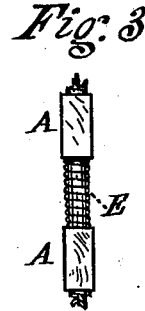
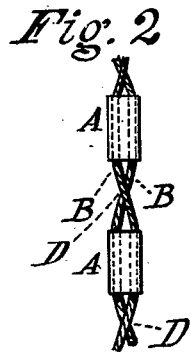
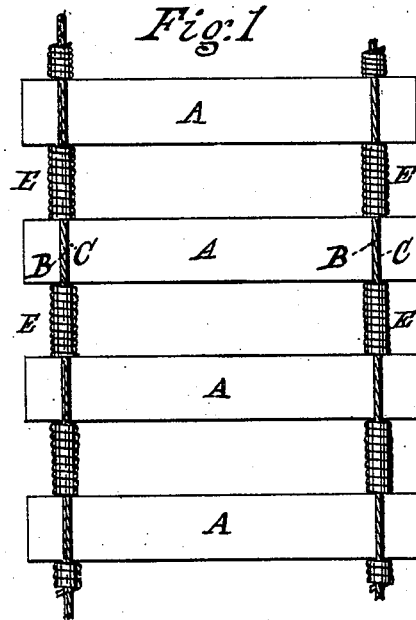


J. SMALL.
Machine-Belting.

No. 207,452.

Patented Aug. 27, 1878.



Witnesses.
A. J. Sangster
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Inventor.
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UNITED STATES PATENT OFFICE.

JERRY SMALL, OF WATKINS, NEW YORK.

IMPROVEMENT IN MACHINE-BELTING.

Specification forming part of Letters Patent No. **207,452**, dated August 27, 1878; application filed July 31, 1878.

To all whom it may concern:

Be it known that I, JERRY SMALL, of Watkins, in the county of Schuyler and State of New York, have invented certain new and useful Improvements in Belts for Machinery and other purposes, which improvements are fully set forth in the following specification and accompanying drawings, in which—

Figure 1 represents a front view, showing a piece of a completed belt. Fig. 2 is a side elevation of a portion partly finished, and Fig. 3 is a side elevation of a finished piece of the belting.

The object of this invention is to provide a strong, light, cheap, and durable belting for machinery or other purposes for which it may be adapted; and it consists of a series of bars of wood, iron, or other suitable material, in combination with two or more pairs of wire cables arranged transversely on each side of the bars and twisted together between them, and a close spiral spring or its equivalent covering the twisted portions of said cables, as will be more clearly seen by reference to the drawings, in which—

A represents the bars; B B, the wire cables, which are arranged on each side of the bars in grooves C, and twisted at D, as shown in Fig.

2, the spiral springs E being left off to show the twisted portions of the cables between the bars. They may be twisted more or less, and two or more pairs of cables may be used.

The springs assist in preventing the bars from moving out of place, protect the cables, and add to the appearance of the belt, and are flexible.

A strong twine of hemp or a copper wire or its equivalent may be used in place of the springs E, and, in some cases, said springs may be dispensed with.

A Manila rope or heavy wires may be used in place of the ordinary wire cables, but would not answer the purpose so well.

I claim as my invention—

1. A cable-belt consisting of the bars A, in combination with the cables B B and springs E, the whole being put together substantially as specified.

2. The combination of the bars A and two or more pairs of cables, B B, twisted together between the bars, as and for the purposes specified.

JERRY SMALL.

Witnesses:

SIDNEY B. KING,
AMOS W. SANGSTER.