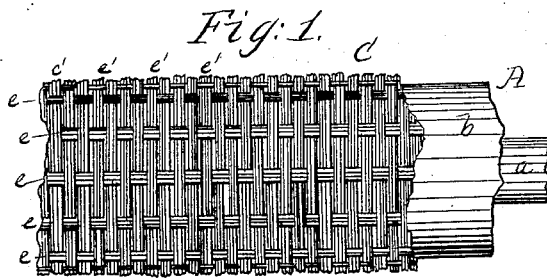
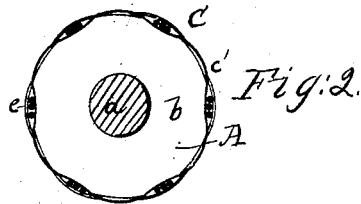


W. B. Davis.

Piston Packing.

No 51,027. Patented Nov. 21, 1865.



Inventor.

Witnesses.

Charles Foster
Charles Howson

W. B. Davis
By his Attorney
Henry Howson

UNITED STATES PATENT OFFICE.

W. B. DAVIS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN PACKING FOR PISTON-RODS.

Specification forming part of Letters Patent No. 51,027, dated November 21, 1865.

To all whom it may concern:

Be it known that I, W. B. DAVIS, of Brooklyn, Kings county, State of New York, have invented an Improved Packing for Piston-Rods, &c.; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My improved packing consists of a body or cord composed of canvas or other textile fabric or fibrous material round which is woven, interlaced, or braided a fabric composed of fine wires, as described hereinafter. The packing thus formed is applied to stuffing-boxes in the usual manner, and prevents a durable metallic surface capable of yielding when the packing is compressed.

In order to enable others to make my invention, I will now proceed to describe the manner of constructing the same.

On reference to the accompanying drawings, which form a part of this specification, Figure 1 is an exterior view of my improved packing, and Fig. 2 a transverse section of the same.

A is a cylindrical strip or cord of packing, and is composed of a body, *b*, of canvas or other textile fabric or fibrous material, inclosing a core, *a*, of rubber. Round the strip A are interlaced or woven the wires *e* and *e'*, which constitute a compact metallic covering or fabric of which the wires *e* are the warp and the wires *e'* the weft.

A fabric of wire may also be made to surround the fabric by using the ordinary braiding-machine.

The metal-covered packing is applied and secured in the ordinary manner—that is, by coiling it and depositing the coil in the stuffing-box. When one portion of the metal covering has been worn away the packing may be removed and turned so as to present a new wearing-surface, this operation being repeated until every portion of the metal has been worn away.

Although I have alluded to the interior portion or body, A, as being cylindrical, it will be apparent that it may be square or of any other required shape, and the core of rubber may, if desirable, be dispensed with.

I am aware that a packing composed of a folded strip of woven hemp with a lining of wire-gauze has been heretofore used. I therefore do not desire to claim, broadly, the combination of a metal fabric with a fibrous packing; but

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

A packing composed of a body or cord, A, of suitable material, in combination with a covering of wires, interlaced, woven, or braided round the same, substantially as and for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

W. B. DAVIS.

Witnesses:

W. I. R. DELANY,
JOHN WHITE.