

(No Model.)

B. ROEDE.

SHIRT STUD.

No. 292,058.

Patented Jan. 15, 1884.

Fig. 1.

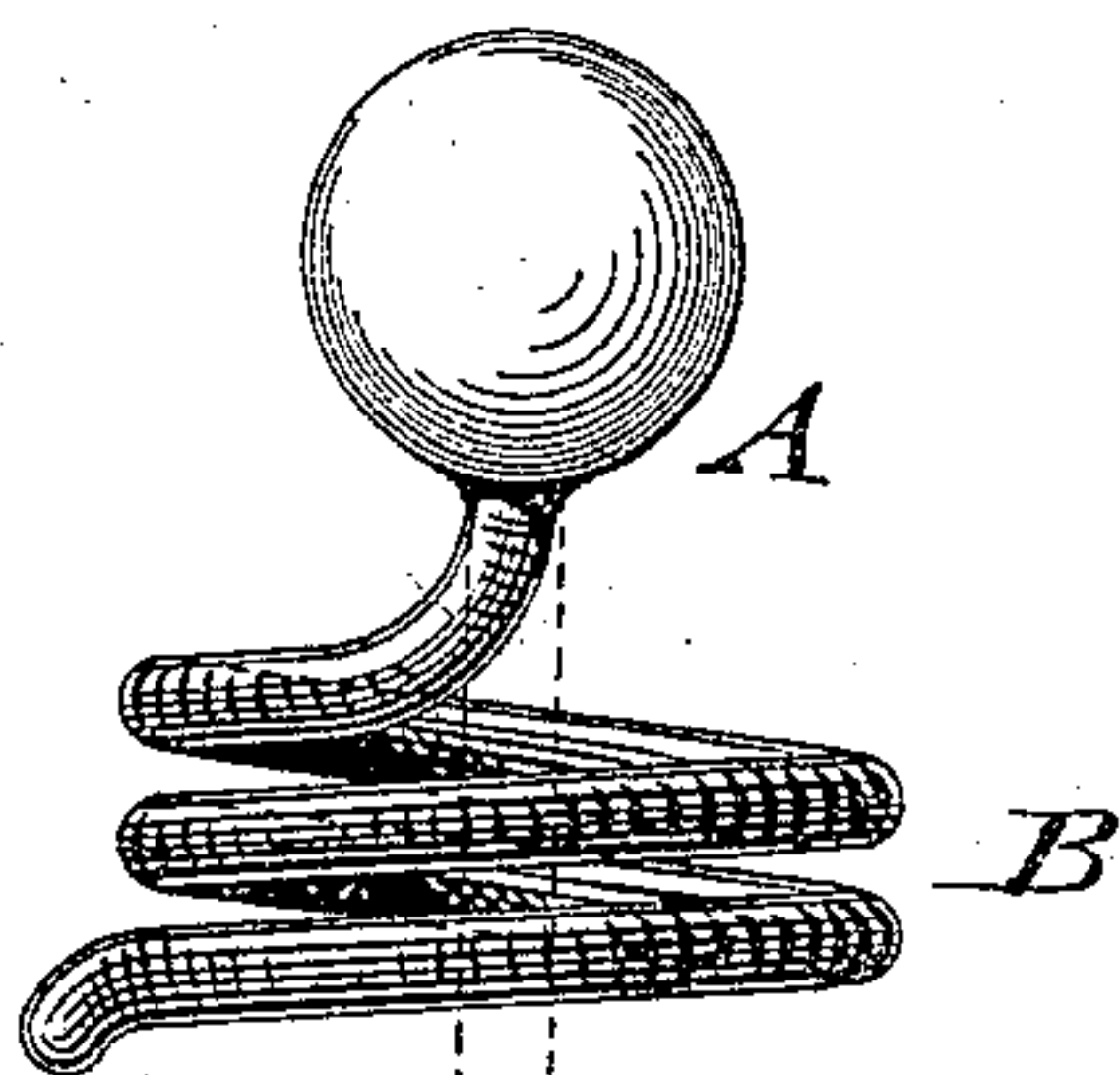


Fig. 2.

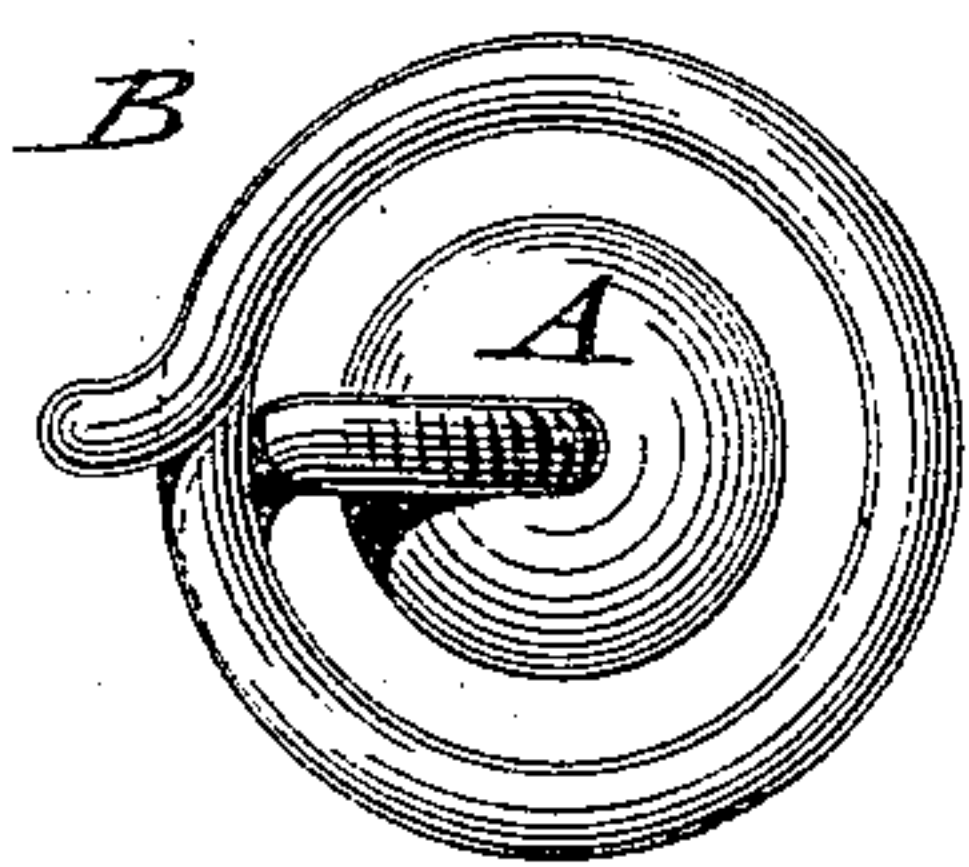


Fig. 4.

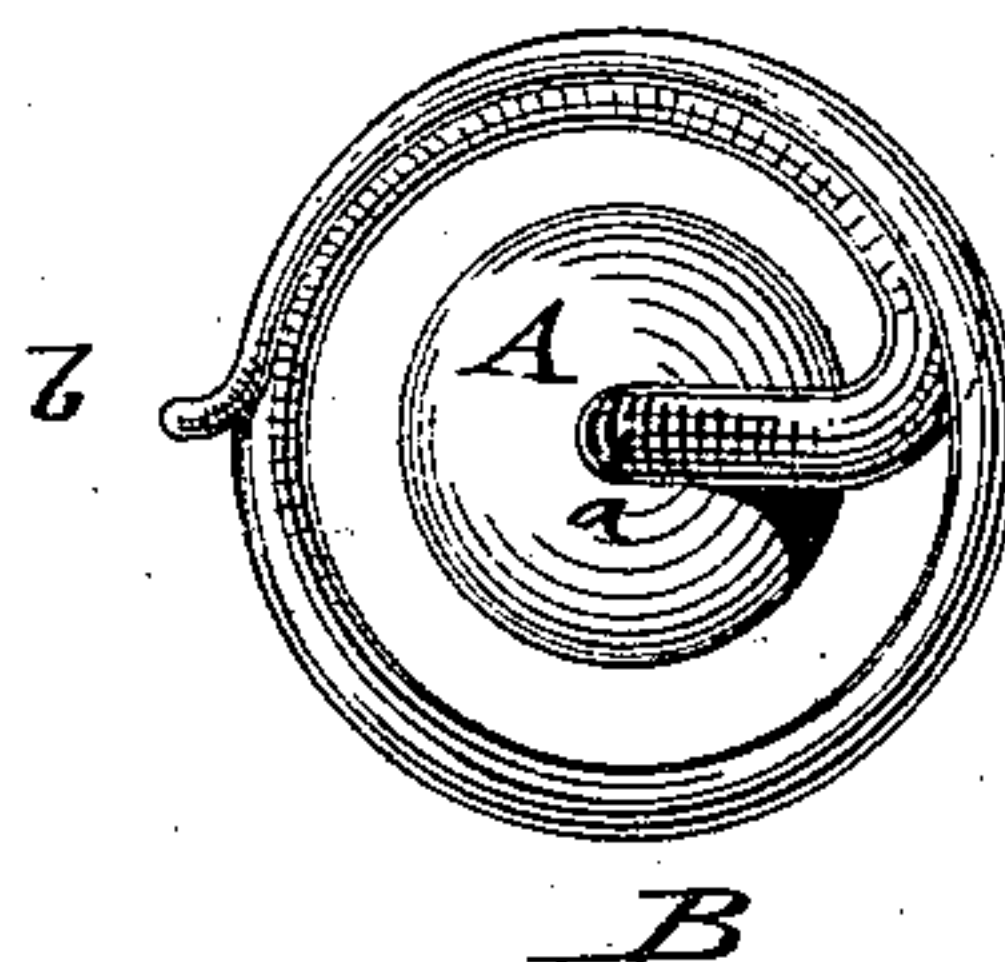
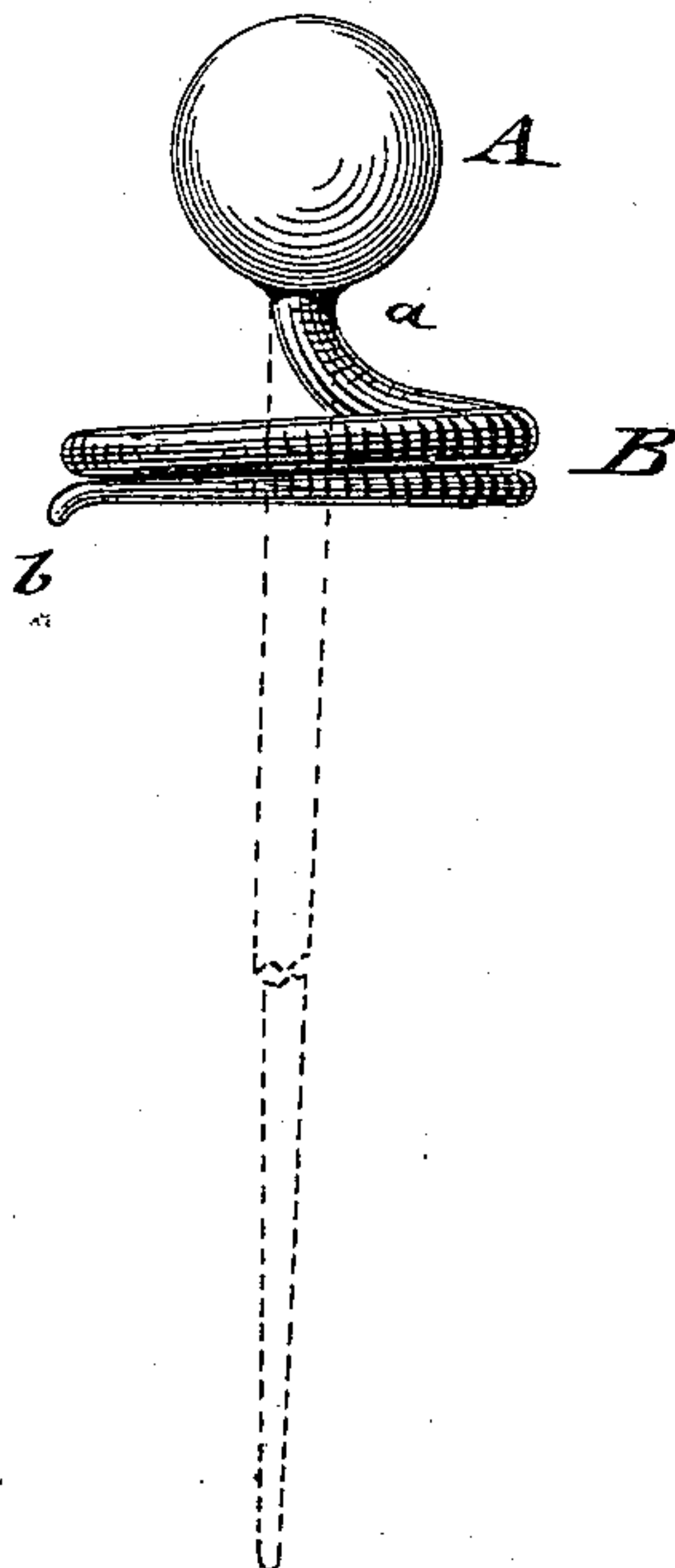


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

BERNHARD ROEDE, OF JERSEY CITY, NEW JERSEY.

SHIRT-STUD.

SPECIFICATION forming part of Letters Patent No. 292,058, dated January 15, 1884.

Application filed June 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, BERNHARD ROEDE, of Jersey City Heights, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Shirt-Studs, of which the following is a specification.

Shirt-studs with spirally-bent screw-shanks made of wire of uniform thickness throughout have been in general use heretofore. They have the disadvantage that the spiral convolutions of the shank are spread apart by use, so that the stud is liable to play out of its hole and to get lost.

My invention is designed to so improve the spiral shanks of shirt-studs that the lower convolution of the shank exerts a considerable spring action on the upper portion, so that the stud is retained in a more reliable manner in the shirt; and the invention consists of a shirt-stud the spiral shank of which is made of wire of gradually-diminishing thickness toward the end, so that the lower thinner convolution binds tightly on the thicker upper convolution of the shank.

In the accompanying drawings, Figures 1 and 2 represent a side view and a bottom view of a shirt-stud with screw-shank as heretofore in use, and Figs. 3 and 4 are a side view and bottom view of my improved stud.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents a shirt-stud of any suitable material, style, and finish, and B is the shank of the same, that is bent into

spiral shape and made of suitable gold or other wire.

The wire from which my improved spiral screw-shank B is bent is made of gradually-diminishing thickness from the upper portion, *a*, that is secured to the body of the stud, to the outwardly-bent lower end, *b*, of the shank, as indicated in dotted lines in Fig. 3. A screw-shank made of such wire has the advantage of imparting a considerable spring action to the lower thinner convolution, so that it binds securely on the upper thicker convolution, whereby the stud is more securely retained in the hole of the shirt without playing loose therefrom and getting lost.

Another advantage of my improved shirt-stud is that less stock is required for the spiral shank, as the thickness and the length of the wire can be considerably reduced.

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

As an improved article of manufacture, a stud or button having its spiral screw-shank gradually diminishing in diameter from its inner to its outer end, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

BERNHARD ROEDE.

Witnesses:

PAUL GOEPEL,
CARL KARP.