

J. H. MITCHELL.

Gridirons.

No. 158,858.

Patented Jan. 19, 1875.

Fig. 1.

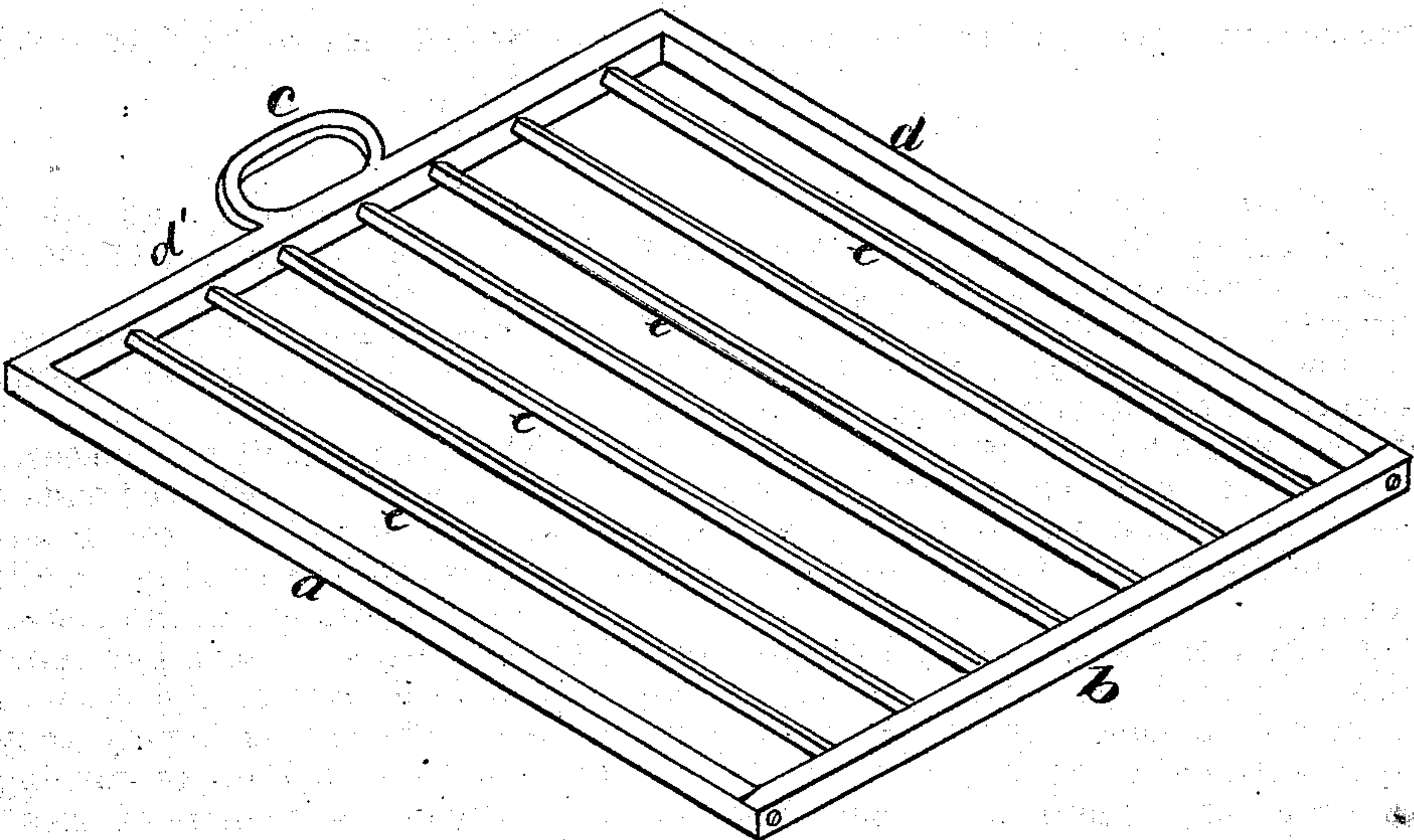
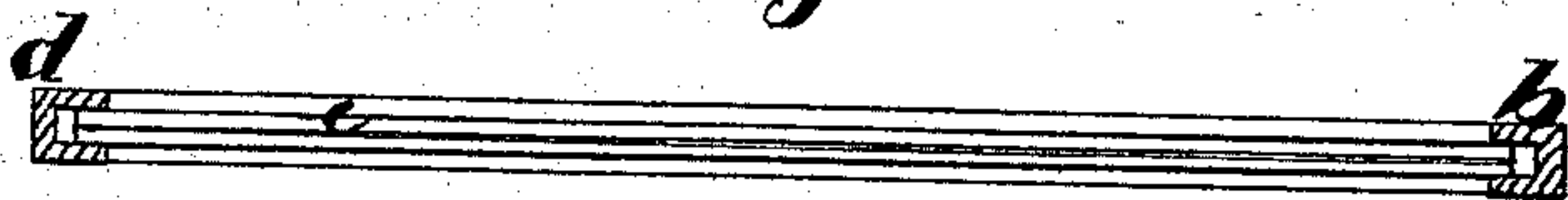


Fig. 1.



Witnesses

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UNITED STATES PATENT OFFICE.

JAMES H. MITCHELL, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN GRIDIRONS.

Specification forming part of Letters Patent No. **158,858**, dated January 19, 1875; application filed August 7, 1874.

To all whom it may concern:

Be it known that I, JAMES H. MITCHELL, of San Francisco city and county, State of California, have invented an Improved Gridiron; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

The object of my invention is to provide a gridiron for broiling meats, which can be readily repaired in case any portion of it should become worn out or destroyed by use.

In order to explain my invention so that others will be able to understand its construction and operation, reference is had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a perspective view. Fig. 2 is a sectional view.

The frame of the gridiron can either be composed of four separate pieces, *a b d d'*, each piece forming one side; or three sides may be formed or cast in one piece, so that the fourth side, *b*, only will form a separate piece.

When the four sides are composed of four separate pieces, three of the sides may be secured together by rivets, bolts, or other permanent fastening at the corners; but the fourth side should be secured by means of screws or removable fastening, so that it can be taken off when desired.

When three of the sides are formed in one piece, the fourth side should be attached by removable fastenings, as above described.

I prefer to employ the side *d'*, upon which the handle *c* is formed, as the removable part of the frame.

These pieces, which compose the gridiron-frame, may be made of either wrought or cast iron.

The two opposite side pieces, *b d*, I provide with holes, in which the ends of the parallel bars *e e* of the gridiron are placed. These bars are cut short enough to allow a sufficient play or end motion in the holes, to provide for the expansion of each bar separate and independent of each of the others, and by giving them sufficient end play they will be prevented from buckling or warping when heated.

In case one or more of these parallel bars should become worn or burned out, they can be readily removed and replaced by new ones after removing the removable side *b*.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

As a new article of manufacture, a rectangular gridiron constructed as described, having one removable side, and with the opposite sides, *a b*, provided with recesses for holding the bars *e e*, which bars are cut short enough to allow a play or end motion in the recesses, to prevent buckling or warping when heated, as above set forth.

In witness whereof I hereunto set my hand and seal.

JAMES H. MITCHELL. [L. S.]

Witnesses:

JOHN L. BOONE,

C. M. RICHARDSON.