

No. 675,280.

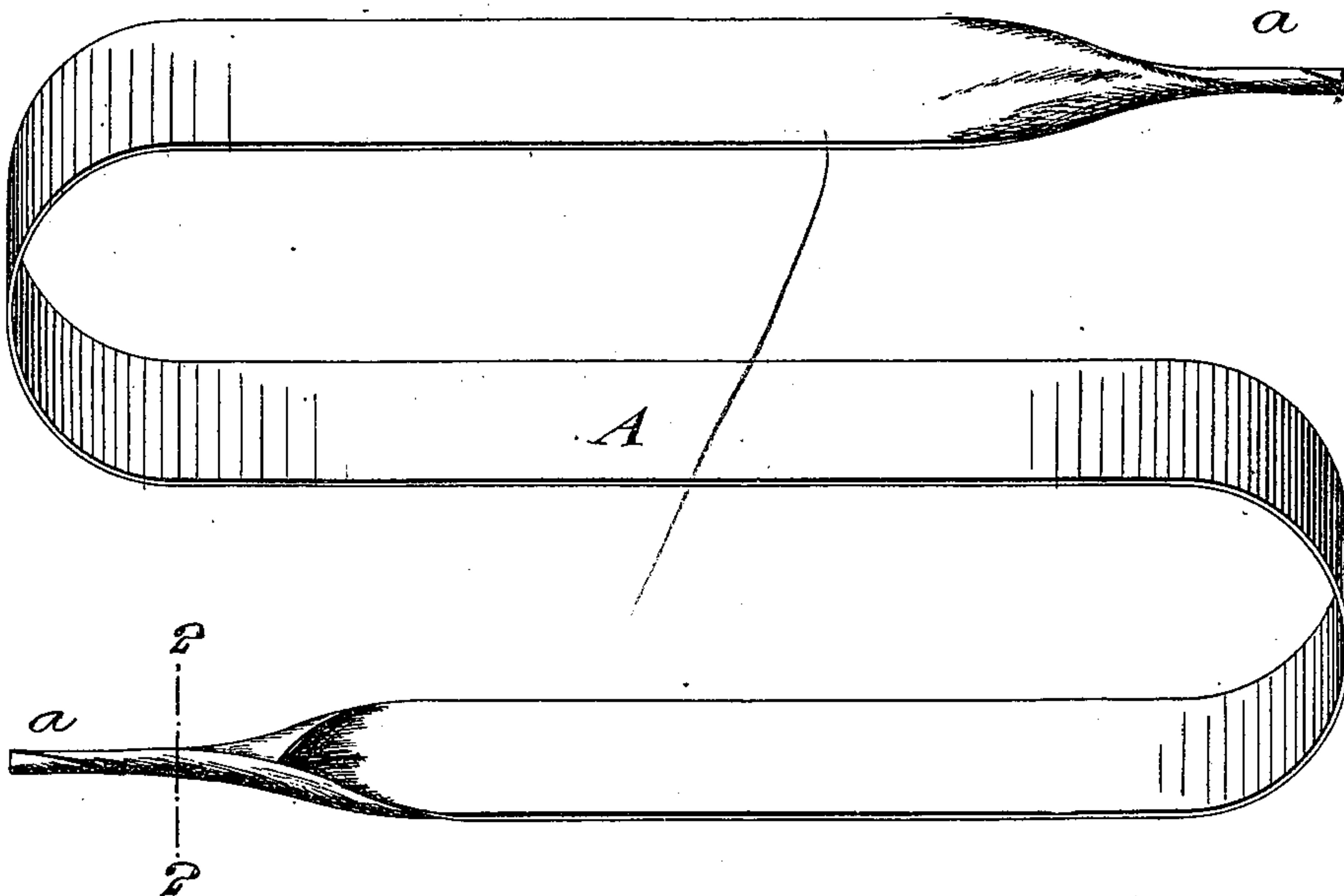
Patented May 28, 1901.

H. L. HILLER.  
LACING.

(Application filed Aug. 29, 1900.)

(No Model.)

*Fig. 1.*



*Fig. 2.*

• a

*Fig. 3.*

*Witnesses:-*

*George Barry Jr.  
Edward Vieser.*



B

*Inventor:-*

*Hugo L. Hiller  
By his attorneys  
Brown & Howard*

# UNITED STATES PATENT OFFICE.

HUGO L. HILLER, OF NEW YORK, N. Y.

## LACING.

SPECIFICATION forming part of Letters Patent No. 675,280, dated May 28, 1901.

Application filed August 29, 1900. Serial No. 28,408. (No model.)

*To all whom it may concern:*

Be it known that I, HUGO L. HILLER, a citizen of the United States, and a resident of the borough of Manhattan, in the city and State of New York, have invented a new and useful Improvement in Lacings, of which the following is a specification.

My invention relates to an improvement in lacings, one object being to provide a lacing with tips formed by rolling each end of the lacing into a tight convolute coil forming a compact mass, the inner face of the rolled end being provided with a gum to hold the rolled end in position.

A further object is to provide a lacing of the above character in which the rolled end which forms the tip is temporarily held by the gum, so that after the lacing has been laced the ends may be unrolled to produce the ribbon effect, for which there is a large demand, both for shoes and corset-lacings.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 represents my improved lacing with the tips formed by rolling the ends of the lacing into a compact mass and holding the same in such rolled position by means of a gum on the inner face of the roll. Fig. 2 is a cross-section through one of the ends of the lacing, taken in the plane of the line 2 2 of Fig. 1; and Fig. 3 is a view of one end of the lacing in its straight or unrolled position, showing one face of the lacing provided with a coating of gum.

The body of the lacing is denoted by A, and it may be made of various lengths to suit different requirements. The lacing is of flat or ribbon form and preferably braid, so as to prevent the unraveling of the ends of the same after the tips have been unrolled.

The ends of the lacing are provided with a coating of gum B upon the face, which is intended to be rolled into the interior of the tip, so that when each end is rolled to form the tip a the gum will not be exposed to the exterior, the exterior of the tip being composed of the fabric which forms the lacing. These ends are rolled into a tight convolute coil forming a compact mass and are there held by the gum B, so that the lacing may be readily laced through the eyelets of a shoe or corset or other article with which it is desired to use the lacing. Where it is desired that the tips shall be unrolled to form a flat end to the lacing after it has been laced, the gum B may be of such a character that it will only temporarily hold the ends in their rolled position.

By the use of the term "gum" I wish it to be understood that I mean any adhesive material—such, for instance, as glue or mucilage—the gum being made of the required degree of adhesiveness to produce the results hereinabove set forth.

What I claim is—

1. A lacing provided with a tip, the said tip consisting of the end of the lacing rolled into a tight convolute coil and held by gum on its inner face.

2. A lacing provided with a temporary tip, the said tip consisting of the end of the lacing rolled into a compact mass and temporarily held by gum on its inner face, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 21st day of August, 1900.

HUGO L. HILLER.

Witnesses:

FREDK. HAYNES,  
EDWARD VIESER.