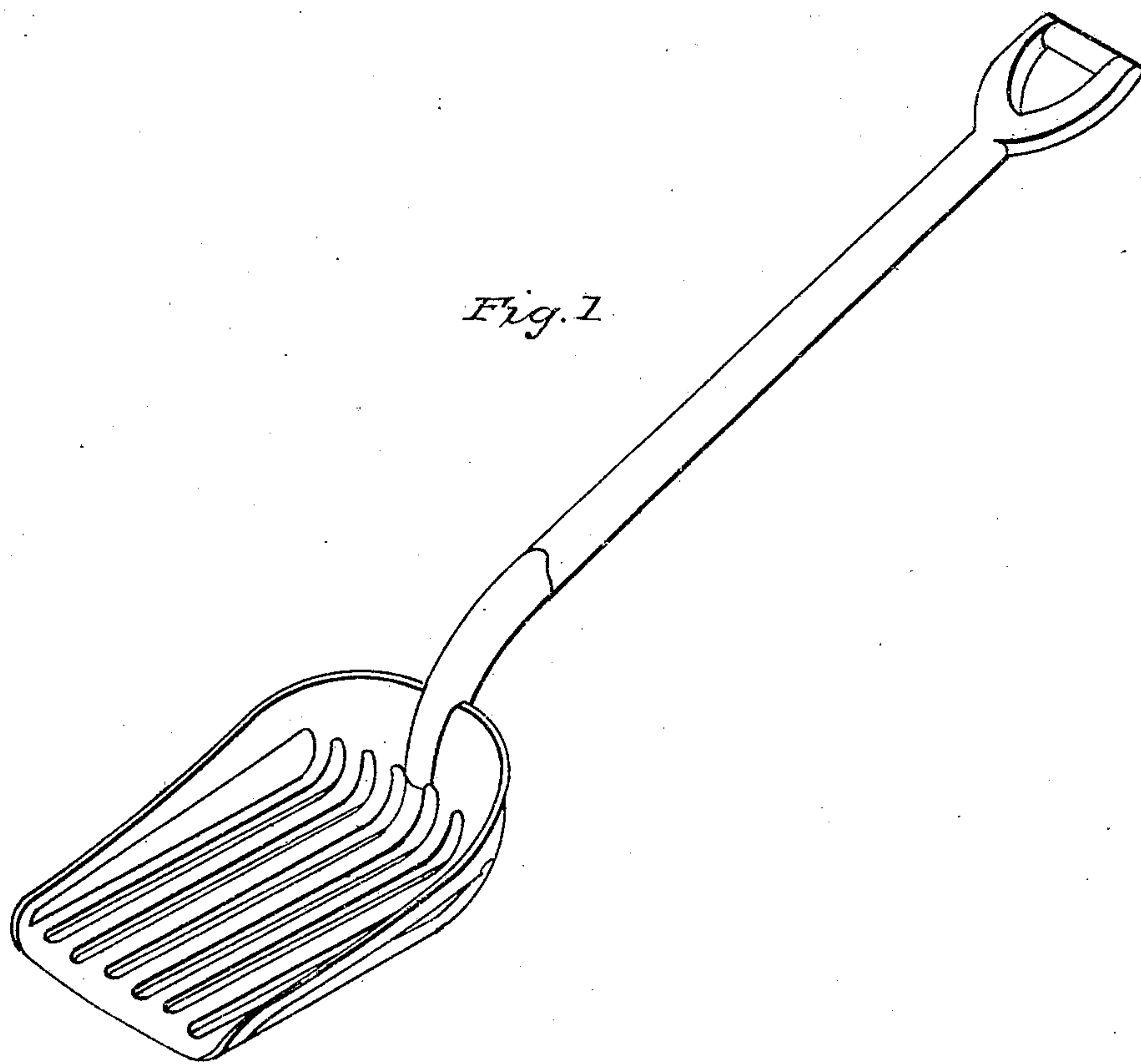


P. A. SABBATON.

Sifting Shovel.

No. 22,514.

Patented Jan'y 4, 1859.



WITNESSES

James M. Edmunds
John H. Stiles

INVENTOR

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PAUL A. SABBATON, OF ALBANY, NEW YORK.

IMPROVEMENT IN SIFTING-SHOVELS.

Specification forming part of Letters Patent No. 22,514, dated January 4, 1859.

To all whom it may concern:

Be it known that I, PAUL A. SABBATON, of the city and county of Albany and State of New York, have invented a new and useful Improvement in Sifting or Screening Shovels, usually employed for shoveling and sifting coal and ridding it of the fine dust of coal and dirt in the act of shoveling; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification.

Figure 1 is a perspective view of the improved shovel.

The sifting or screening shovels now in use are either made wholly of sheet or bar iron or in part of both; and, as these materials are flexible in their nature, they are liable to bend, and thus lose their form, and consequently the shovel, when constructed of these materials, no matter how well they may be put together, is liable to soon get out of order and become unserviceable, in addition to the other defects of being expensive to construct, and clumsy, unwieldy, and fatiguing to handle.

The object of my invention is to make the shovel light, strong, and durable by forming it of a material that shall combine these characteristics when the bars and its other parts are cast thin, and thereby enable the same to withstand the wear and tear that it is subjected to in shoveling and sifting coal and other

broken material, and in assorting the different sizes of coal, coke, &c., and other purposes to which it may be applied, and at the same time render it light and convenient to handle. To effect these objects I do not in any manner alter the form of the shovel, and simply propose making the shovel in the usual or most approved form, as represented in the drawing, and of cast-iron properly annealed and made malleable in the usual method, by which means it is made a light, durable, strong, and cheap shovel, and capable of varying the spaces between the bars, of separating and sifting all ordinary substances, such as coal, coke, potatoes, or other articles, and materials of a like character.

The handle of the shovel may be formed, adjusted, and affixed to the sifting portion in the most convenient methods or to suit the views of the constructor; but it is believed that the plan of handle represented in the drawing is best suited to the design.

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

As an improved article of manufacture, a screening-shovel composed of malleable cast-iron and otherwise made, as herein shown and described.

PAUL A. SABBATON.

Witnesses:

JAMES BROWN,
LEONARD WITBECK.