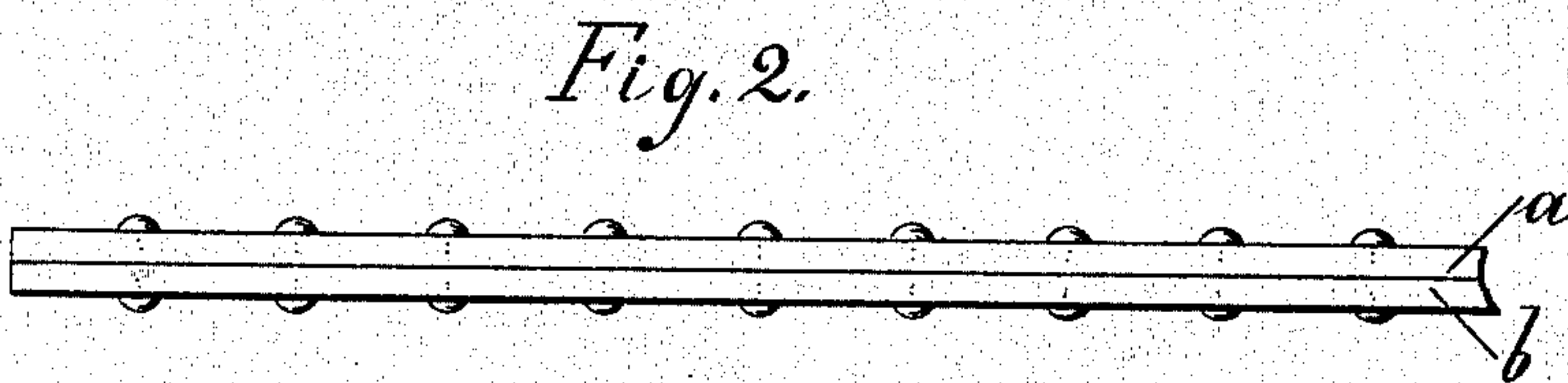
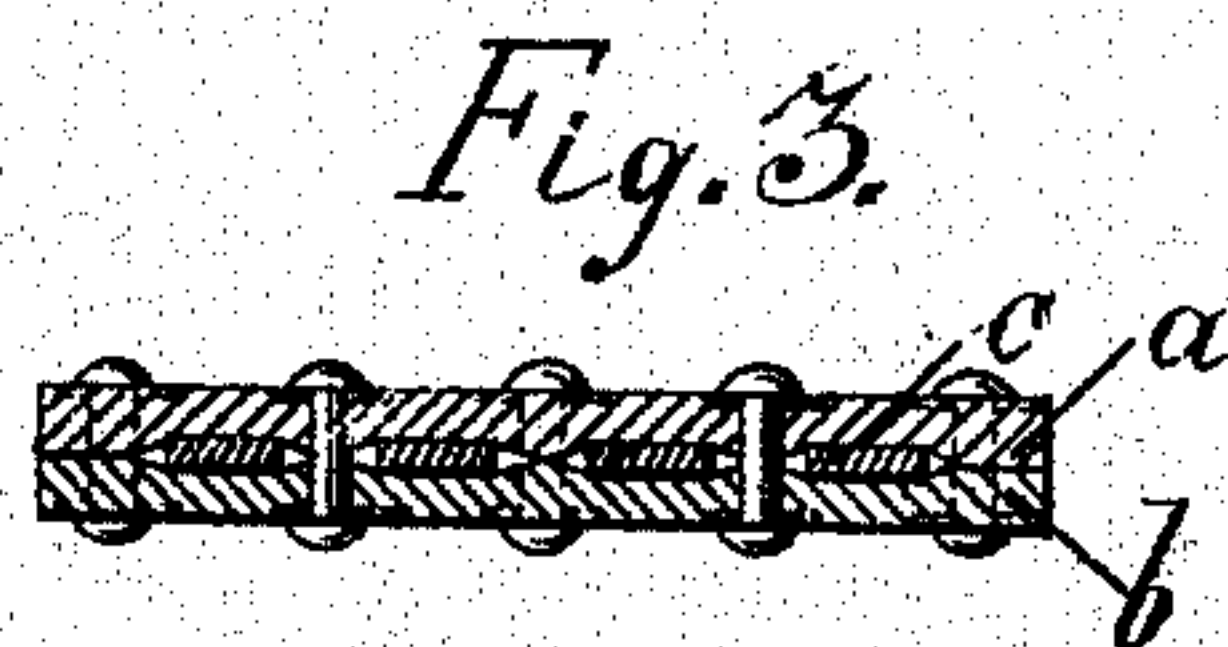
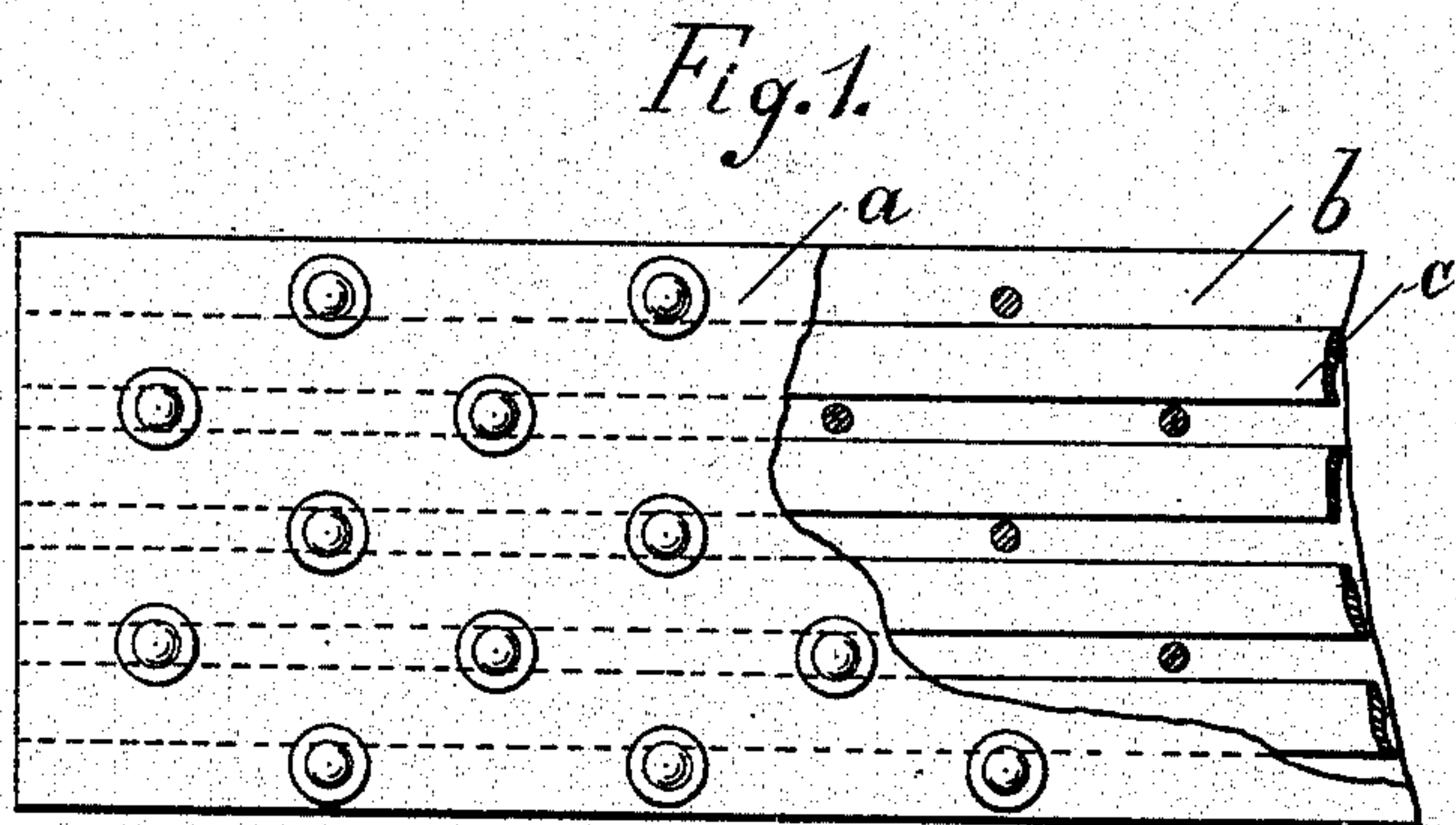


(No Model.)

R. TEMMEL  
BELTING.

No. 505,142.

Patented Sept. 19, 1893.



*Attest*  
*William Walden*  
F. L. Middleton

*Inventor*  
*Richard Temmel*  
*by Ellis Spear*  
JH/14

# UNITED STATES PATENT OFFICE.

RICHARD TEMMEL, OF BERLIN, GERMANY.

## BELTING.

SPECIFICATION forming part of Letters Patent No. 505,142, dated September 19, 1893.

Application filed December 17, 1892. Serial No. 455,479. (No model.)

*To all whom it may concern:*

Be it known that I, RICHARD TEMMEL, of Berlin, in the Kingdom of Prussia and German Empire, have invented new and useful  
5 Belts and Ropes of All Kinds with Layers of Cane, of which the following is a specification, reference being had therein to the accompanying drawings.

The object of the present invention illustrated by the accompanying drawings and described in the following specification is to remove the drawbacks which are usually prevalent in the ordinary belts and driving bands by inserting strips of cane.

15 The accompanying drawings illustrate the invention as follows:

Figure 1 is a top view of a piece of the belt from which a piece of the upper covering material has been removed. Fig. 2 is a side view.

20 Fig. 3 is a cross section.

The belt shown in Figs. 1, 2 and 3 is made in the following manner: strips of cane of suitable width are glued upon the top surface of the belt *a*, which may have any desired

width and strength, a proper distance being 25 left between the separate strips. Thereafter, a second belt *b* is sewed, glued or bolted over the whole. The strips of cane, that have to be inserted are cut by means of suitable apparatus in lengths up to about eight meters 30 and a width of eight millimeters,—principally of Spanish or Tokio-cane in such a manner that they lose none of their elasticity and tensile strength.

I claim as my invention— 35

The improved belt comprising the upper and lower sections with a series of parallel strips of cane between, and rivets uniting said upper and lower sections and passing through the spaces between the strips, substantially as 40 described.

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

RICHARD TEMMEL.

Witnesses:

PAUL FISCHER,  
PAUL BRINKMANN.