

(No Model.)

F. O. FARWELL.  
OVEN SHELF.

No. 563,467.

Patented July 7, 1896.

Fig. 1.

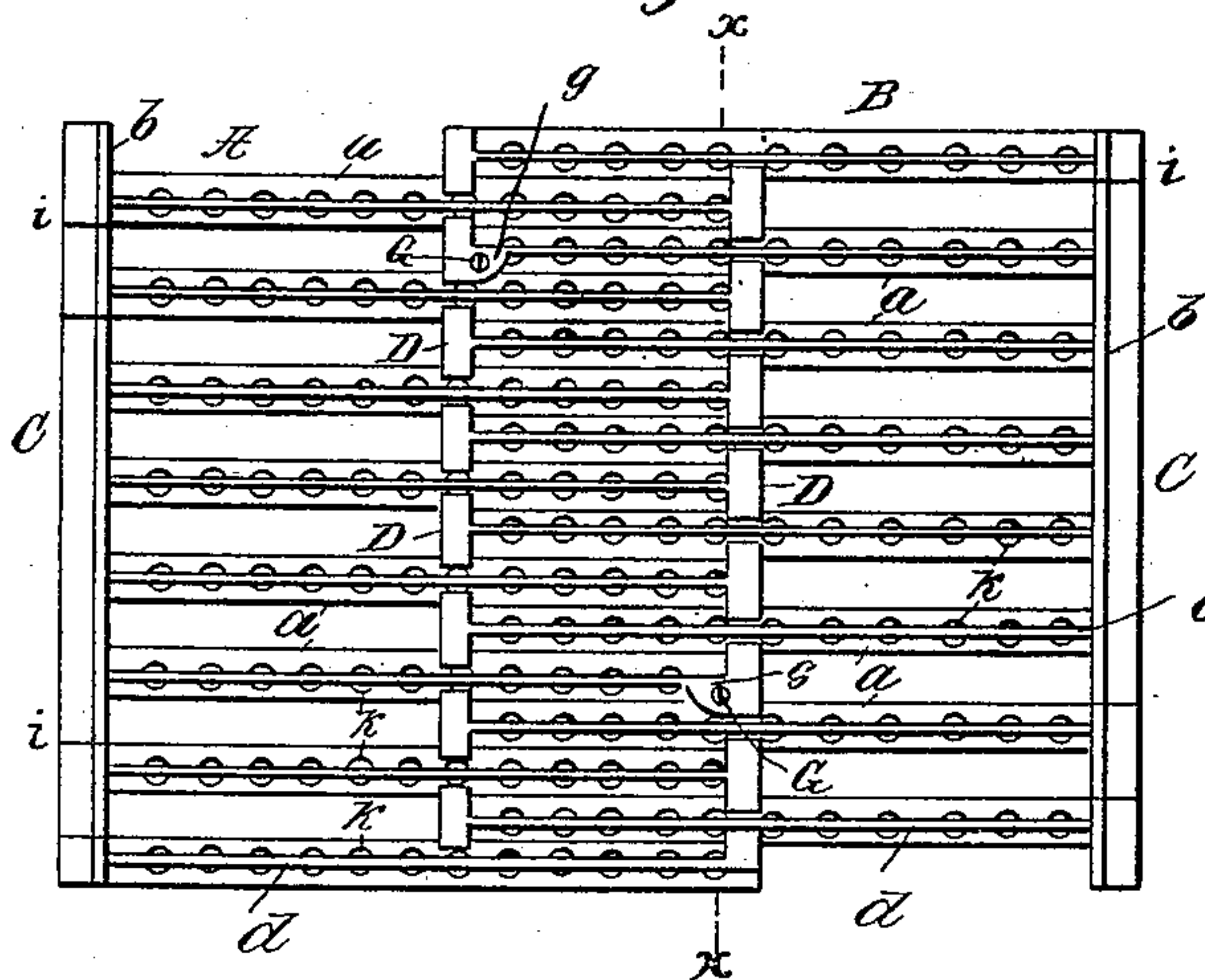


Fig. 2.

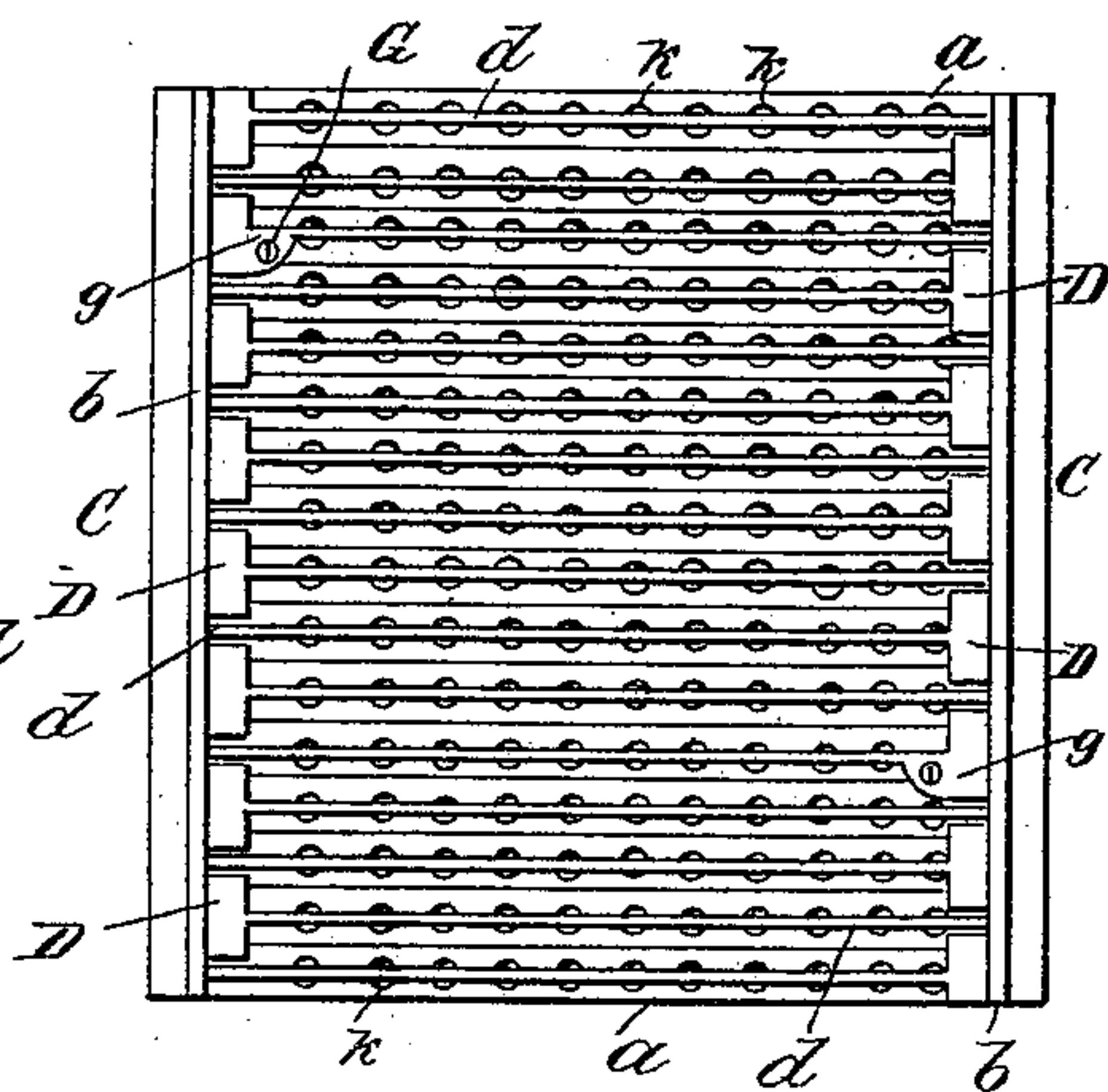


Fig. 3.

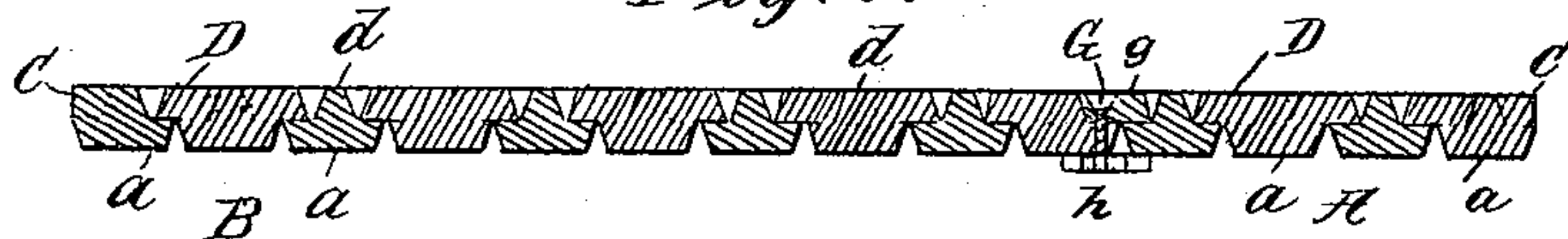
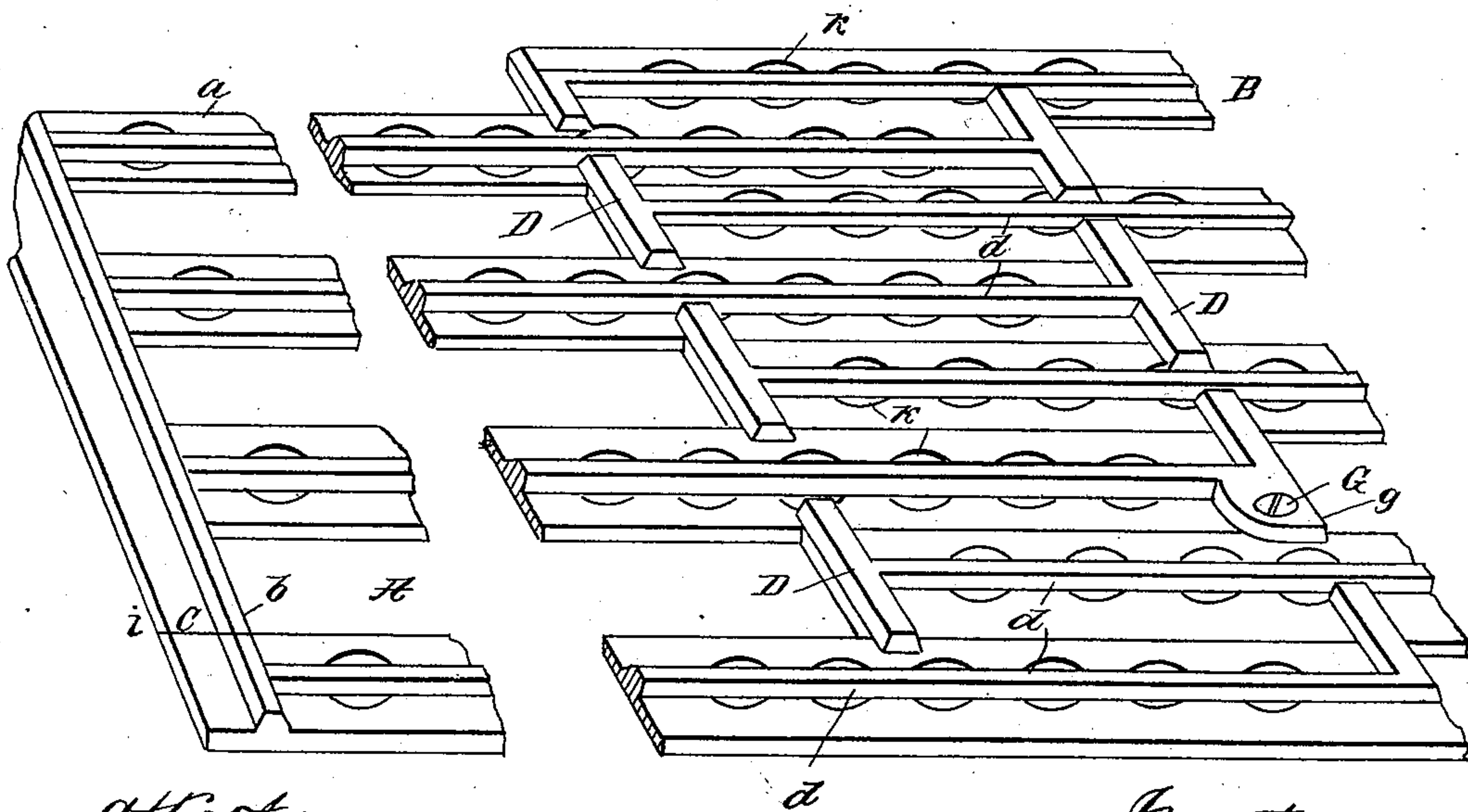


Fig. 4.



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# UNITED STATES PATENT OFFICE.

FAY O. FARWELL, OF DUBUQUE, IOWA, ASSIGNOR OF ONE-HALF TO THE  
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## OVEN-SHELF.

SPECIFICATION forming part of Letters Patent No. 563,467, dated July 7, 1896.

Application filed November 4, 1895. Serial No. 567,861. (No model.)

*To all whom it may concern:*

Be it known that I, FAY O. FARWELL, a citizen of the United States, residing at Dubuque, in the county of Dubuque and State of Iowa, have invented certain new and useful Improvements in Oven-Shelves; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Experience in the use of oven-shelves for cook-stoves has developed the fact that frequent breakage occurs which causes great annoyance and expense to replace the same, as the size and shape of ovens vary to a considerable extent in different makes of stoves.

The object of my present invention is to provide an adjustable or extension shelf for ovens in cook-stoves which shall be adapted to fit ovens of different sizes and shapes, whereby broken shelves may be replaced at a trifling cost.

Another object is to so construct an adjustable or extension oven-shelf that it will present an even or level upper surface for the cooking utensils to rest thereon while its contents are being cooked. Hereinafter in the specification, taken in connection with the accompanying drawings, will be given a full and comprehensive description of its construction and mode of operation.

Figure 1 is a top view of the shelf partly extended. Fig. 2 is a top view of the shelf closed. Fig. 3 is a section on the line X X of Fig. 1. Fig. 4 is an enlarged perspective of part of a shelf, showing construction.

Like letters of reference denote corresponding parts in all of the drawings.

The shelf is preferably made of iron cast in two sections A and B. Along the end of each of the sections is a plate C, which rests upon the cleats or shelf-supports secured to the inner side of the oven. The plates C are provided with a strengthening or staying rib *b*, which forms a part of each plate, and breaking-grooves *i i*, for the purpose presently to appear. At right angles to the plate C and integral therewith are cast bars *a a*, each having a staying-rib *d* running lengthwise of said bar. Each of the said ribs are also provided with a cross-bar D at their outer ends

and integral therewith, which overlap the bar *a* on both sides sufficiently to engage the bars of the opposite section and slide thereon. Section B is a duplicate of section A. It will be seen that by constructing the section with the staying-ribs *d* of the same height as the cross-bar D when the two sections are united as shown in Fig. 4 the combined shelf will present an even or level upper surface for the cooking utensils to rest upon. Each bar *a* is provided with perforations *k k* to allow a free circulation of air through the shelf when the two sections of the shelf are brought together, as shown in Fig. 2.

For the purpose of securing the sections at any given position and preventing them from telescoping in the oven, one of the bars *a* upon each section has an enlargement *g* and is provided with a bolt G and nut *h*, whereby the two sections may be rigidly bolted together.

In adapting this shelf to fit an oven, the two sections are interlocked by engaging their outer ends and springing them together, and the two sections are then adjusted till the plates C rest upon the shelf-supports in each side of the oven and the two sections are drawn down tightly together by the nut *h*, and thus the two sections are prevented from movement in either direction. If the shelf is too wide for the oven, then one or more bars *a* may be removed by breaking off the plate C at the grooves *i i*.

Having now described my invention, what I claim is—

1. An adjustable oven-shelf, consisting of two sections adjustably united together and means for holding them rigidly in any adjusted position, for the purposes shown.

2. An adjustable oven-shelf, consisting of two sections telescoping upon each other and each section having an end plate to rest in the sides of the oven, bars integral with said end plate and at right angles thereto, said bars provided with cross-bars at their outer ends and means for rigidly holding said section in any adjustable position, as and for the purposes shown.

3. In combination with a stove-oven, having means for sustaining one or more shelves therein, an adjustable shelf composed of two



sections telescoping upon each other, each section having an end plate with bars secured at right angles to said end plate and provided at their outer ends with cross-bars, engaging  
5 the adjacent bars of the opposite section and means for rigidly holding said section in any adjusted position, for the purposes shown.

4. An adjustable oven-shelf consisting of two sections telescoping into each other, and  
10 each section consisting of an end plate C, with rib *b*, bars *a*, having ribs *d*, and cross-bars D, and screw G, with nut for holding said section in any adjustable position, as and for the purposes shown.

15 5. An adjustable oven-shelf, consisting of two sections adjustably united together and each section provided with an end plate to rest in the sides of the oven, and having a strengthening-rib running lengthwise there-  
20 of, bars integral with said plate and at right angles thereto and each bar provided with a strengthening-rib running longitudinally to said bar upon the upper side and of the same

height as the rib on said plate, a cross-bar at the outer end of each of said bars of the same  
25 thickness as the ribs on said bar and overlapping opposite adjacent bars, and means attached to one or more of said bars for rigidly holding said section in any adjustable position, as and for the purposes shown. 30

6. In combination with a stove-oven, having means for sustaining one or more shelves therein, of an adjustable shelf consisting of two sections telescoping upon each other, each  
35 section composed of end plate C, having rib *b*, and breaking-grooves *i*, bars *a*, at right angles to plate C, each bar provided with ribs *d*, perforations *k*, and cross-bar D, and means for securing said sections together in any adjusted position, as and for the purposes shown. 40

In testimony whereof I affix my signature in the presence of two witnesses.

FAY O. FARWELL.

Witnesses:

M. M. CADY,  
F. M. BLAKE.