

A. E. Van Gieson, Splitting Leather

N^o 78701.

Patented June 9, 1868.

Fig. 1.

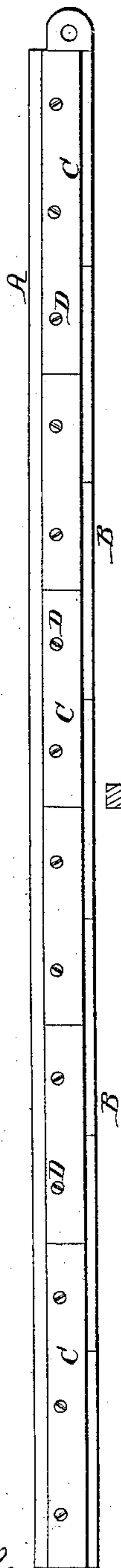


Fig. 3.

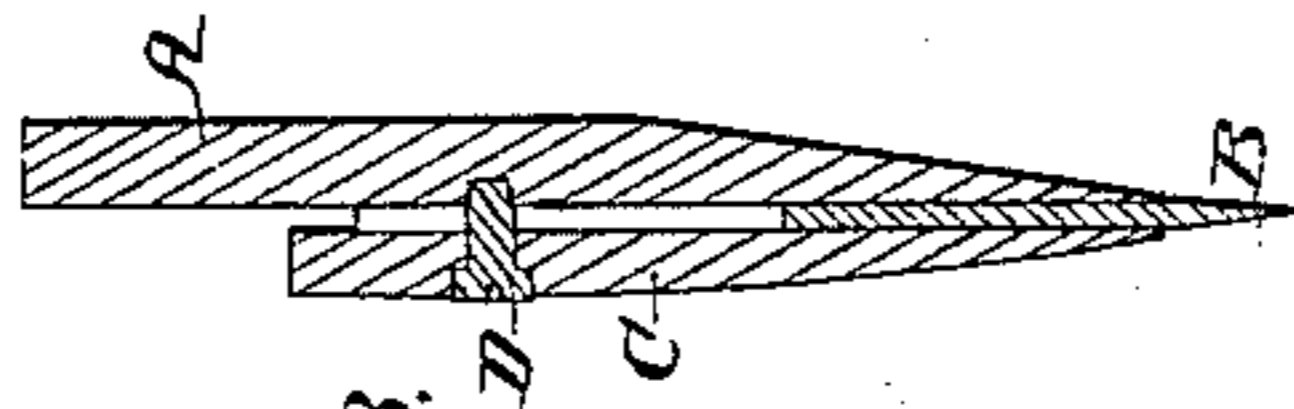
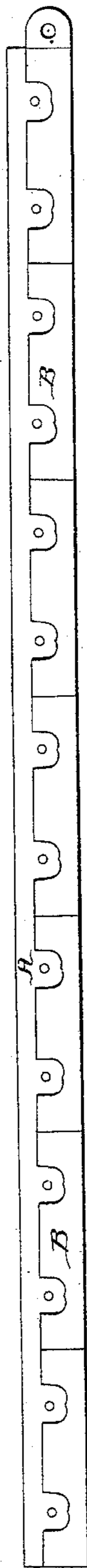


Fig. 2.



Witnesses;
L. W. How
Jas. G. How

Inventor;
A. E. Van Gieson
By Thos. P. How
Atty

United States Patent Office.

ARZY EMONS VAN GIESON, OF NEWARK, NEW JERSEY, ADMINISTRATOR OF THE ESTATE OF AMZI H. VAN GIESON, DECEASED, ASSIGNOR TO NEWARK PATENT-LEATHER COMPANY.

Letters Patent No. 78,701, dated June 9, 1868.

IMPROVEMENT IN KNIVES FOR SPLITTING LEATHER.

The Schedule referred to in these Letters Patent and making part of the same.

Specification of certain Improvements in Knives for Leather-Splitting Machines, invented by AMZI H. VAN GIESON, (now deceased,) late of Newark, in the county of Essex, and State of New Jersey.

Nature and Object of the Invention.

In the construction of machines for splitting leather, the knives must necessarily be of very great length, and it has been found almost or quite impossible to temper them at all evenly when made in a single piece, as heretofore has been done.

The object of this invention is to obviate this difficulty, and for this purpose this invention consists in making the blade in pieces of convenient length for tempering, and securing said pieces together by clamps, or equivalent device, so as to form a continuous blade of sufficient length for the purpose, as hereinafter more fully set forth.

Description of the Accompanying Drawings.

Figure 1 is a side view of a knife embodying the said invention, showing the parts put together to form a complete knife.

Figure 2 is also a side view of the sectional blade, and the continuous bar, to which the pieces which form said blade are attached, the short clamping-pieces, represented in fig. 1, being removed in fig. 2, to give a better view of the sections of the blade.

Figure 3 is a transverse sectional view, showing the manner of putting the parts together to form the complete knife.

General Description.

A is the continuous bar, to which the sections of the blade are attached, which bar must be the entire length of the knife, and should be so constructed as to give the best possible support to the blade without interfering with its operation. B B are the sections of the blade. These should be made of convenient length for tempering, say about two feet in length, nicely jointed, so as to fit exactly against each other, so that when secured in position and sharpened they shall form a complete and perfectly continuous cutting-edge. In the form of construction here represented, recesses are formed in the back part of each section, giving a considerable opening around the screws, by which they are secured in place, as shown in fig. 2.

The sections B are tempered separately, and as nearly uniformly as possible. C C are clamping-pieces, which are placed upon the opposite side of the sectional blade from that it occupied by the continuous bar A, which pieces C C are clamped down upon the blade by means of the bolts or screws D D, this screwing the parts firmly together, and forming an efficient and serviceable knife for the purpose intended.

The parts having been thus constructed and put together, are then ground, so as to form an even and continuous cutting-edge, and is then ready for use.

Though the form of construction here represented may perhaps be properly regarded as the best for the purpose, it is still obvious that it may be varied in several of the details of construction, and still embodying the invention herein set forth; as, for example, the clamping-pieces C C may be dispensed with, and the recesses in the backs of the sections of the knife being made sufficiently narrow, the heads of the bolts D may be screwed down directly upon the said sections, or upon ordinary washers interposed between the heads of the bolts and the sections of the knife; or the said sections may be made without any slot or recess, and the continuous bar A, being properly slotted for the purpose, said bolts may pass through such slots in said continuous bar, and be secured into the sections of the knife.

Claim.

I claim as the invention of the said late AMZI H. VAN GIESON, the construction of a knife for splitting leather, in sections, forming together a continuous knife, substantially as hereinbefore set forth.

ARZY E. VAN GIESON.

Witnesses:

THOS. P. HOW,
LUCIUS W. HOW.