

J. A. SALMON.
DENTIST'S TOOL RACK.

No. 62,368.

Patented Feb. 26, 1867.

Fig. 1.

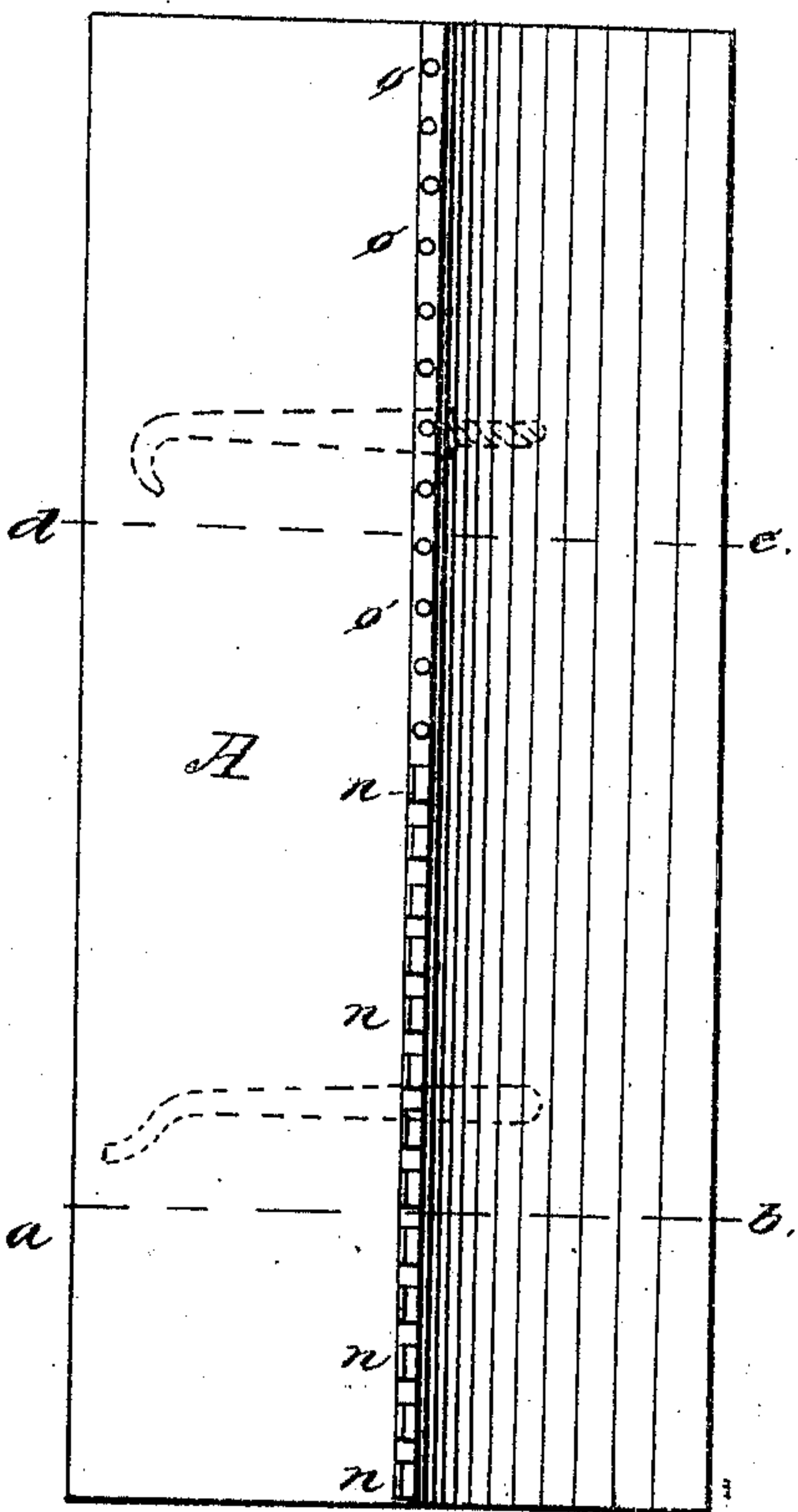


Fig. 1^x

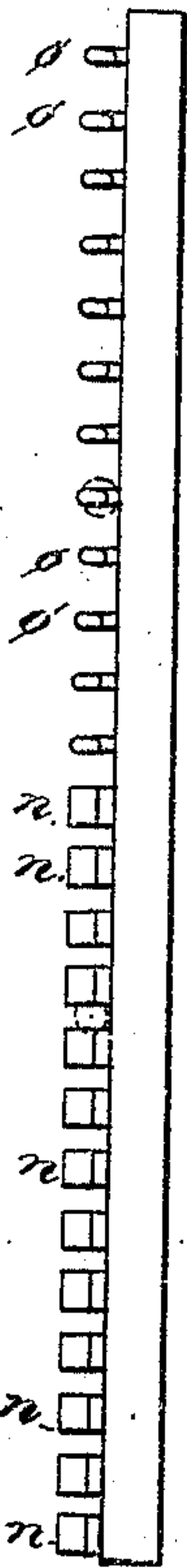


Fig. 2

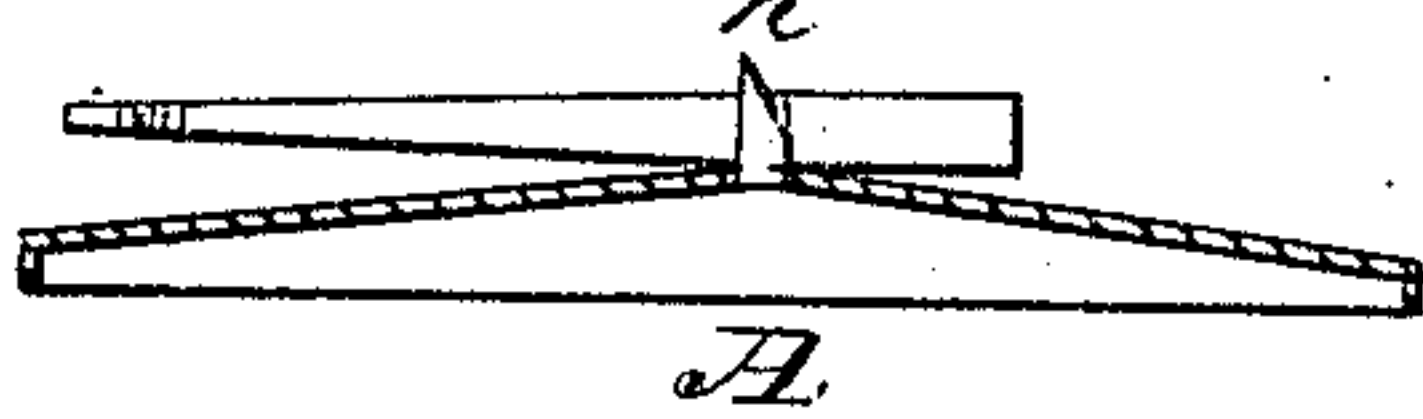
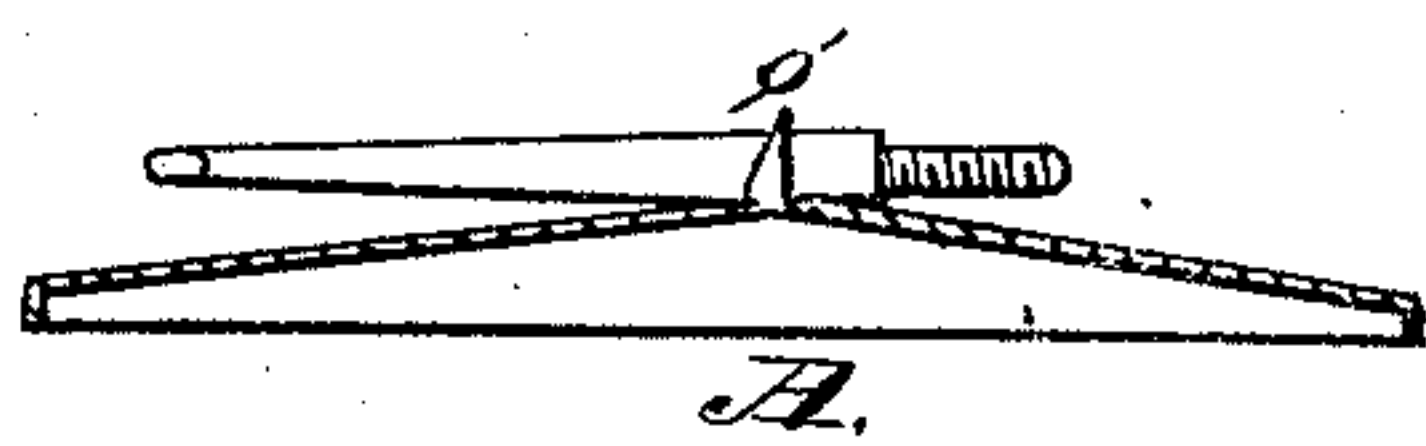


Fig. 3.



Witnesses:

W. F. Hall
Jas. E. Ewin

Inventor:

Jra A Salmon
By Miner
Attorneys

United States Patent Office.

IRA A. SALMON, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 62,368, dated February 26, 1867.

IMPROVEMENT IN DENTISTS' TOOL-RACKS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, IRA A. SALMON, of Boston, in the county of Suffolk, and State of Massachusetts, have made a new and useful Instrument Rack for Dentists' Tools; and I do hereby declare the following to be a full, clear, and exact description of the nature, construction, and operation of the same, sufficient to enable one skilled in the art to which it appertains to construct and use the same, reference being had to the accompanying drawings, which are made part of this specification, and in which—

Figure 1 is a plan view; and

Figure 3 a side elevation.

Figure 2 is a transverse section at *a b*, fig. 1.

Figure 4 is a transverse section at *d e*, fig. 1.

The improvement consists of a tray or cushion having upon it a series of wedge or chisel-shaped projections, between or upon which the tools belonging to the dental mallet are placed, so as to be readily detached thereby from the stock of the mallet and retained in convenient position for being again attached.

In the drawings, A is the tray, cushion, or platform, in which is firmly embedded the lower part of a rack, whose projecting elevations, *n n*, *o o*, are of a wedge or chisel shape, for reasons to be explained. It is necessary, in connection with the dental mallet, to have a variety of pluggers, which require frequent changing, and it becomes a matter of convenience and economy of time to have a means afforded for instantly detaching them from the stock, leaving them in position to be readily accessible. The shanks are either socketed or screwed into the stock, and in my rack the means are afforded for the removal of either. To begin with those which are merely slipped into the socket of the hammer-stock: The shank of each tool has upon it two flattened portions at opposite sides; it also has a hole through this flattened portion, which hole and flattened portion of the tool (when in the socket) enter partly into the socket, only leaving them partly in sight. This hole is slipped down upon one of these chisel-shaped or bevelled pins *o o* until the end of the socket strikes the thick part of the pin, when, by a downward movement of the case, the pin acts as a lever, prying out the tool, the end of the socket being the fulcrum. This flattened portion is laid into the notch between two of the projections *n n*, and by pressure downwards, the wedge pressing against the shoulder of the plugger and the end of the stock, the tool is withdrawn and lies in the interval between the projections *n n*, ready to be again attached when required, the projections *n n* embracing it at the narrow or flattened portion, not allowing it to slip out longitudinally. A little depression of the case will cause the projections *o o* and *n n* to act as levers in withdrawing the tool from the stock. In case the tool is screwed into the stock the hole is slipped over one of the pins *o o* or the flattened part into one of the slots *n*, and the stock being rotated, the tool is detached and left upon the projection or in the slots *n*, ready for being again attached to the stock when required, as shown in fig. 3, *p p*.

I make no claim to a tool-rack as represented in the United States Patent No. 54,882; but what I do claim as my invention, is—

A tool-rack or instrument-rack made of steel pins, bevelled on one side, in the manner and for the purpose hereinbefore described.

I also claim, as an improvement on United States Patent No. 54,882, or any such rack, the construction of the teeth, bevelled, wedge or chisel shaped, substantially as and for the purposes and objects as hereinbefore specified,

To the above specification of an improved dentists' instrument-rack I have signed my hand this second day of June, 1866.

IRA A. SALMON.

Witnesses:

ROBT. D. SMITH,

M. P. OLIVER.