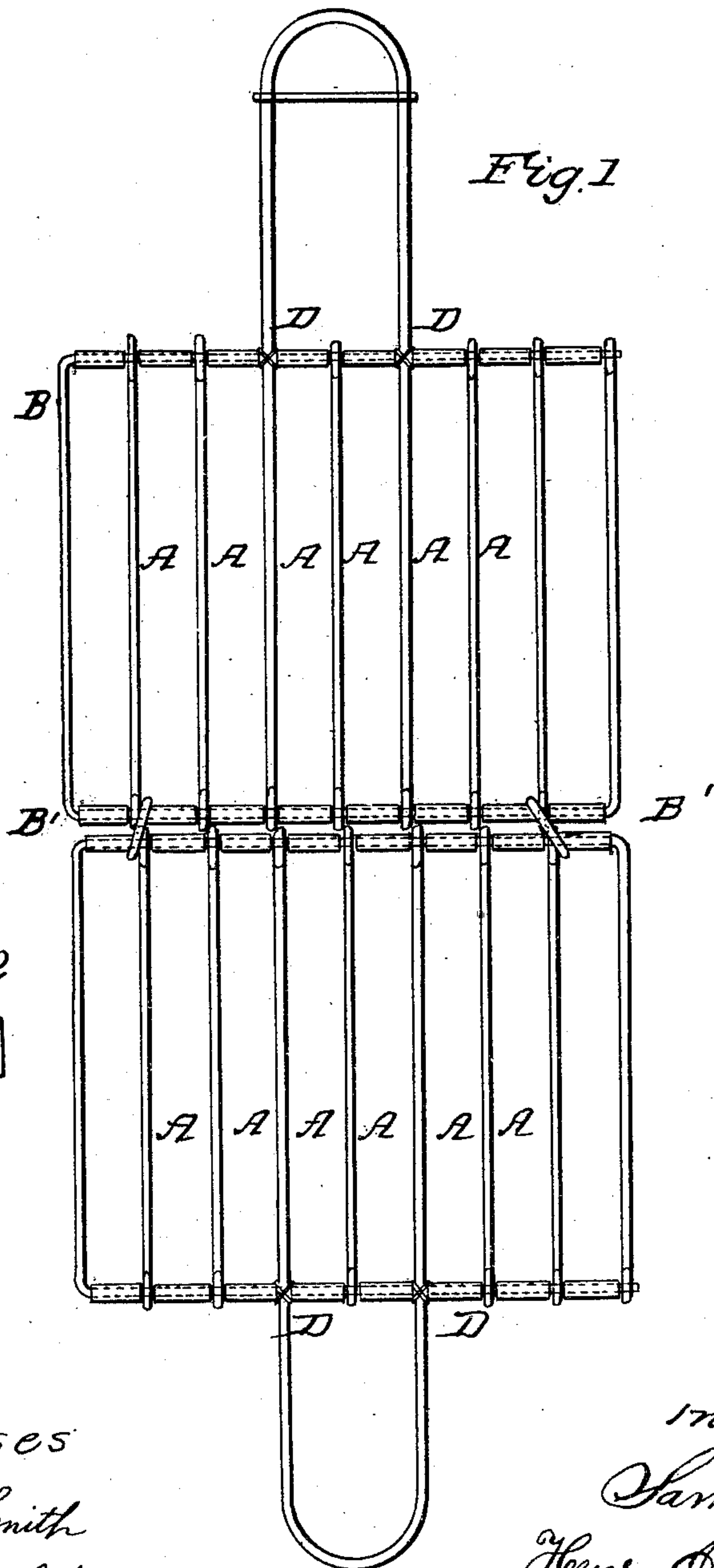


AYRES & CHAMBERLIN.

Wire Toaster.

No. 44,590.

Patented Oct. 11, 1864.



witnesses
William L. Smith
J. Getenold

inventor
Samuel Ayres
Henry J. Chamberlin

UNITED STATES PATENT OFFICE.

SAMUEL AYRES AND HENRY J. CHAMBERLIN, OF WORCESTER, MASS.

IMPROVED WIRE TOASTER OR BROILER.

Specification forming part of Letters Patent No. 44,590, dated October 11, 1864.

To all whom it may concern:

Be it known that we, SAMUEL AYRES and HENRY J. CHAMBERLIN, of the city and county of Worcester, State of Massachusetts, have invented certain new and useful Improvements in Broilers or Toasters; and we do hereby declare the following to be a full, clear, and exact description of the same, due reference being had to the accompanying drawing.

The object of my invention is to provide means for the better securing the bars or slats in their places on the frame; and its nature consists in placing collars or ferrules on the frame between the bars in such manner that they may not be affected by use and be effectual in retaining said bars in their places.

Figure 1 shows an open broiler of our improved construction.

The bars A A A A A are turned at their ends around the frame B. These have here-

tofore been held in the place by binding or lacing wire around and between them, which soon rusts off, particularly at B', where most exposed to the fire. In ours we place a small collar or ferrule, such as shown at Fig. 2, on the frame between each of the bars. At D D, where the bars extend to form the handles, a notch is made in the frame to seat the bar and bound to place, or, if thought best, to carry them around before extending. Then the binding may be dispensed with.

We claim—

The combination of the collars, bars, and frame, when constructed and operating in the manner and for the purposes above set forth.

SAMUEL AYRES.

HENRY J. CHAMBERLIN.

Witnesses:

WILLIAM S. SMITH,
J. G. ARNOLD.