

CHARLES P. SEITZINGER.

Improvement in Wire-Cloth for Coal-Screens.

No. 128,177.

Fig. 1.

Patented June 18, 1872.

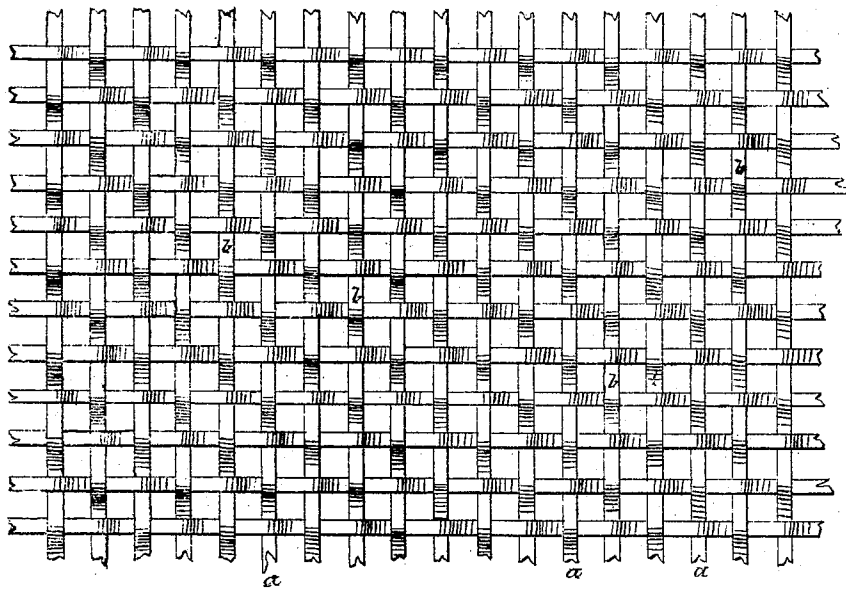
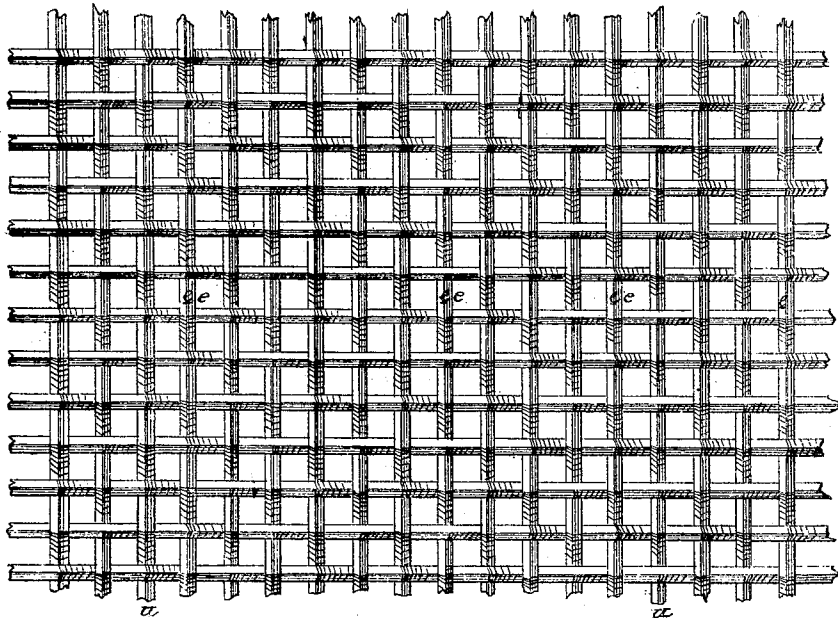


Fig. 2.



WITNESSES:

Herm. Lauten.

A. Bendy

Fig. 3.

a
b

INVENTOR:

Charles P. Seitzinger.

Geo. E. Brown, Atty.

UNITED STATES PATENT OFFICE.

CHARLES P. SEITZINGER, OF SCRANTON, PENNSYLVANIA.

IMPROVEMENT IN WIRE-CLOTHS FOR COAL-SCREENS.

Specification forming part of Letters Patent No. 128,177, dated June 18, 1872.

Specification describing a certain Improved Wire-Cloth, invented by CHARLES P. SEITZINGER, of Scranton, Luzerne county, Pennsylvania.

This invention relates to wire-cloth for coal-screens and other purposes; and it consists in such material when woven from wires that are triangular in cross-section and have their bases on one side of the cloth and their edges on the other side, all as hereinafter fully explained.

Figure 1 is a view, showing the bases of the wires; Fig. 2, a view, showing their edges; and Fig. 3, a transverse section of one of the wires.

a are the wires of which the cloth represented in the drawing is woven, which wires are so placed that one side of the cloth shows only the bases *b* of the wires and the other side shows the edges of the wires. The meshes of the cloth are therefore of the shape of truncated pyramids.

The advantage of this form of wire is that, when wet coal or other substance is to be

screened, it can be thrown against the bases *b* of the wires, so that the meshes may not become clogged, as these are of greater area at any point than at the orifices through which the *débris* enters them. With screens composed of square or round iron the meshes are very likely to become clogged.

When the substance to be screened is dry it should be thrown against the edges *e* of the wires, as the edges throw back less *débris* than the bases *b*. Triangular wire is less expensive than either round or square, and yet more durable, as the shape of the wire enables it the better to resist wear.

I claim as my invention—

As an article of manufacture, wire-cloth composed of wires triangular in cross-section, and having their bases on one side of the cloth and their edges on the other side, as specified.

CHARLES P. SEITZINGER.

Witnesses:

E. S. SNOW,
T. C. SNOVER.