

(No Model.)

D. METZGER.
BROOCH PIN.

No. 529,743.

Patented Nov. 27, 1894.

Fig. 1.

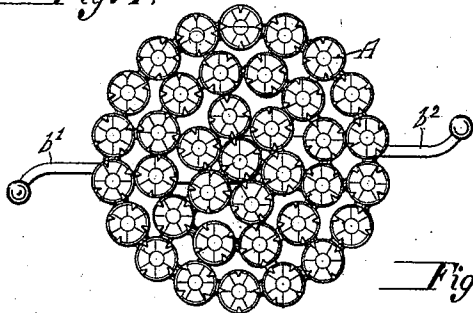


Fig 2

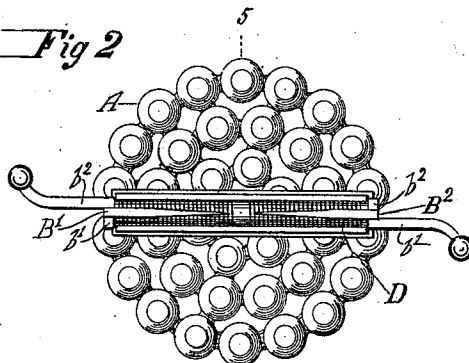


Fig. 3.

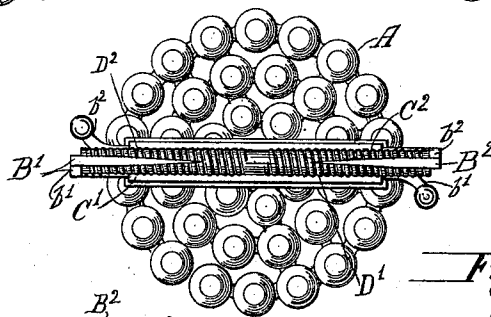


Fig. 4.

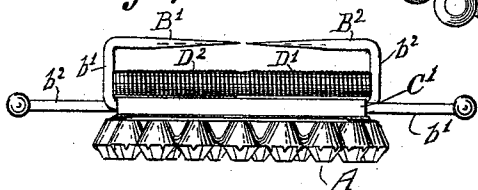
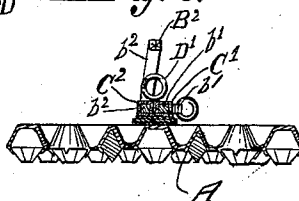


Fig. 5.



WITNESSES:

William M. Shuff
W. A. Halloway

INVENTOR

David Metzger
BY Edwin H. Brown
his ATTORNEY

UNITED STATES PATENT OFFICE.

DAVID METZGER, OF NEW YORK, N. Y.

BROOCH-PIN.

SPECIFICATION forming part of Letters Patent No. 529,743, dated November 27, 1894.

Application filed May 9, 1893. Serial No. 473,507. (No model.)

To all whom it may concern:

Be it known that I, DAVID METZGER, of the city, county, and State of New York, have invented a new and useful Improvement in Pins for Ladies' Hats and other Purposes, of which the following is a specification.

My improvement relates particularly to pins for securing ornaments to ladies' hats, although the improvement may be used for other purposes.

The improvement comprises two pins, which are arranged opposite to each other, and are capable of movement toward and from each other, a spring being combined with them for moving them toward each other and suitable stops being preferably employed to limit their movement.

I will fully describe a pin embodying my improvement and then point out the novel features in a claim.

In the accompanying drawings, Figure 1 is a front view of a hat ornament embodying my improvement. Fig. 2 is a back view thereof. Fig. 3 is a back view showing the parts in different positions. Fig. 4 is a side or edge view. Fig. 5 is a transverse section on the plane of line 5, 5, of Fig. 2.

Similar letters of reference designate corresponding parts in all the figures.

In Figs. 1, 2, 3, 4, and 5, A designates an ornament here shown as made of sheet metal, with stones or pieces of glass or analogous devices inserted in sockets. The form of this ornament is entirely immaterial so far as the improvement is concerned.

B', B² designate two pins, which are here shown as arranged substantially in line and opposite to one another. It will be seen that these pins are substantially parallel with the back of the ornament A. From the pins B', B² extend shanks b', b². First these extend transversely to the pins and then they extend in a line substantially parallel with the pins. The parallel portions of the shanks are fitted in guides, C', C², fastened to the back of the ornament. As here shown these guides are tubes which are rectangular in the cross-section and the parallel portion of the shanks b', b² of the pins B', B², are also rectangular in cross-section, so as to fit the interior of the

guides. Thus the rotation of the pins will be prevented, while longitudinal movement of the pins will be possible.

D', D² designate springs fastened to the transverse portions of the shanks b', b² of the pins B', B² and to one of the guides C', C². Obviously these springs might be fastened to any part of the back of the ornament A, with like results, or the two springs might be united so as to form one spring. The transverse portions of the shanks b', b² of the pins B', B², co-act with the ends of the guides C', C² so that the latter will form stops limiting the movement of the pins toward each other. It will be seen that the parallel portions of the shanks b', b² of the pins B', B² are made quite long and protrude beyond the guides C', C². At their extremities they are deflected laterally and these deflected portions co-acting with the ends of the guides serve as stops limiting the motion of the pins away from each other, besides answering as handles. The whole contrivance may be termed a pin. To use the pin, it is only necessary to grasp the extremities of the parallel portions of the shanks b', b² of the pins B', B², between the forefinger and thumb, and to press the same so as to move the pins apart. If then, the pins are brought opposite the material with which they are intended to engage and the pressure is relaxed, the springs will cause the pins to enter the material and engage with it.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination with an ornament, of guides secured to said ornament, two pins each having a longitudinal movement in the same plane relatively to the guides and outside the plane of the guides, each of said pins having a shank portion extended from it through a guide and prolonged to form a handle and stop and an independent spring for each of the pins, substantially as specified.

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

DAVID METZGER.

Witnesses:

ANTHONY GREF,
EDWIN H. BROWN.