

I. J. SAUNDERS.

Improvement in Metallic Packing for Stationary Joints.

No. 128,664.

Patented July 2, 1872.

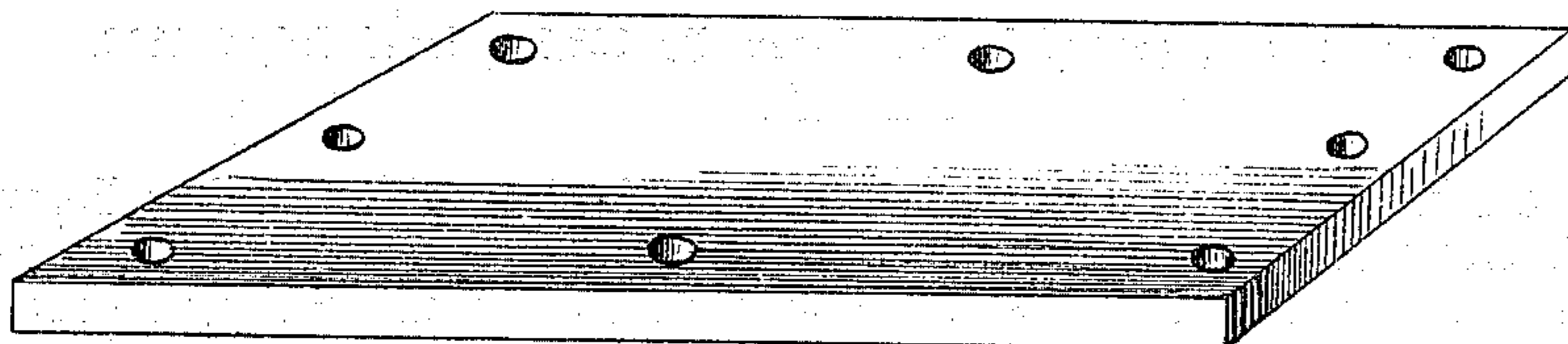


Fig. 1.

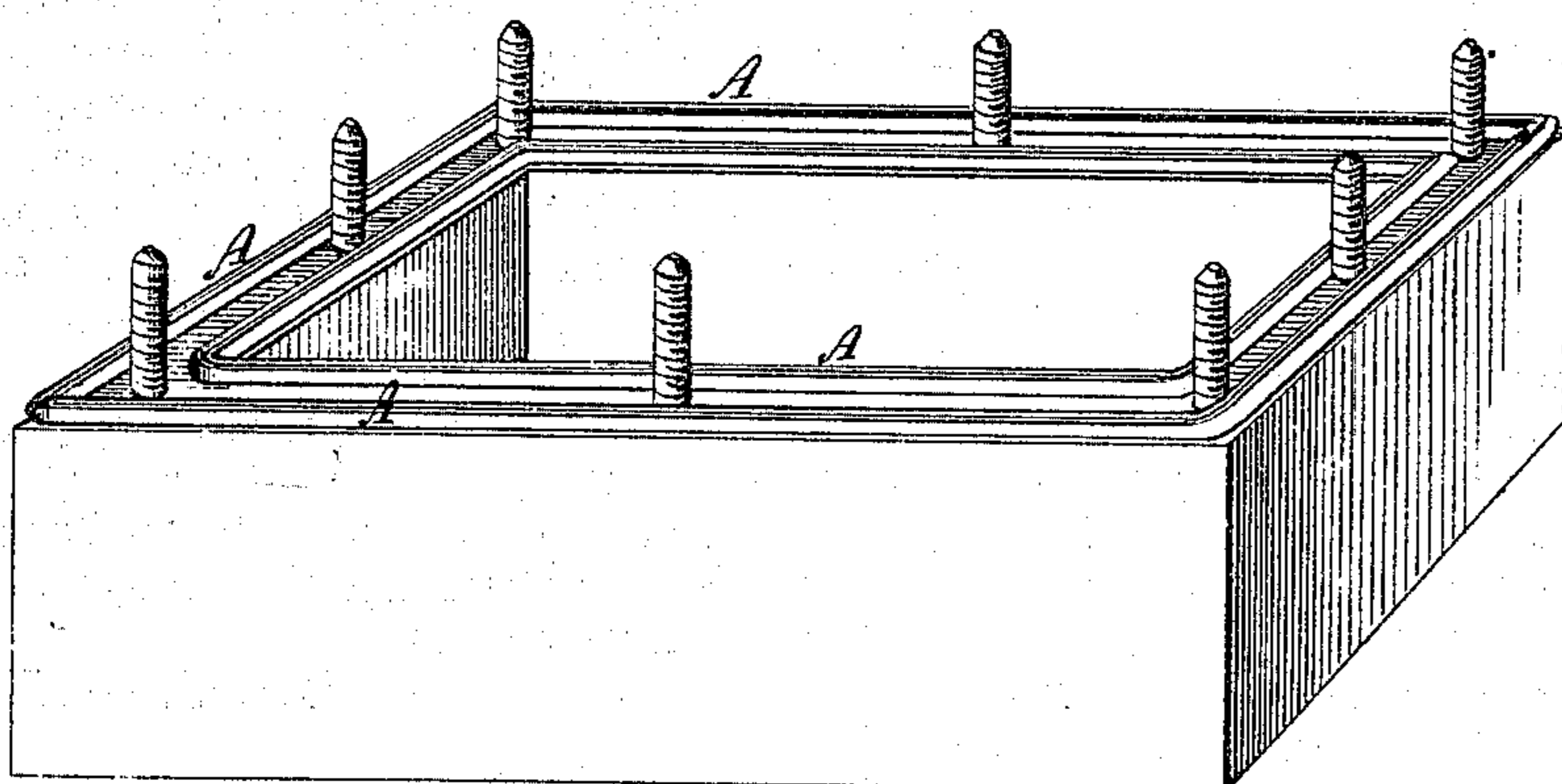
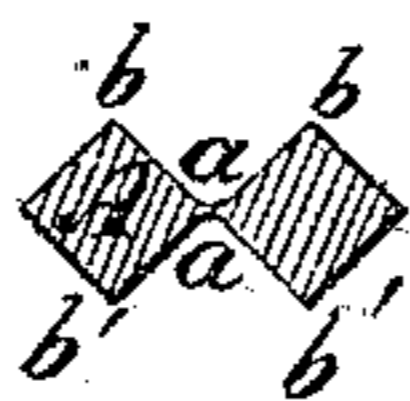


Fig. 2.



Fig. 3.



Witnesses  
A. Ruppert.  
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## UNITED STATES PATENT OFFICE.

IRA J. SAUNDERS, OF DAVISVILLE, CALIFORNIA.

## IMPROVEMENT IN METALLIC PACKINGS FOR STATIONARY JOINTS.

Specification forming part of Letters Patent No. 128,664, dated July 2, 1872.

Specification describing a certain Improvement in Metallic Packing for Permanent Joints, invented by IRA J. SAUNDERS, of Davisville, in the county of Yolo and State of California.

This invention relates to metallic packing for making stationary or permanent joints steam and water tight; and my improvement consists in corrugating the wire, or strips of copper, brass, or other soft metal, so as to provide the packing with two or more sharp-edged ridges upon each side where it comes in contact with the metallic surfaces of the joint.

Figure 1 represents a perspective view of a steam-chest with the cover suspended above it, showing my improved packing laid on the top of the chest. Fig. 2 is a perspective view of a short section of the packing. Fig. 3 is a transverse section thereof.

The same letters of reference are employed in all the figures in the designation of corresponding parts.

The packing A is made from copper wire, or narrow strips of copper or other soft metal, by

passing it through suitable rolls, which corrugate it on the two principal surfaces and form thereon two or more longitudinal V-shaped ridges, united together at their bases and by thin webs *a*, as best seen in Fig. 3.

In applying the packing the sharp edges *b* and *b'* come in contact with the metallic surfaces of the joint, and on being compressed between them will closely hug the surfaces and fill every inequality therein, so as to make the joint absolutely steam and water tight.

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

A corrugated metallic packing, substantially as set forth.

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

IRA J. SAUNDERS.

Witnesses:

FRANK W. CAMPBELL,  
JUNIUS SIMONS.