of knobs, as will be hereinafter described.

To enable others skilled in the art to make and use my invention, I will describe its construction and operation.

In the accompanying drawings, *a* represents the button-head of the curtain-knob, which is formed on the end of a conical neck, *b*, that has for its base a square nut, *c*, and a circular shoulder, *d*. The form of the portions *a* and *b* of the knob need not differ in any respect from those which are commonly used, but in conjunction with such a knob it will be seen, by reference to Figs. 1, 2, and 3, that I add the square base or nut *c*, which not only forms an ornamental fastening, but enables me to employ a screw-stem, *e*, by means of which the knob can be permanently secured in place.

By reference to Fig. 2 it will be seen that I employ the square nut *c* to receive a wrench, *B*, by means of which the fastenings can be quickly screwed into their proper places. If desirable, a T-wrench or a brace and socketed bit may be used for inserting the knobs. The screw-stem *e* may be turned upon a stem which is formed upon the square base-knobs; but I prefer to cast the knobs or button-heads upon the heads of tapering-pointed wood-screws.

In Fig. 4 an old form of curtain-knob is shown, from which it will be seen that there is no provision made for preventing this fastening from being drawn out of place, except in some instances where the points of the stems or brads are clinched, which is always objectionable as liable to split the part through which the knob-stems are driven.

By my invention I am enabled to insert the screw-stems of the knobs without using a hammer, which in the old forms of knobs batters and very often breaks off their button-heads.

The enlarged circular shoulder *d*, which forms the base for the nut *c*, serves two purposes, viz.: It serves as an abutment for the end of the wrench *B*, and also prevents the corners of the nut or square base *c* from abrading the surface of the wood in the act of inserting it.

The nuts *c* may be made octagonal or polygonal; but the simplest form is that represented in the drawings.

I do not claim a square or angular enlargement on a screw, in itself considered; but,

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The new article of manufacture, as herein described, consisting of the screw *e*, flange *d*, square or angular enlargement *c*, neck *b*, and head *a*, all united together for the purpose set forth.

CALVIN Z. KROH.

Witnesses:

THOS. H. BERRY,  
SAML. CHANCE.