

(No Model.)

J. KNOLL.
PIN FOR SECURING GARMENTS.

No. 465,863.

Patented Dec. 29, 1891.

Fig. 1

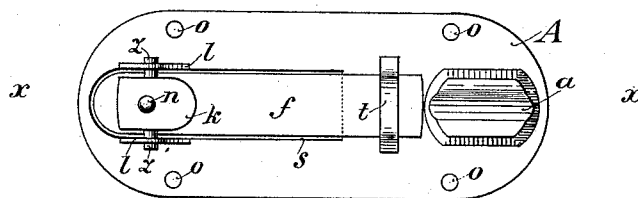


Fig. 2

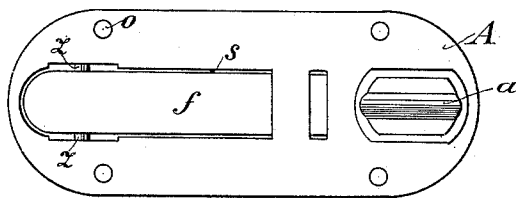


Fig. 3

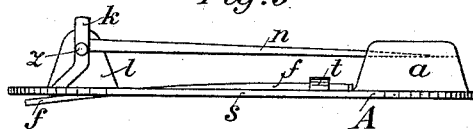


Fig. 4

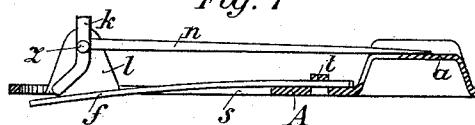
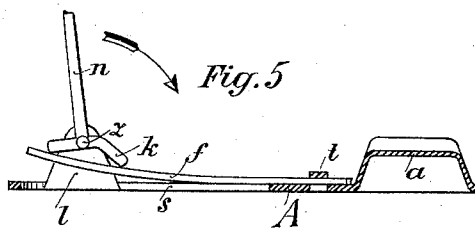


Fig. 5



Witnesses:
C. S. Champion.
E. L. Richards.

Inventor:
Johann Knoll
By Richardson
Attorneys.

UNITED STATES PATENT OFFICE.

JOHANN KNOLL, OF REISCHDORF, AUSTRIA-HUNGARY.

PIN FOR SECURING GARMENTS.

SPECIFICATION forming part of Letters Patent No. 465,863, dated December 29, 1891.

Application filed October 23, 1890. Serial No. 369,126. (No model.)

To all whom it may concern:

Be it known that I, JOHANN KNOLL, manufacturer, residing at Reischdorf, Bohemia, Austria-Hungary, a subject of the Emperor of Austria, have invented certain new and useful Improvements in Pins for Securing Garments; and I do hereby declare the following to be a full, clear, and exact description of the same.

10 The object of the present invention is a pin which serves to attach articles of clothing quickly and easily together—as, for example, the bib of an apron to the dress.

In the accompanying drawings, forming a part of this specification, Figure 1 is a top plan view of a pin embodying my improvements. Fig. 2 is a bottom plan view. Fig. 3 is a side view. Fig. 4 is a vertical section following line *xx* of Fig. 1, the pin being closed. 20 Fig. 5 is a vertical section following line *xx* of Fig. 1, the pin being open.

The pin is composed of a foundation-plate A, in which an oblong slit *s*, a narrow bridge *t*, and two upright standing ears *l* are formed by a punch or die. Between these ears the pin *n* is secured by the pintle *z*, passing through perforations in the ears and capable of turning. The pin *n* is provided at its pivoted end with a cross-head *k* of finger-like shape. Under the bridge *t* a flat leaf-spring *f* is inserted with one end in such a manner that it is with its other end above slit *s* and under the finger *k*. The normal position of the spring *f* is shown in Fig. 5, the pin *n* being held open or in a raised position by reason of the spring bearing upon both arms or ends of the finger-like cross-head *k*. By turning the pin in the direction of the arrow, one end of the finger *k* presses down on the free end of the spring *f* until the pin snaps to after a partial revolution (ninety degrees) and brings its point into the saddle-like recess

formed in the bridge *a*, where it is held fast by spring *f*. By the arrangement of the bridge *a* the point of the pin *n* never stands out, but is closed in completely by the recess of the bridge, so that one cannot be wounded while wearing it. 45

The pin when used may be sewed to one garment, for which purpose the openings *o* have been made in the foundation-plate, and the pin *n* may then be passed through the other garment and closed, or the pin may pass through both garments, as is usual with pins now in use. 50

What I claim is— 55

1. A pin of the character described, consisting of a plate having a recessed projection *a* near one end, a pin pivoted near the other end of the plate, and a spring secured at one end by bridge *t* and adapted to bear upon the head of pin and thereby hold the point of the pin in the recessed projection *a*, substantially as set forth. 60

2. In a pin to secure articles of wear to one another, the combination of a foundation-plate A, having the ears *l* and slit *s* near one end and the bridge *t* and saddle-like bridge *a* near the other end, the pin *n*, having the finger-shaped cross-head *k*, pivoted in the ears *l* and resting, when closed, with its point in the saddle-like bridge, and the leaf-spring *f*, secured at one end by the bridge *t* and having its other or free end in slit *s* and bearing upon the finger-shaped head, substantially as set forth. 70 75

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

JOHANN KNOLL.

Witnesses:

JOSEF VOSTRILE,
MILASLAV WRUBGH.