

G. W. CAMPBELL.
Oil-Press Plates.

No. 219,217.

Patented Sept. 2, 1879

Fig: 1.

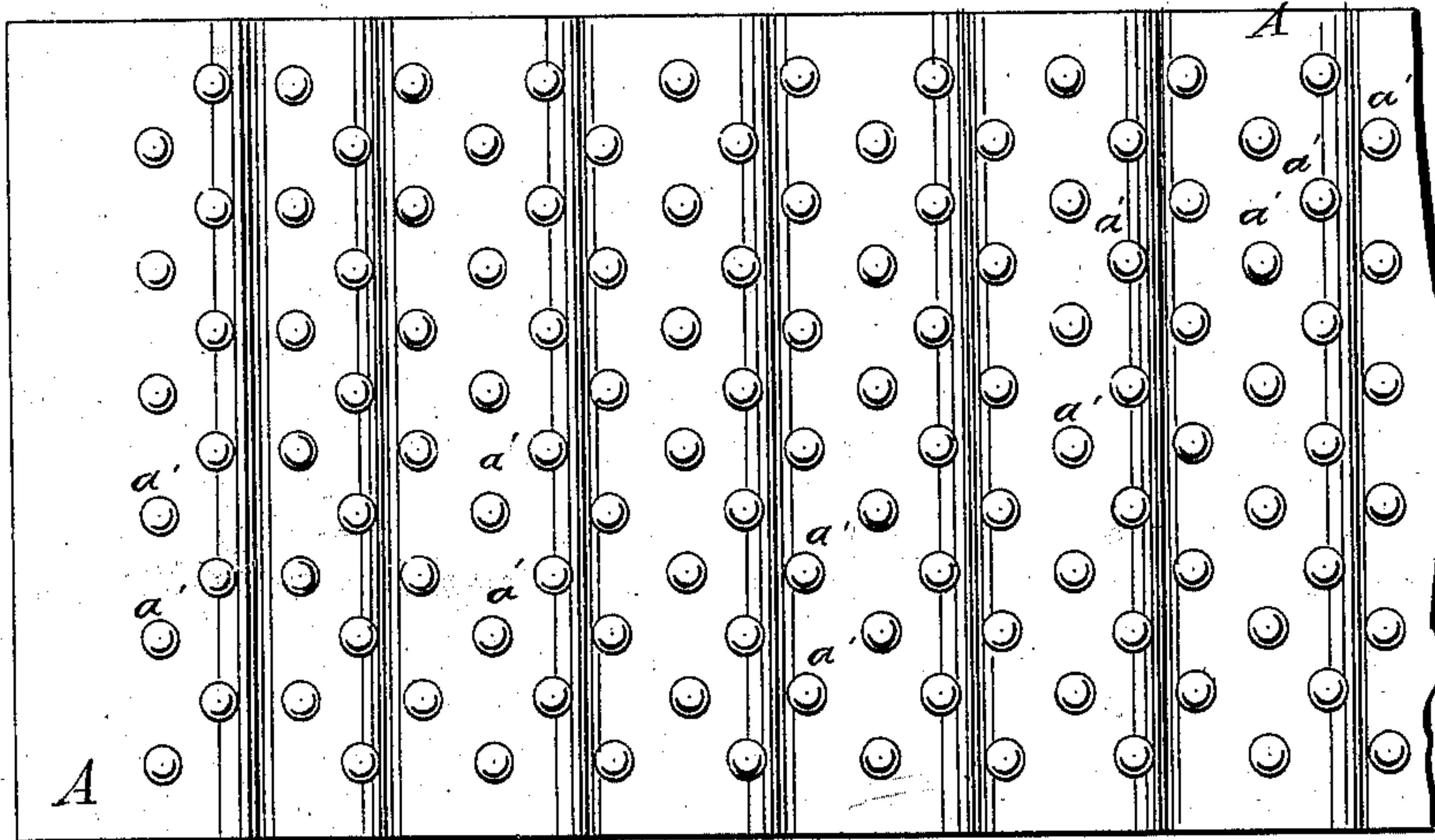


Fig: 2.

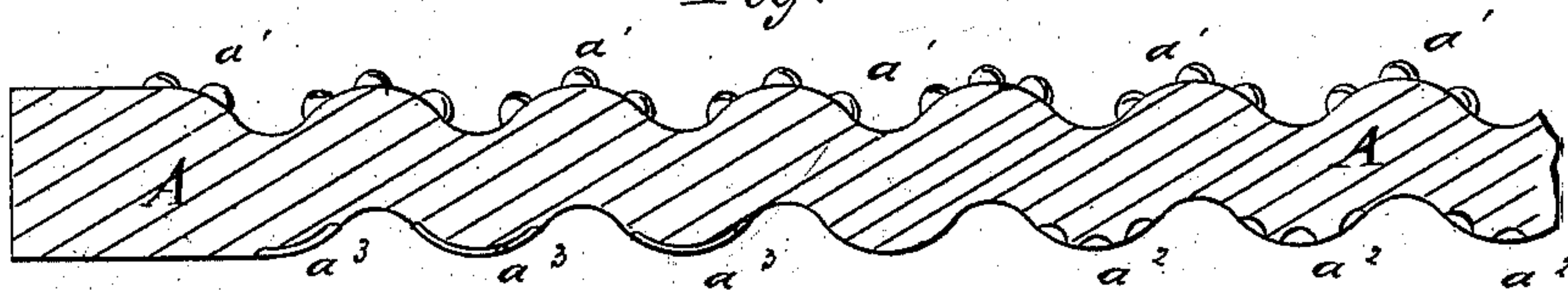


Fig: 3.

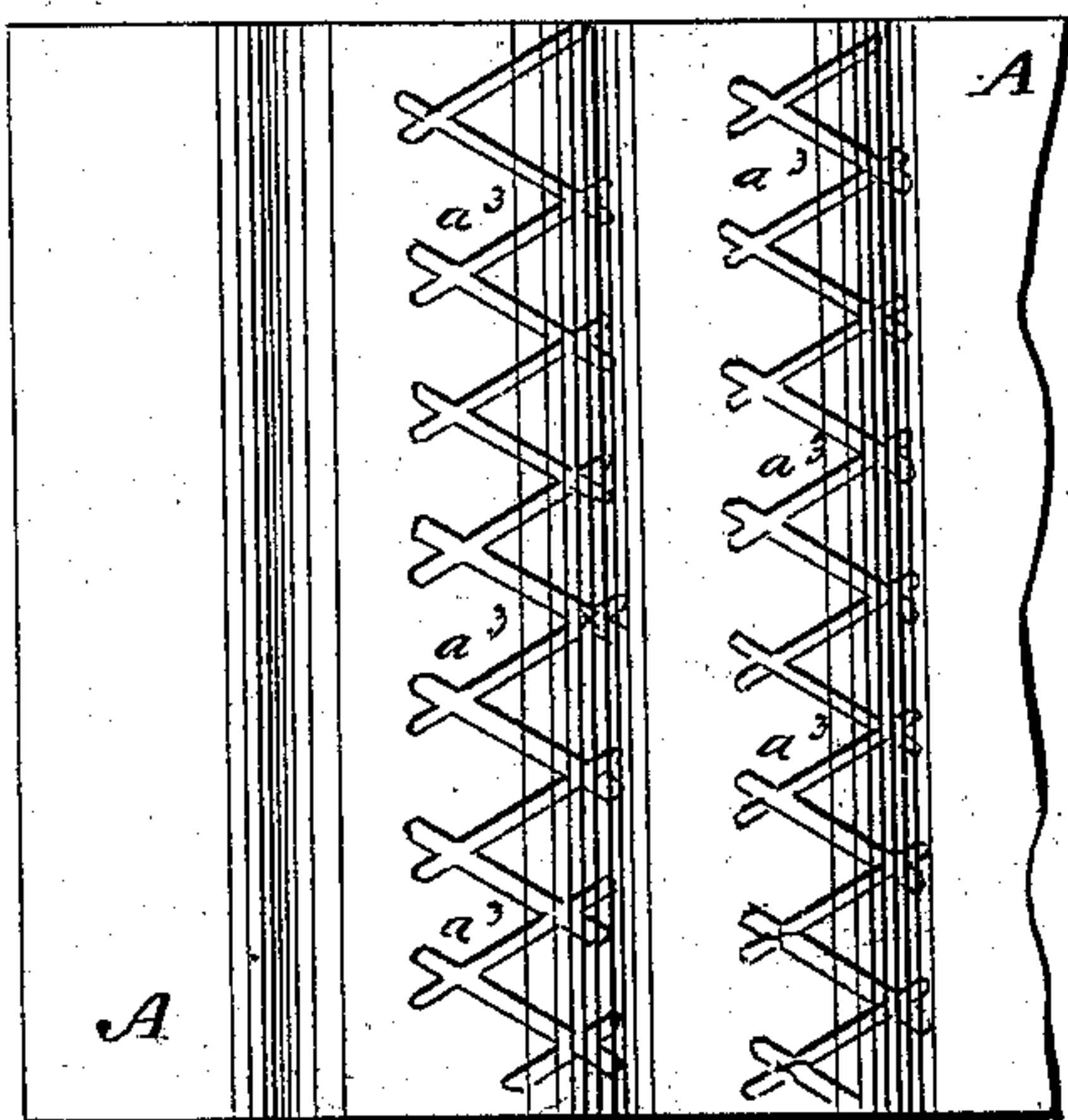
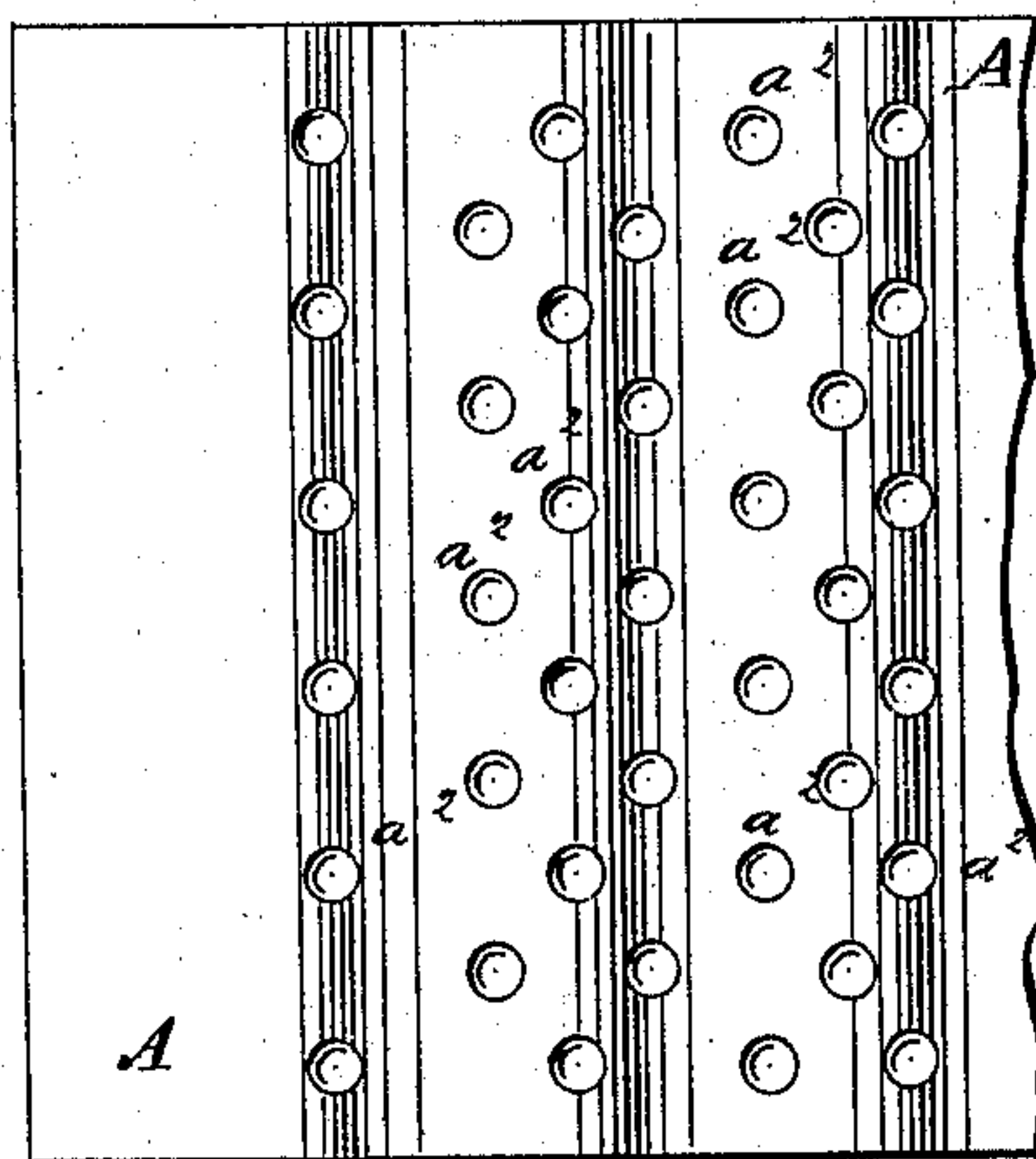


Fig: 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE W. CAMPBELL, OF WEST NEW BRIGHTON, NEW YORK.

IMPROVEMENT IN OIL-PRESS PLATES.

Specification forming part of Letters Patent No. **219,217**, dated September 2, 1879; application filed December 27, 1878.

To all whom it may concern:

Be it known that I, GEORGE W. CAMPBELL, of West New Brighton, in the county of Richmond and State of New York, have invented a new and useful Improvement in Oil-Press Plates, of which the following is a specification.

Figure 1 is a top view of a part of one of my improved press-plates. Fig. 2 is a longitudinal section of the same. Figs. 3 and 4 are views illustrating modifications of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to improve the construction of presses for expressing the oil from linseed, cotton-seed, &c., in such a way as to prevent the rapid destruction of the bag or wrapper that contains the ground seed while being pressed, and avoid the use of the ordinary mats, so as to lessen the expense of running the presses.

The invention consists in providing the ordinary corrugated oil-press plates with projections and indentations or short grooves, as hereinafter described.

A represents a press-plate, the surface or surfaces of which may be corrugated or plane.

One or both surfaces of the plate A are constructed with projections a^1 formed upon them, as shown in Figs. 1 and 2.

If desired, the surface or surfaces of the plate A may have indentations a^2 or short grooves a^3 formed in them, as shown in Figs. 2, 3, and 4.

The same construction may be applied to the surfaces of press-boxes when used. With this construction of surface the bags or wrappers in which the ground seed is wrapped will last much longer than they will when the ordinary press plates or boxes are used, and the mats now generally used will no longer be required, and at the same time the oil will be as thoroughly or even more thoroughly expressed.

I am aware that it is not new to make oil-press plates with corrugations; but

What I claim as new is—

Corrugated oil-press plates provided with the projections a^1 and indentations a^2 or short grooves a^3 , as and for the purpose specified.

GEO. W. CAMPBELL.

Witnesses:

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