J. E. CRANDALL.

CORSET STAY.

APPLICATION FILED MAR. 1, 1913.

1,085,799. Patented Feb. 3, 1914.

Fig. 4.

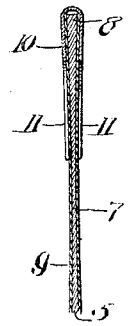


Fig. 3.

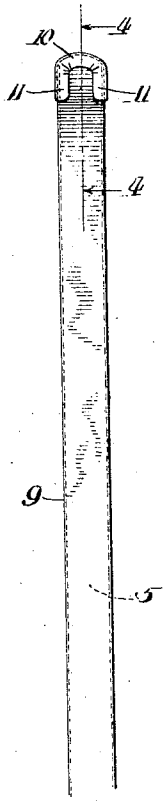
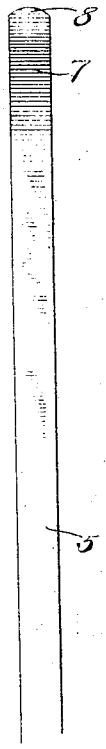


Fig. 2.



Fig. 1.



Witnesses:
John J. McCullough.
E. Bebel.

Inventor:
Jay E. Crandall
By A. O. Bebel
Atty.

UNITED STATES PATENT OFFICE.

JAY ELLIS CRANDALL, OF CHERRY VALLEY, ILLINOIS.

CORSET-STAY.

1,085,799. Specification of Letters Patent. Patented Feb. 3, 1914.

Application filed March 1, 1913. Serial No. 751,526.

To all whom it may concern:

Be it known that I, JAY E. CRANDALL, a citizen of the United States, residing at Cherry Valley, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Corset-Stays, of which the following is a specification.

This invention relates to corset-stays, such as are used for stiffening means in corset construction. These stiffening means or ribs in the corsets are formed of narrow flexible strips of steel, bone, etc., in order that they may readily conform to such shape as desired. A portion of these steels adjacent the top or bust of a corset are narrowed in their cross-sectional thickness at a taper commencing at a point on the body of the steel and gradually diminishing as the taper nears the top of the steel, thus making this tapered top portion more flexible than the main body portion of the steel in order that the upper bust portion of the corset will be correspondingly more flexible than the lower portions. The steels are covered with a protective sheathing of paper, cloth or the like, and the ends of the steels are covered with a rounded tip to protect the steel from wearing the corset, and also to protect the wearer should the steel in any way become disarranged; but these tips frequently pull off, resulting in the sharp end of the steel wearing through the corset and becoming dangerous.

The object of this invention is to form a corset-steel in which a similar tip shall be used to protect the end, but the novel construction of the steel will allow the tip to be securely fastened to the steel and the steel will co-act in retaining the tip in place. I accomplish this object by forming a portion of a steel tapering to one end so that the narrowest portion of the taper comes at a point within close proximity of the end of the steel, and at this point discontinue the taper of the converging sides and form the sides diverging to the end of the steel, thus forming an enlarged head at the end thereof. The sides of this head converging from the end, form an efficient holding surface for a tip clasped thereon.

In the accompanying drawings: Figure 1 is a view looking at a side of a corset-steel. Fig. 2 is an edge view of the steel. Fig. 3 illustrates the steel in the form it is placed in a corset. Fig. 4 is a section on the line 4—4 of Fig. 3.

The steel 5 is tapered to give it flexibility, and the end may be tapered to the length desired, and as will be seen in Fig. 2, the steel is tapered gradually from a point 6 to its narrowest point 7. When forming this taper with circular grinding wheels, the feed of the steel through the wheels in forming the taper, is stopped at the point 7, thereby leaving the head 8 at the end of the steel, the sides thereof tapering outwardly because of the circular periphery of the grinding wheels. A sheathing 9 incloses the steel, and a metal tip 10 having its head formed circular in shape, is clasped to the head 8 of the steel.

It will be readily seen from Fig. 4 that the side portions 11 of the tip 10 hold the tip from being dislodged from position because the tip once clasped in position, will be hard to pull over the end of the head 8.

I claim as my invention.

1. A corset stay having its two opposite widest sides converging toward one end of the stay, and the taper formed by said converging sides being reversed to a diverging taper at a point before reaching said end; and a sheathing on the said end.

2. A corset stay comprising an elongated flexible body having two opposite sides converging from a point within the ends of the body toward one end thereof making the converging portion more flexible than the main body, and the said sides diverging from said more flexible portion toward said end making a head at said end; in combination with a sheathing clasped to said head.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JAY ELLIS CRANDALL.

Witnesses:
JOSEPH L. EKEBERG,
C. B. CULVER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."