

L. STARCK.
Machine Belting.

No. 198,860.

Patented Jan. 1, 1878.

Fig. II.

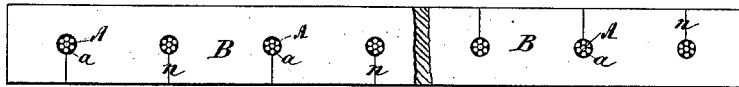
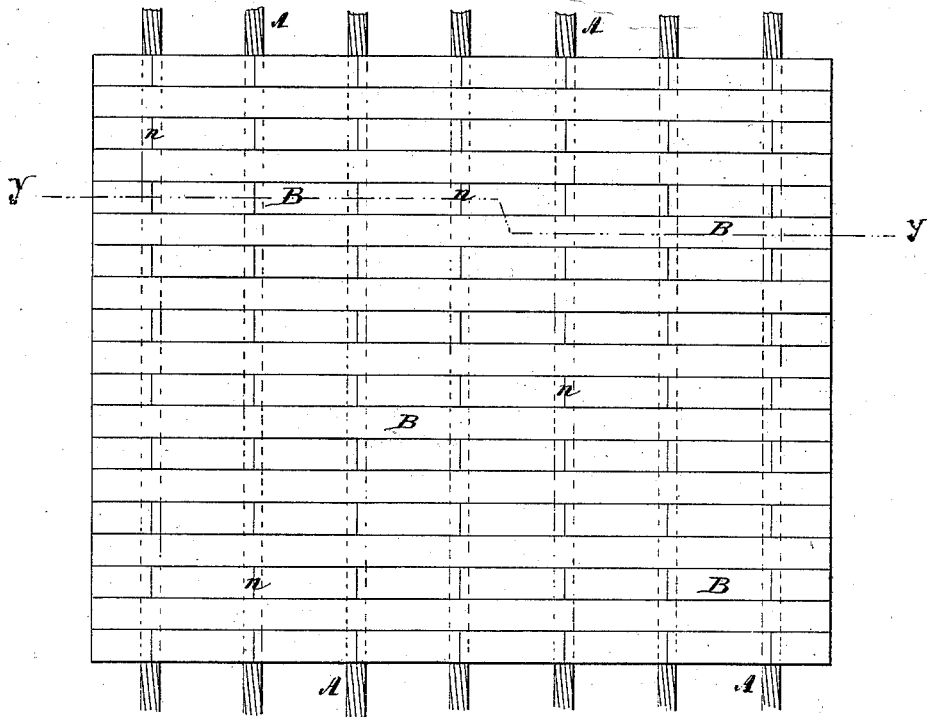


Fig. I.



Witnesses.
Charles H. Smith
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UNITED STATES PATENT OFFICE.

LUDWIG STARCK, OF MAYENCE, GERMANY.

IMPROVEMENT IN MACHINE-BELTING.

Specification forming part of Letters Patent No. **198,860**, dated January 1, 1878; application filed August 24, 1877.

To all whom it may concern:

Be it known that I, LUDWIG STARCK, of the city of Mayence, in the Empire of Germany, have invented a new and useful Improvement in Belts for Machinery, of which the following is a specification:

The nature of my invention consists of a series of either single wires or a number of wires twisted in the shape of a rope, running parallel to each other, and incased in leather or other suitable material, cut in strips and placed close to each other, to form a smooth surface-bearing upon the pulley.

In the accompanying drawings, Figure I represents a front view of a belt, and Fig. II a cross-section of the same, embodying my invention.

A A represent a series of wire ropes twisted together; or single wires of the required strength may be employed. These wires or wire ropes are incased in strips of leather, india-rubber, gutta-percha, or any other suitable material, B. These strips B are all made of the same width, and have holes *a* punched or otherwise made through them, to receive and fit around the wires A. Cuts *n* are made

from these holes *a* to one of the surfaces of these strips, whereby, on account of the flexibility of the material, the wires or wire ropes can easily be passed into the holes *a*. These cuts *n* may be cemented together again after the wires are in their places, and the adjoining surfaces of the strips may likewise be cemented together.

The strips B are placed upon the wires A, so that the sides containing the cuts *n* will alternate with each other. These strips incasing the wires give a smooth surface to the belt, and the desired adhesion upon the surface of the pulley, while the wire ropes give the desired strength to the belt.

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

A machine-belt consisting of strips B, made of leather or other suitable material, inclosing a series of wires or twisted-wire ropes, A, and provided with cuts *n*, in the manner and for the purpose substantially as described.

LUDWIG STARCK.

Witnesses:

LOUIS BASSE,
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