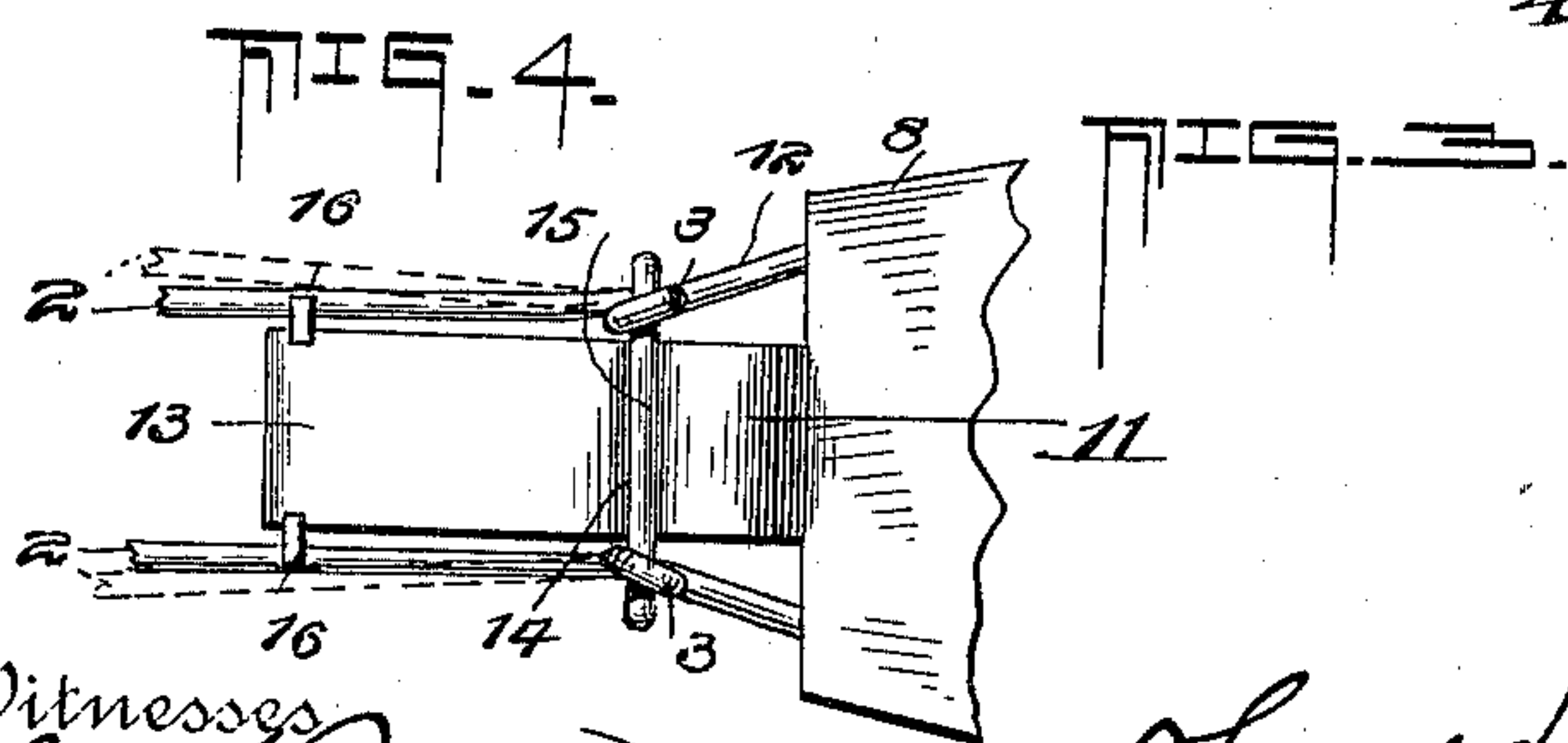
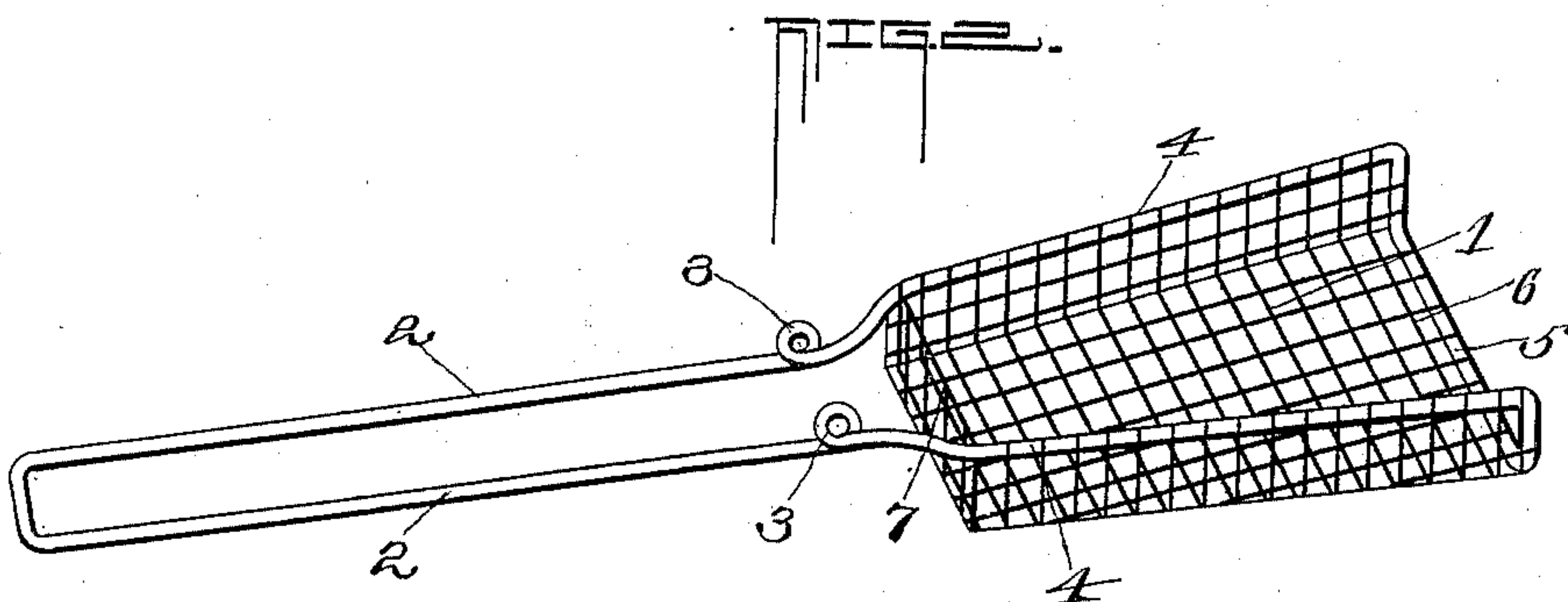
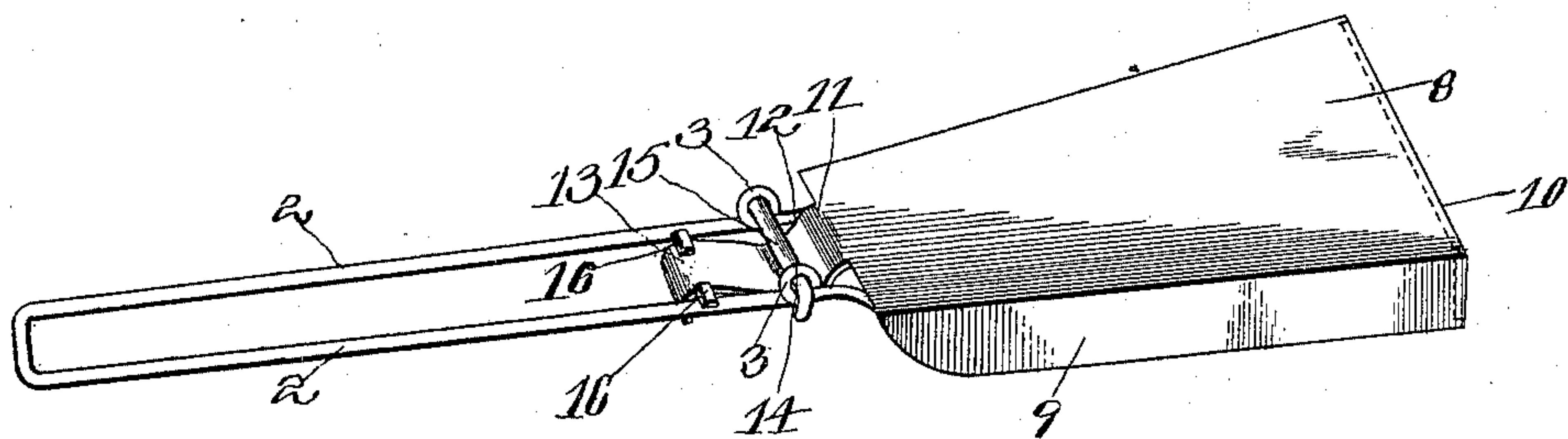
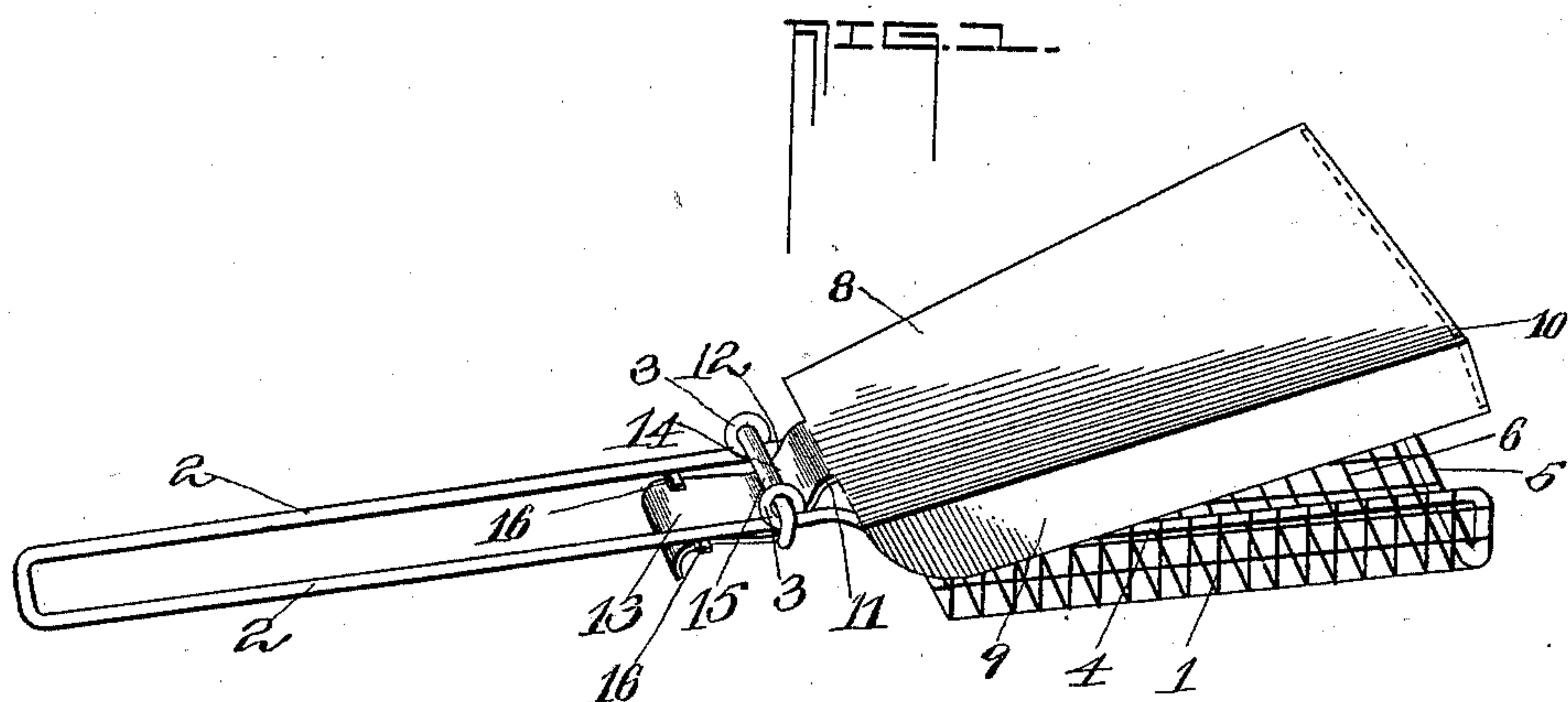


(No Model.)

L. D. McELROY.  
SHOVEL AND SIFTER.

No. 598,739.

Patented Feb. 8, 1898.



Witnesses  
*Geo. V. Byrne*  
*Victor J. Evans*

Inventor  
*Lucy L. Adams McElroy*  
By *John L. Bedderburn* Attorney



# UNITED STATES PATENT OFFICE.

LUCY DIADAMA McELROY, OF NEW YORK, N. Y.

## SHOVEL AND SIFTER.

SPECIFICATION forming part of Letters Patent No. 598,739, dated February 8, 1898.

Application filed August 31, 1897. Serial No. 650,165. (No model.)

*To all whom it may concern:*

Be it known that I, LUCY DIADAMA McELROY, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Shovels and Sifters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of my invention is to provide a combined ash sifter and shovel by means of which the ashes in the ash-pit of a stove or furnace may be sifted without permitting the dust to enter the room in which the stove or furnace is located and to fall upon the operator.

The invention consists of a wire frame having substantially parallel spring-arms constituting a handle, diverging outer ends which extend downwardly, and a sheet of wire-netting or other like material secured to the forward ends of said frame, and a lid or cover made of sheet metal having downwardly-extending flanges along its side edges and forward end, and a rearwardly-extending tongue formed with offsets constituting a handle, by means of which said cover may be raised, said offsets adapted to engage the upper or lower sides of the parallel arms of the wire frame, so that said lid or cover may be held in adjusted position.

The invention also consists in other details of construction and combinations of parts, which will be hereinafter more fully described and claimed.

In the drawings forming a part of this specification, Figure 1 represents a perspective view of my device with the lid or cover raised. Fig. 2 is a similar view of the same with the lid or cover closed. Fig. 3 is a similar view with the lid or cover removed. Fig. 4 is a plan view of the rear end of the shovel and a portion of the spring-arms constituting the handle, showing the same in full lines in their normal positions and in dotted lines in their extended positions.

Like reference-numerals indicate like parts in the different views.

My combined shovel and ash-sifter is made up of a wire frame 1, having substantially

parallel spring-arms 2 2, constituting the handle of the device, the said arms being formed by the opposite ends of the wire of which the frame is made, and having coils or loops 3 3 therein at points adjacent to their forward ends. From the rings or loops 3 the wire frame diverges slightly, forming the angularly-disposed arms 4 4, which are bent downwardly at their forward ends and connected by the cross-bar 5. To the forward end of said frame is secured a sheet 6 of wire-netting or other like material, the same being secured at its edges to the arms 4 4 and the cross-bar 5, the rear ends of said arms 4 4 being connected by a vertical strip 7 of wire-netting or other like material, the said sheet 6 and strip 7 constituting the sifting-shovel, the same being formed with an open front end. The cover 8 is made from tin or other sheet metal, has downwardly - extending flanges 9 9 upon its sides, which are adapted to inclose the sides of the shovel, and a flange 10 at its forward end, which is adapted to close up the forward end of the shovel. The rear end of said lid or cover has a tongue 11 formed upon it, which is bent downwardly, forming a substantially vertical portion 12, and then rearwardly, forming a handle or grip portion 13. Between the vertical portion 12 and the handle 13 a loop 14 is formed, through which a pin 15 passes, the said pin also extending through the rings or loops 3 in the parallel arms 2 2. By this means the lid 8 is pivoted to the frame 1. The handle 13 is formed with laterally-extending projections or offsets 16 16, which are adapted to engage the upper or lower sides of the parallel arms 2 2 for the purpose of holding the lid in its closed or open position.

The operation of my device is as follows: The lid 8 is raised by depressing the handle 13, so that the extreme rear end thereof passes between the parallel arms 2 to the under side of said arms, the said arms being adapted to yield to permit the free passage of the offsets 16 16 on said handle through them. When the parts are in the position shown in Fig. 2 of the drawings, the lid is held raised by the engagement of the offsets 16 with the under side of the parallel arms 2 2. The shovel is then inserted into the ash-pit of the stove or furnace, a proper amount of ashes forced



thereon, and the lid closed by reversing the operation just described. Said lid will be held in its closed position by the engagement of the offsets 16 with the upper side of said parallel arms. With the shovel on the inside of the stove the same is agitated and the ashes sifted, with the finer particles thereof falling into the ash-pit, and the coals or clinkers held within the sifting-shovel. As the sides and ends of the sifting-shovel are completely inclosed by the flanges 9 and 10 of the lid 8, the sifting operation must be entirely through the open bottom of the sifter. At the same time, when the lid or cover is in its raised position, the forward end of the sifting-shovel being open, the ashes may be readily forced up thereon.

Having now described the invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A sifting-shovel whose handle is formed of substantially parallel spring-arms, in combination with a cover pivoted to said spring-arms, and a grip or engaging portion on said cover having offsets adapted to engage the upper or lower sides of said spring-arms, for holding said lid in its closed or open position.

2. A sifting-shovel made up of a wire frame

having rearwardly-extending substantially parallel spring-arms with eyes or loops formed therein adjacent to their forward ends, and a sheet of wire-netting or other like material secured to the forward end of said frame forming the body part of the shovel which has an open or unobstructed forward end, in combination with a lid or cover made of sheet metal having downwardly-extending flanges upon its sides and a similar flange at its forward end adapted to completely inclose the sides and forward ends of the body part of said shovel, and a tongue extending from the rear end of said cover formed with an eye or loop through which and the eyes or loops in said parallel arms a pivot-pin passes, the rear end of said tongue constituting a handle or grip portion and formed with offsets adapted to engage the upper or lower sides of said spring-arms for holding said rod in its closed or open position.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

LUCY DIADAMA McELROY.

Witnesses:

R. EMMET KANE,  
EMMA McINTYRE.