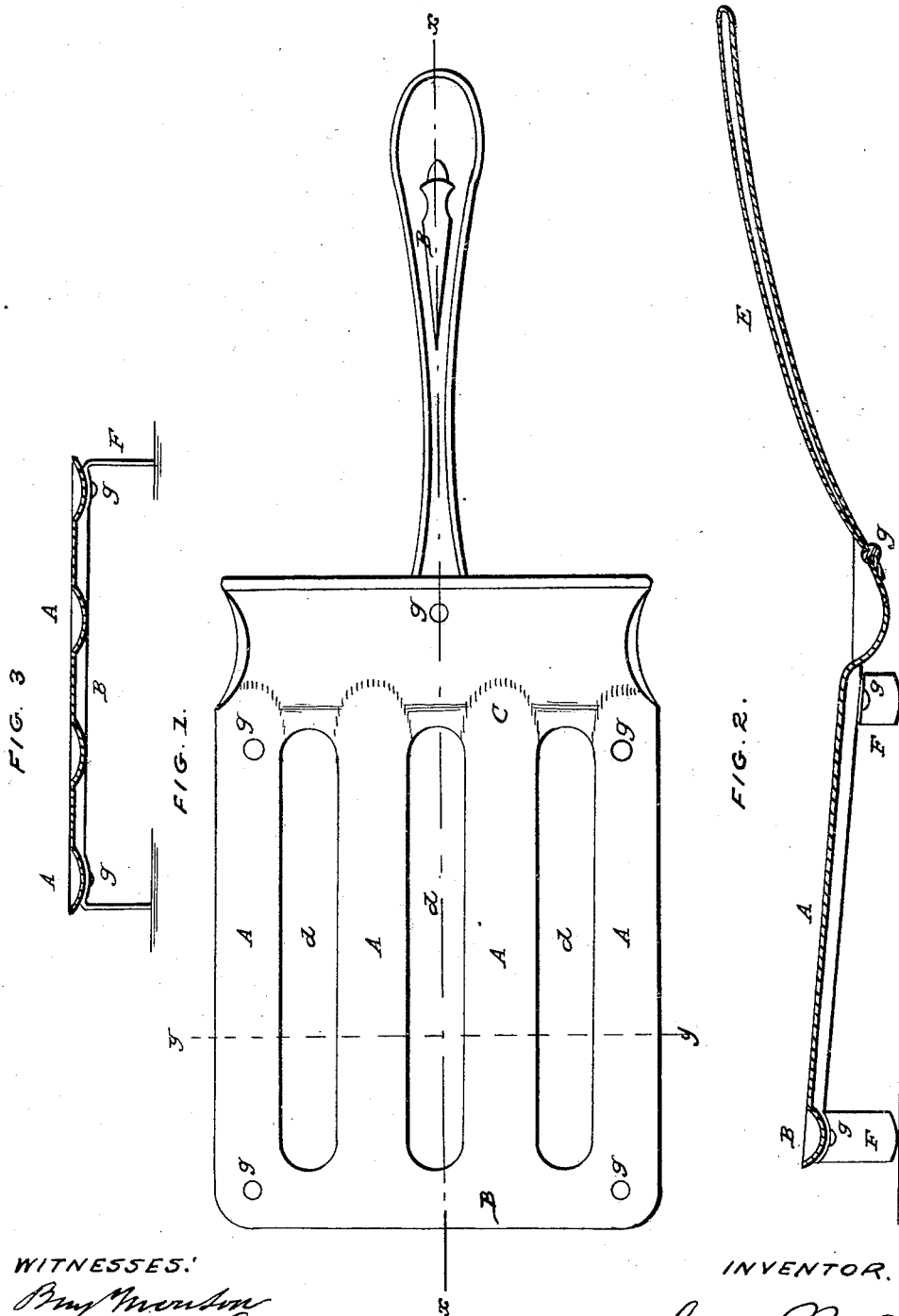


G. BOOTH.
Gridiron.

No. 49,581.

Patented Aug. 22, 1865.



WITNESSES:

John H. Conway.

INVENTOR.

George Booth

UNITED STATES PATENT OFFICE.

GEORGE BOOTH, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO PORTER
& BOOTH, OF SAME PLACE.

IMPROVEMENT IN SHEET-METAL GRIDIRONS.

Specification forming part of Letters Patent No. 49,581, dated August 22, 1865.

To all whom it may concern:

Be it known that I, GEORGE BOOTH, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in the Manufacture of Sheet-Metal Gridirons; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents the upper side of the said improved gridiron; Fig. 2, a longitudinal vertical section on the faint line *x* of Fig. 1; and Fig. 3, a transverse vertical section on the faint line *y* of the same figure.

Like letters of reference indicate the same parts when in the different figures.

In manufacturing sheet-metal gridirons it has hitherto been the practice to make the bars and the head and tail rests each of separate or distinct pieces, fastened together by means of a rivet at each end of the bars. This mode of construction not only requires a great deal of work, and therefore proportional cost, but the places of junction of the said pieces afford receptacles for dirt or charred grease, which is very troublesome and difficult to be removed.

The object of my invention is to obviate these objections; and it consists in making the bars and rests of a sheet-metal gridiron in one piece by cutting out and forming up the said piece of sheet metal, substantially as hereinafter described and specified.

In the drawings, A A are the bars, B the head and C the tail rests.

In manufacturing these improved gridirons I proceed as follows: I first cut a flat sheet or plate of the metal into the size and exterior

form required for the purpose, and then, by means of a suitable die or punch, make the required slots *d d* in the same, the number of the slots and bars being governed by the size of the gridiron required to be produced. I then subject these skeletons to the action of a pair of suitable forming-dies, and thus by one operation bring them into the usual grooved or trough form shown in the drawings. I now attach the handle E and the feet F F by means of the small rivets *g g*, and finally pass each of the said gridirons through a bath of melted tin, and thus coat or finish the same for the market.

The tail-rest *c* is in this instance shown as made in the form of a gravy-receiver; but it may be made narrower and so as to run the gravy into a removable pan, as heretofore; but the construction shown in the drawings is found to be the cheaper and better one of the two.

It will be readily seen that this sheet-metal gridiron can be made at less cost than those of the old mode of construction, and that it can be more easily kept clean and in perfect order for use.

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

As an improved article of manufacture, a sheet-metal gridiron having its bars and its head and tail rests constructed in one piece of the sheet metal, substantially as and for the purposes specified.

GEORGE BOOTH.

Witnesses:

BENJ. MORISON,
JOHN F. CONWAY.