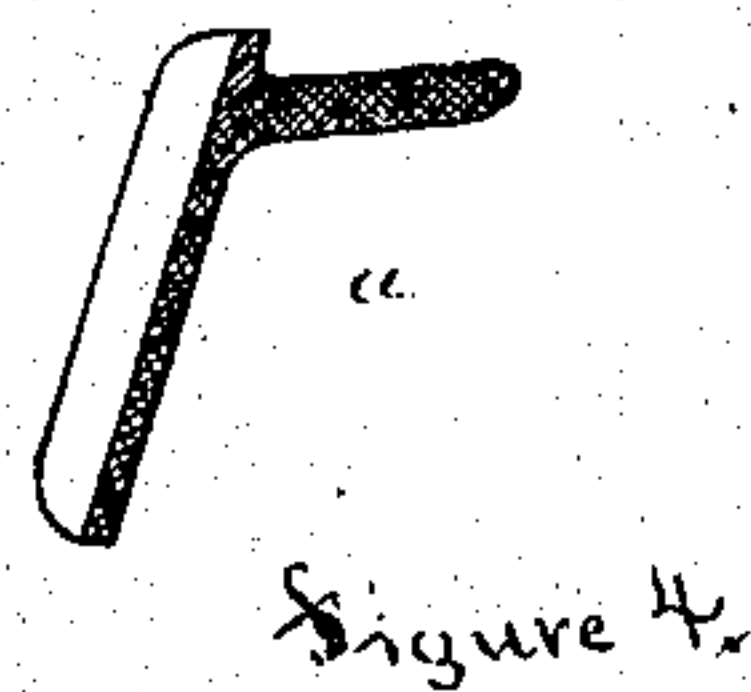
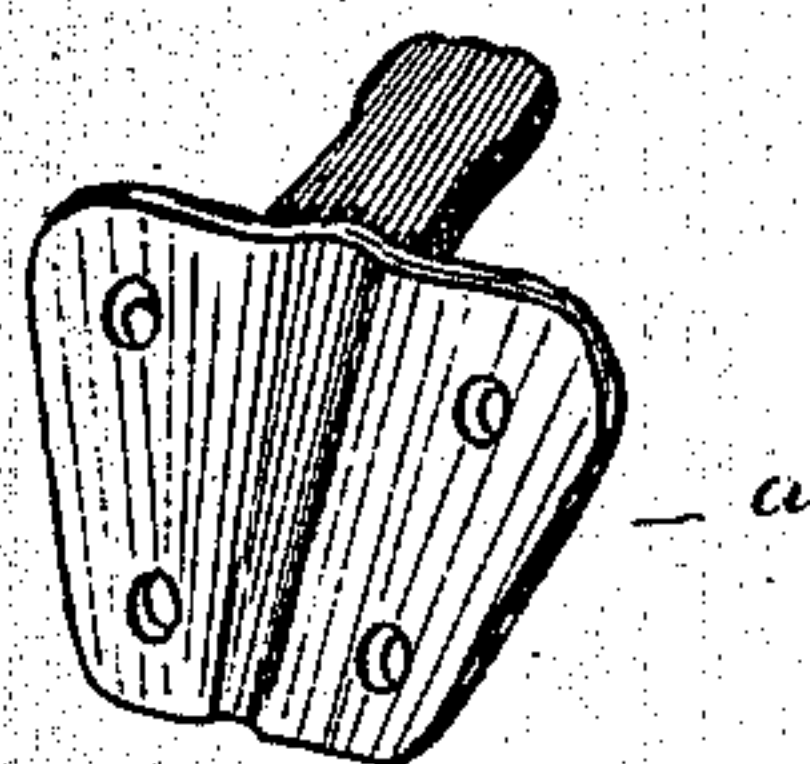
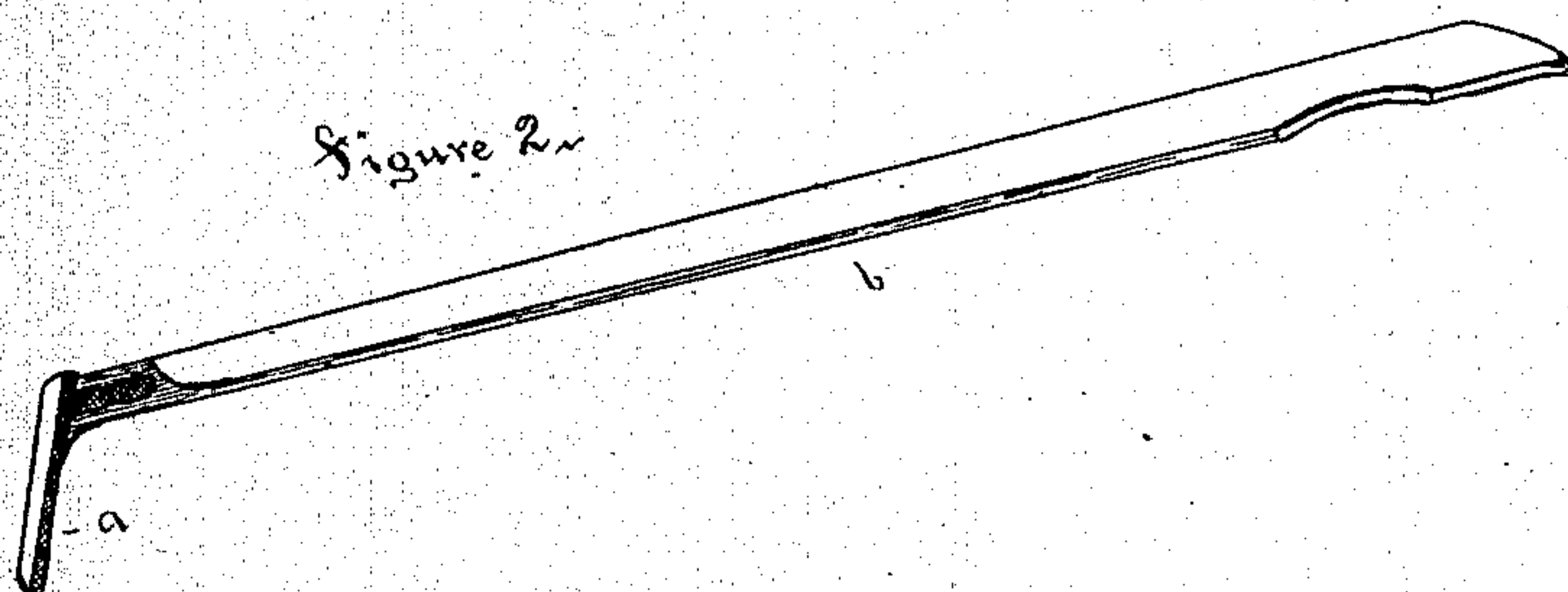
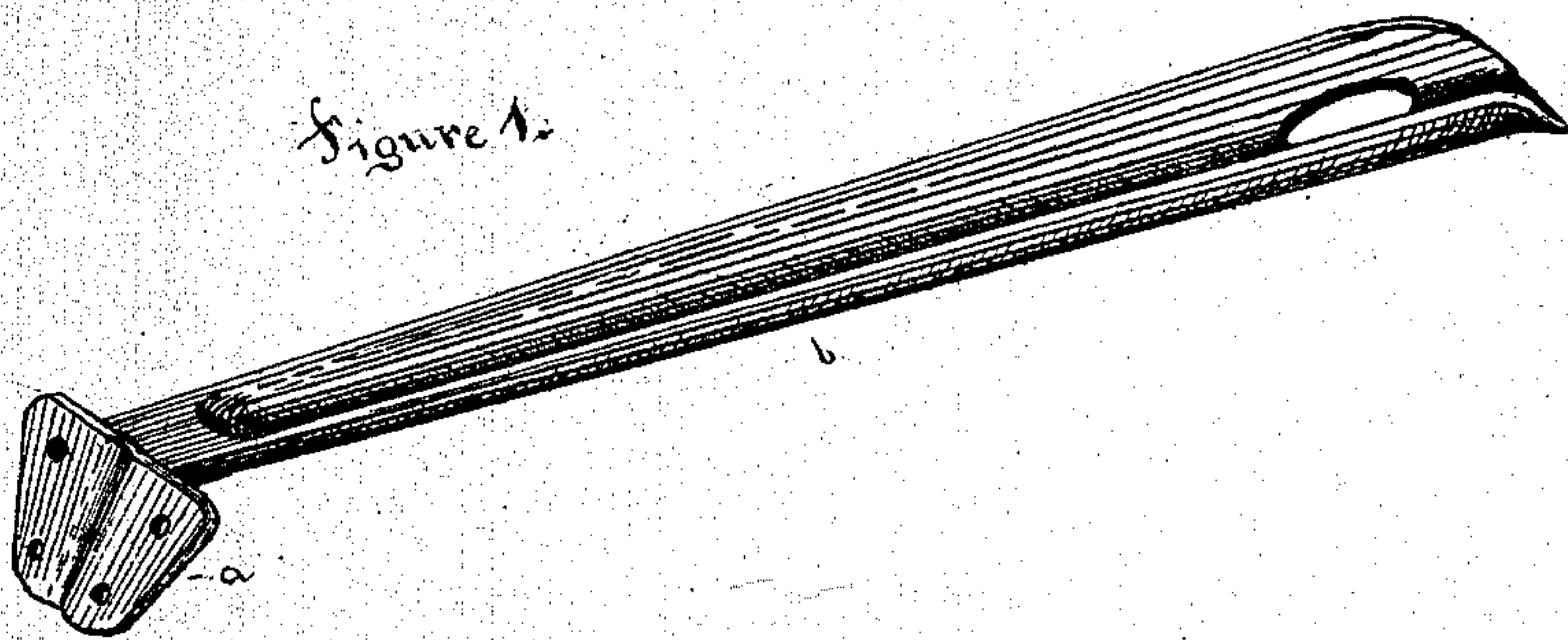


J. KINZER.  
Saucepan Handle.

No. 103,055.

Patented May 17, 1870.



Witnesses. { *Jacob Kinzer*  
*A. S. Nicholson* }

Inventor.  
*Jacob Kinzer*



# United States Patent Office.

JACOB KINZER, OF PITTSBURG, PENNSYLVANIA.

*Letters Patent No. 103,055, dated May 17, 1870.*

## IMPROVEMENT IN SAUCEPAN HANDLES.

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

I, JACOB KINZER, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented an Improvement in Saucepan Handles, of which the following is a specification.

### *Nature and Objects of the Invention.*

My invention relates to the manufacture of handles of gray cast-iron having malleable or wrought-iron lugs cast into place, the object of this being to obtain uniformity of thickness and shape without hammering and straightening, and at a cheaper rate than by the present mode of manufacture.

### *Description of the Accompanying Drawing.*

Figure 1 is a perspective view of a complete handle.  
Figure 2 is a section of the same.  
Figure 3 is a perspective view of the lug.  
Figure 4 is a section of the same.

### *General Description.*

I make of malleable iron, or its equivalent, lugs marked *a* in the drawing. These lugs I use as cores, placing them in their seats in the mold, which is then closed and the metal poured, the metal running upon the shank of the lug, as shown in section, fig. 2, in which *a* is the lug and *b* the handle run thereon.

I am aware that iron has been run upon iron in many instances, but never, to my knowledge, has a gray iron handle been cast upon a malleable lug for the purpose as set forth.

I claim as my invention—

The handle composed of malleable and cast-iron, constructed as described and shown.

JACOB KINZER.

Witnesses:

DANL. KINZER,  
A. S. NICHOLSON.