

No. 641,070.

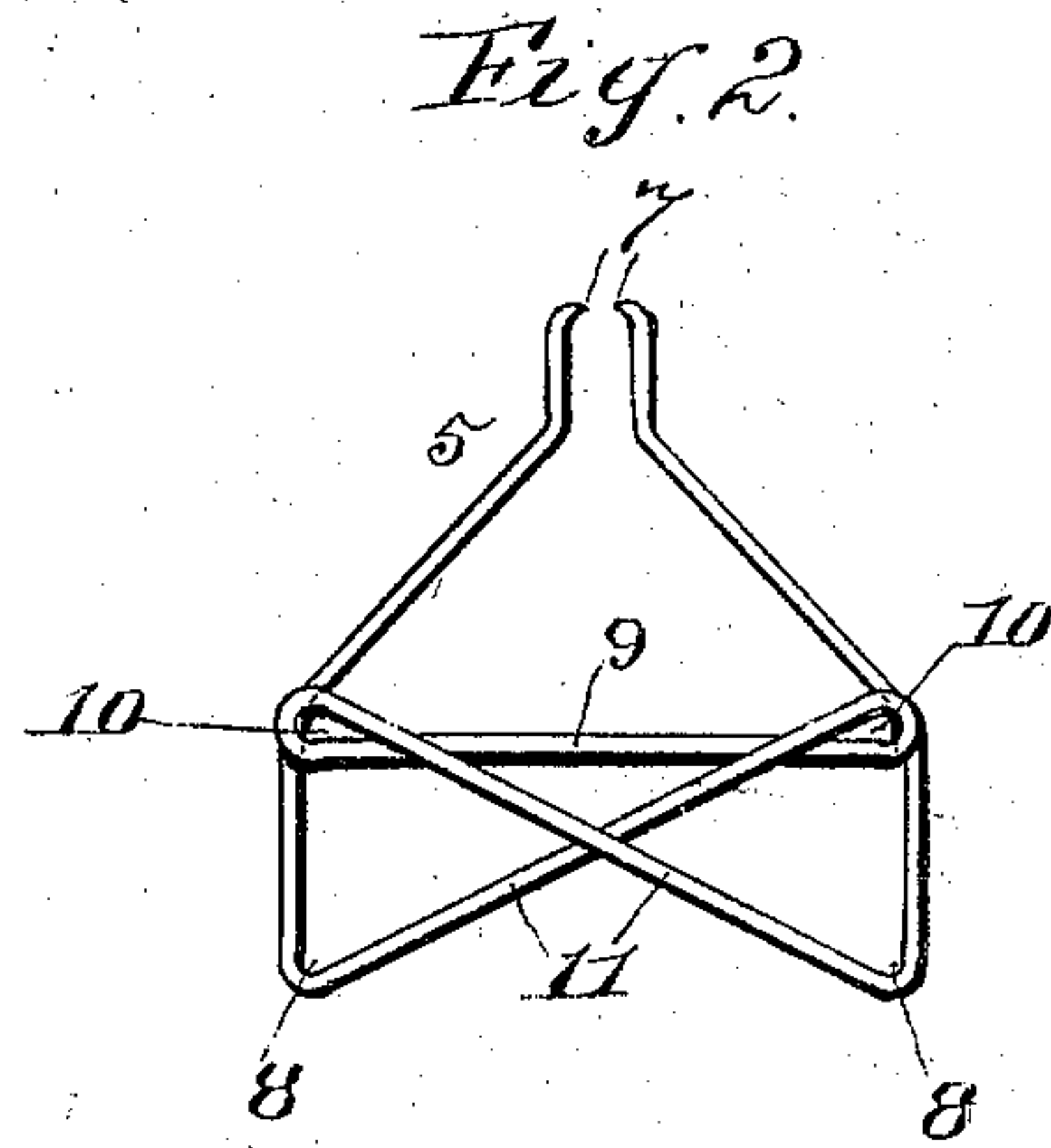
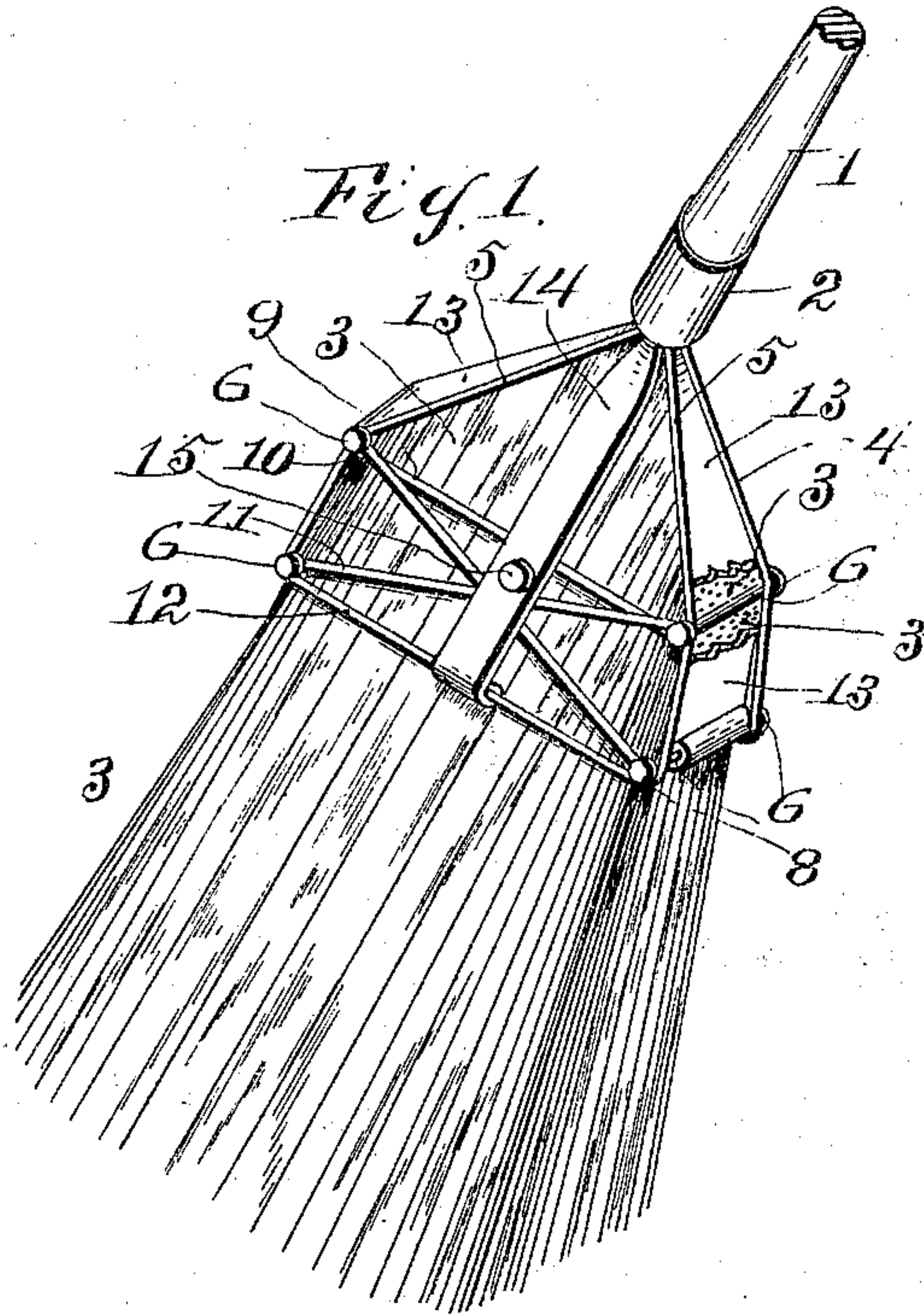
Patented Jan. 9, 1900.

G. M. BOWMAN, J. H. BLACKBURN & G. B. ROBBINS.

BROOM HEAD.

(Application filed Oct. 7, 1899.)

(No Model.)



Witnesses.

Whitman
Wallace Flossman

Inventors.

Gideon M. Bowman
James H. Blackburn
George B. Robbins
By *W. H. Wills*
Attorney.

UNITED STATES PATENT OFFICE.

GIDEON M. BOWMAN, JAMES H. BLACKBURN, AND GEORGE B. ROBBINS,
OF OSAGE MILLS, ARKANSAS.

BROOM-HEAD.

SPECIFICATION forming part of Letters Patent No. 641,070, dated January 9, 1900.

Application filed October 7, 1899. Serial No. 732,933. (No model.)

To all whom it may concern:

Be it known that we, GIDEON M. BOWMAN, JAMES H. BLACKBURN, and GEORGE B. ROBBINS, citizens of the United States, residing at Osage Mills, in the county of Benton and State of Arkansas, have invented certain new and useful Improvements in Broom-Heads, of which the following is a specification.

This invention relates to broom-heads; and the object of the invention is to provide an improved construction of wire heads for brooms, the same having novel and peculiar arrangement of the wires, so as to form an unusually strong, durable, and simple broom-head.

In the accompanying drawings, forming part of this application, Figure 1 is a perspective view of a broom supplied with our improved head. Fig. 2 is an elevation of one of the wires as it is bent to form one side of the head.

The same numeral references denote the same parts throughout the views of the drawings.

Reference now being had to the details of the drawings by numerals, 1 denotes the broom-handle, having a suitable securing-sleeve 2, and 3 denotes the broom, the two wires 4 and 5 being secured together and to the broom by bolts or rivets 6.

The wires 4 and 5 are exactly the same in structure, so that only one of them will be described. It has pronged ends 7 to be forced into the broom-handle and covered by the sleeve 2, whence the wire is projected to half-loops 8. The said wire has a straight longitudinal portion 9, terminating in loops 10. From the loops 10 the wire is bent downwardly and diagonally to form arms 11, which cross each other and terminate in the half-loops 8, the bolts being extended through the loops 10 and half-loops 8, with the broom between the two wires 4 and 5, thus forming a simple and rigid broom-head.

A brace-wire 12, having its ends secured to

the lower bolts, extends across the broom to increase the durability and life of the broom-head. From the lower bolts extends a plate-strip 13 over the edge of the broom and terminates in sharp points, which are inserted in the handle under the sleeve. Other plates 14 have one end secured to the brace-wire 12 and the other end pointed and inserted in the handle. These plates are connected by a bolt 15, extending through the broom at the crossing-point of the arms 11. These plates assist in holding the broom in the head and the latter to the broom-handle.

It is obvious that the head may be tightened by simply screwing up the bolt-nuts and that the multiplicity of prongs connecting the head with the broom will insure the parts from displacement should some of the prongs or points become disengaged from the handle.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination, with the broom-head composed of two pieces of wire having loops connected by a straight portion of the wire, cross-arms extending diagonally from the loops and terminating in half-loops, the brace-wires, and the bolts extending through the loops and half-loops, of the edge plates or strips secured to certain of said bolts and having pointed ends, the side plates or strips having one end secured to the brace-wires and the other end pointed, and the bolt extending through the side plates and through the broom at the crossing-point of the said arms, substantially as and for the purpose set forth.

In witness whereof we hereunto set our hands in the presence of two witnesses.

GIDEON M. BOWMAN.
JAMES H. BLACKBURN.
GEORGE B. ROBBINS.

Witnesses:

S. S. WILSON,
H. A. GAMBILL.