No. 889,827. PATENTED JUNE 2, 1908.

W. J. TEUFEL.

ELASTIC WOVEN BANDAGE.

APPLICATION FILED JULY 26, 1905.

Fig. 1.

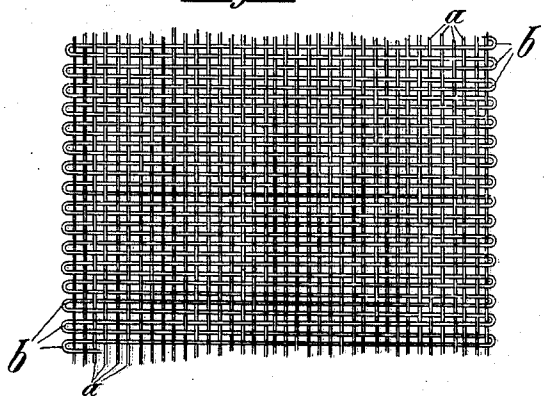
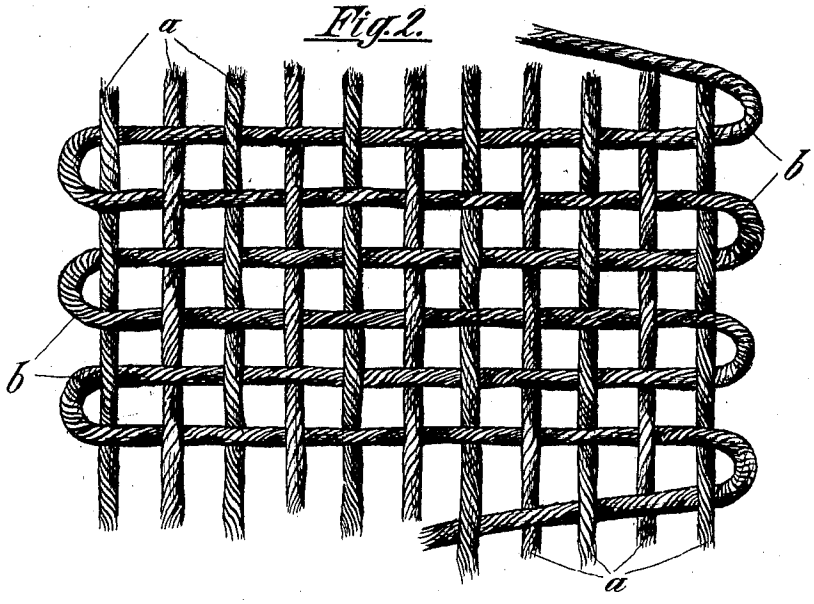


Fig. 2.



Witnesses
Albert Popkins
W. L. Smith

Inventor
Wilhelm J. Teufel
By Sturtevant & Greeley
Attorneys

UNITED STATES PATENT OFFICE.

WILHELM JULIUS TEUFEL, OF STUTTGART, GERMANY.

ELASTIC WOVEN BANDAGE.

No. 889,827. Specification of Letters Patent. Patented June 2, 1908.

Application filed July 26, 1905. Serial No. 271,393.

To all whom it may concern:

Be it known that I, WILHELM JULIUS TEUFEL, a citizen of the German Empire, residing at Stuttgart, in the Kingdom of Würtemberg, Germany, have invented certain new and useful Improvements in Elastic Woven Bandages; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to new and useful improvements in woven bandages and has for its object to provide a bandage which shall have a selvage at each side, which shall be elastic longitudinally, and which shall lie flat without curling transversely.

In the drawings:—Figure 1 is a top view of a bandage made in accordance with my invention. Fig. 2 is an enlarged detail view showing the particular way of laying the warp and the weft threads.

According to my invention, the bandage is woven in suitable widths for bandages, and these are preferably woven on the well known ribbon loom. The alternate warp threads *a*, as clearly shown in Fig. 2, are all tightly twisted in one direction, while the intermediate warp threads are all tightly twisted in the opposite direction.

The weft thread *b* is led back and forth in the ordinary manner, and is carried around the outermost warp threads, thus making a selvage at each end of the bandage. Said weft thread is preferably loosely twisted.

By the above construction, I provide a bandage, which will lay perfectly flat, with no tendency to curl laterally in view of the fact that certain of the warp threads are twisted in one direction, while certain others, are twisted in the opposite direction.

I have further provided a bandage which shall be very elastic in a longitudinal direction only, thus making a bandage which has all the advantages of a bandage having caoutchouc threads. I have still further provided a bandage which has a selvage at each edge, which is a great advantage over those bandages having open edges.

Having now described and ascertained my said invention and in what manner the same is to be performed I declare that what I claim is:—

An elastic ribbon bandage consisting of alternate warp threads tightly twisted in the same direction and intermediate warp threads tightly twisted in the opposite direction, and a continuous weft thread which is passed around the outermost warp threads to form a selvage.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

WILHELM JULIUS TEUFEL.

Witnesses:

ERNST ENTENMANE,

WALTER SCHWAEBSCH.