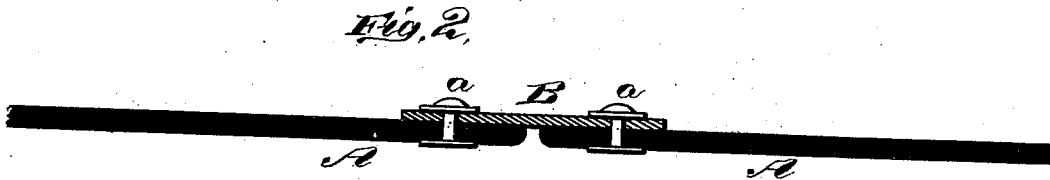
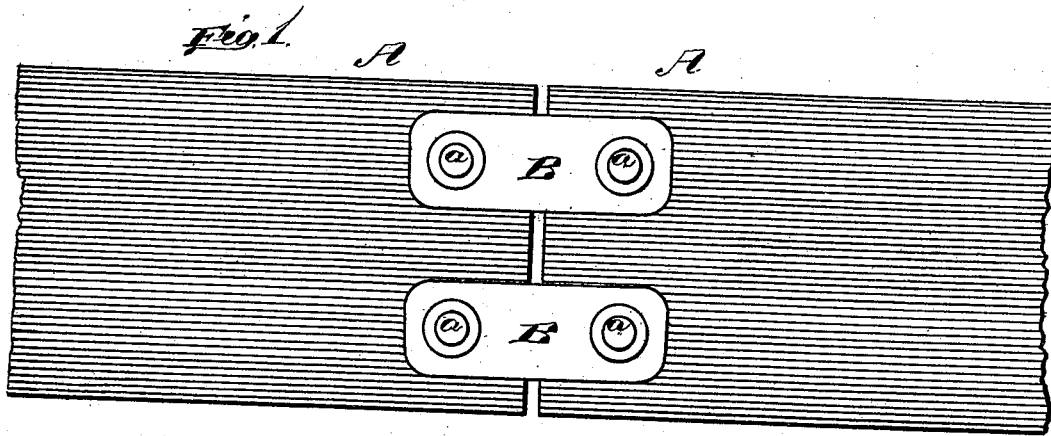


A. C. TYLER.  
Belt-Fastening.

No. 196,273.

Patented Oct. 16, 1877.



Witnesses:

*H. Bates*  
*George C. Upham*

Inventor:

*Alfred C. Tyler*  
*Geo. W. Smith & Co.*  
Per *Geo. W. Smith & Co.* Attorneys.

# UNITED STATES PATENT OFFICE.

ALFRED C. TYLER, OF PHILADELPHIA, ASSIGNOR OF ONE-HALF HIS RIGHT  
TO THEODORE T. WING, OF SUSQUEHANNA, PENNSYLVANIA.

## IMPROVEMENT IN BELT-FASTENINGS.

Specification forming part of Letters Patent No. **196,273**, dated October 16, 1877; application filed  
September 15, 1877.

*To all whom it may concern:*

Be it known that I, ALFRED C. TYLER, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and valuable Improvement in Belt-Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of plan view of my belt-fastener, and Fig 2 a longitudinal vertical sectional view of the same.

My invention relates to belt-fasteners; and it consists in strips of rawhide, prepared as hereinafter described, and fastened to the ends of the belt by rivets, bolts, or screws, to connect the same, as will be fully described, and set forth in the claim.

In the annexed drawing, to which reference is made, A A represent the ends of a belt, which are fastened together by means of strips B B, of rawhide, secured to said ends A A by rivets at *a a*.

Instead of rivets I may use bolts or screws to fasten the rawhide strips to the ends of the belt.

I prepare the rawhide by placing it in neat's-foot oil for forty-eight hours, after which it is passed between rollers, and afterward pressed out flat, and cut into proper lengths and sizes for the purpose desired.

The oil prevents the rawhide from absorb-

ing moisture, and also renders it more pliable. Rolling it between the rollers excludes the superfluous oil, and adds, likewise, to its pliability.

This form of fastener is easily applied, holds the ends of the belt firmly, and gives a smooth surface to run on. It will save machinery and steam-power, on account of producing less friction and having an easy gliding motion over the pulleys.

Unprepared rawhide will not answer for the purpose designed, because it is too hard and unaccommodating in its movements around the pulleys, and would, therefore, in a short run, crack and break in two; but preparing the rawhide with neat's-foot oil renders it elastic and firmer in its structure, and when the stiffness is broken by passing it repeatedly under rollers, there is no material that can stand the strain that it will.

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

An improved belt-fastening, consisting of strips or plates of rawhide prepared by immersion in neat's-foot oil, substantially as set forth, and adapted to be secured to the ends of a belt, substantially as shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ALFRED CROSELE TYLER.

Witnesses:

THEODORE TYLER WING,

WILLIAM BAUGH.