

E. DUFFEE.
Wool-Drying Frames.

No. 142,561.

Patented September 9, 1873.

Fig. 1.

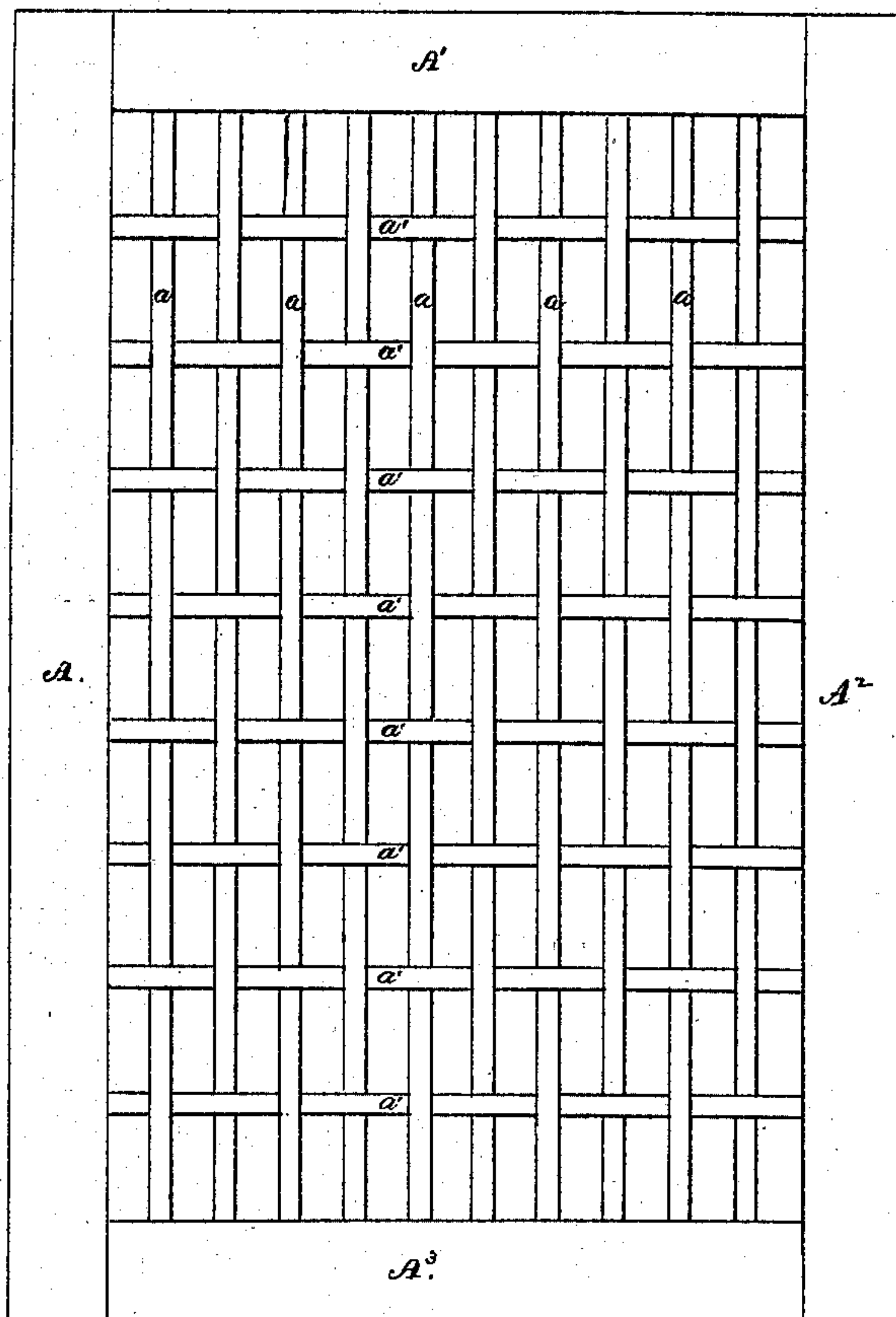
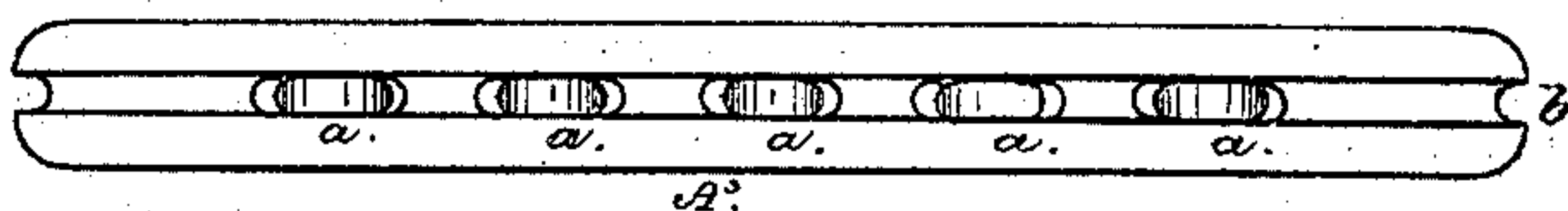


Fig. 2.



Witnesses.

Geo Gray

H. C. Hale

Edward Duffee

by his attorney.

J. P. Falo

UNITED STATES PATENT OFFICE.

EDWARD DUFFEE, OF HAVERHILL, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND HENRY M. BRAGG, OF SAME PLACE.

IMPROVEMENT IN WOOL-DRYING FRAMES.

Specification forming part of Letters Patent No. 142,561, dated September 9, 1873; application filed May 5, 1873.

To all whom it may concern:

Be it known that I, EDWARD DUFFEE, of Haverhill, in the county of Essex and State of Massachusetts, have invented an Improved Wool-Drying Frame; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawing, in which—

Figure 1 denotes a top view, and Fig. 2 an end elevation, of a wool-drying frame, constructed in accordance with my invention.

My invention has reference to that class of devices employed in a drying-room for supporting fleeces or masses of wool after having been washed, in order to desiccate or remove the moisture therefrom.

I am aware that devices, variously constructed, have been employed for the above purpose. Trays or supporters have been made with a series of parallel wires extended across, and nailed or fastened to their frame-work. Trays also with wire net-work have been used, but both of these, although allowing a free passage and affording a good circulation of the air through them, are objectionable, on account of the oxidation of the wire, which not only stained or discolored portions of the wool in contact with them, but unless great care was taken soon became unfit for use. I am also aware that trays or frames have been made by nailing series of slats across wooden supporting-rails. So, also, stretches or tables have been made, with saw kerfs or openings made through them. But in these latter cases the great area of supporting surface caused much of the drippings falling upon them to be arrested and retained in contact with the wool, and thereby produced an imperfect desiccation of the wool. The object of my invention is to obviate these evils and produce a simple, durable, and effective device, by which the wool is not only kept from being discolored but readily and equably dried; and my invention consists in an improved article of manufacture as made with a wooden frame, provided with a longi-

tudinal groove in each of its outer vertical faces, and having a series of thin strips of wood or rattan reeved through the frame, and crossed or interlaced in the form of open basket-work.

In the drawing, $A A^1 A^2 A^3$ are four wooden bars, constituting the frame-work of the device, the upper face of each being made of a convex shape in order to allow the wool to be readily placed on the frame or removed therefrom. On each outer vertical face of the frame a longitudinal groove, b , is made, the same having a depth a little greater than the thickness of the rattan, and serving to so embed the looped ends of the latter as to prevent any wear or abrasion while being handled. Through each of these bars a series of transverse holes is made at suitable distances apart, and through such holes thin narrow strips $a a'$ of wood or rattan are reeved and interlaced at right angles, they being carried alternately back and forth through the holes and crossed, as shown in the drawing, their ends being suitably secured to the frame-work.

This improved frame may be supported in the drying-room upon bars extended across the room, or be suspended from the ceiling by means of ropes provided with hooks to connect with the frame.

The above-described peculiar construction of the frame with the thin narrow strips of rattan interlaced, as above set forth, and constituting a frame for drying wool, I believe to be new and useful for the purpose designed.

Having thus described my invention, what I claim is—

As an improved article of manufacture, the above-described wool-drying frame, consisting of the bars A, A^1, A^2 , and A^3 , grooved longitudinally, and having thin strips of wood or rattan reeved through the same, and crossed or interlaced in manner substantially as shown.

EDWARD DUFFEE.

Witnesses:

F. P. HALE,
F. C. HALE.