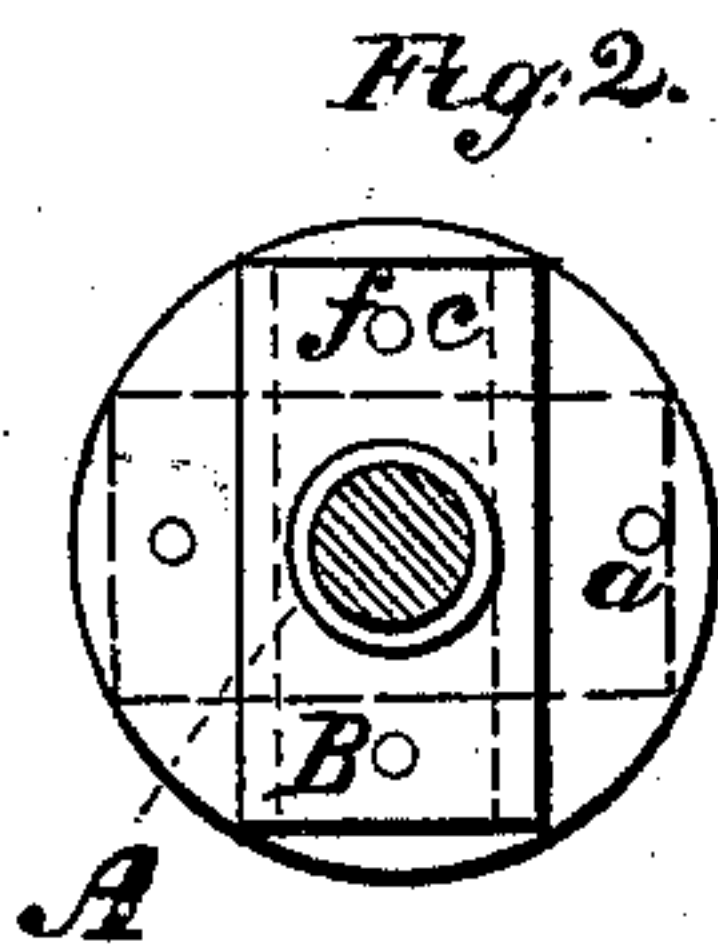
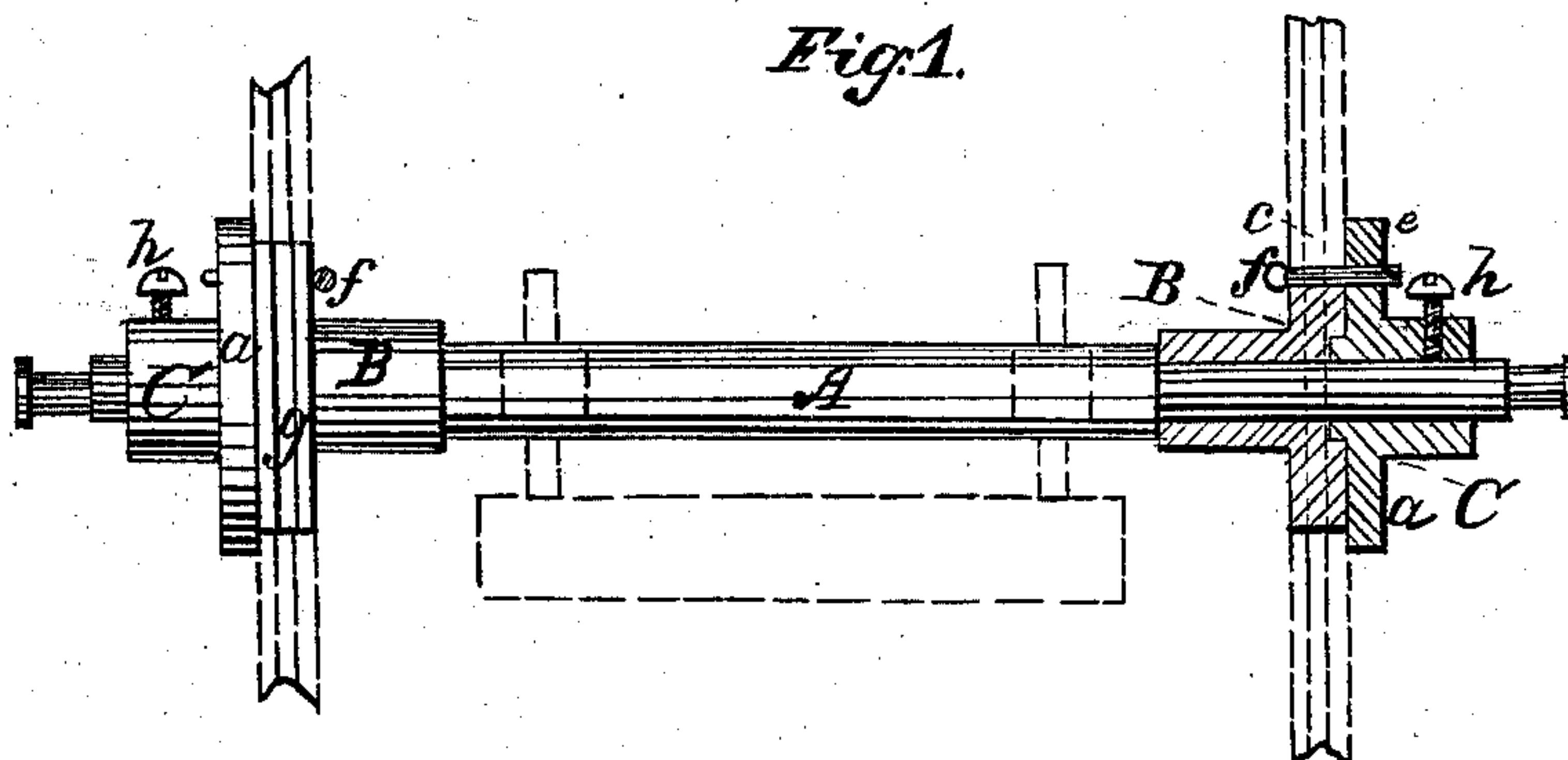


S. RUTSCHMAN.

Meat Chopper.

No. 81,824.

Patented Sept. 8, 1868.



Witnesses:

A. Sellers

Arthur Himmie

Inventor:

S. Rutschman

per Brown & Co. Attys.

United States Patent Office.

SIGMUND RUTSCHMAN, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 81,824, dated September 1, 1868.

IMPROVED MEAT-CHOPPING MACHINE.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, SIGMUND RUTSCHMAN, of the city of Philadelphia, in the county of Philadelphia, and State of Pennsylvania, have invented a new and improved Means of Attaching the Slides to the Cross-Heads which carry the Cutters of Meat-Chopping Machines; 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, forming a part of this specification, in which—

Figure 1 represents a longitudinal view of the cross-head of a meat-chopping machine, exhibiting upon one end an external view of my improvement, and upon the other end a vertical section of the same; and

Figure 2 shows a transverse section of the cross-head, illustrating an inner face view of my improvement—

Similar letters of reference representing corresponding parts in both figures.

In meat-chopping machines, it is necessary to provide for the turning of the cross-head in such manner as to change the cutters from the vertical position in which they operate to a horizontal position, in which they afford facility for the removal of the meat, and in which they can be conveniently sharpened.

Heretofore, this provision has been made by the removal of pins, which, when inserted through the cross-head, and through the sliding boxes, which are attached to the cross-head for the purpose of working in the upright guides of the machine, holes provided in the cross-head for these pins injuriously weakened it, and the object of the invention is to make a more effective provision for the turning of the cross-head in the sliding boxes; and to this end, the invention consists in securing the cross-head in the sliding boxes in such manner as to prevent it from turning until it is desired to do so, by means of flanges permanently and rigidly attached to the cross-head, and pins inserted, in a direction parallel with the cross-head, through the boxes and through the said flanges.

In order that others may be better enabled to understand the construction and operation of my invention, I will proceed to describe it with reference to the drawings.

A is the cross-head to a meat-chopping machine; B B are the sliding boxes; *a a*, the flanges, which are provided with hubs, C C, for the more effectual attachment of the same to the cross-head A, which may be done by means of set-screws, *h h*, or any other suitable security. *f f* are pins, passing through openings *c* and *e* on the sliding boxes B and flanges *a*, for the purpose of locking the cross-head A, and preventing it from turning while the machine is in operation. Said pins *f f* are relieved of a portion of the strain to which the action of the machine subjects them by means of a shoulder-like projection on the inner face of the flange *a*, fitting into a corresponding recess in the sliding box B. *e* is an opening in the flange *a*, into which the pin *f* passes from the opening, *c*, in the sliding box B, when it is desired to lock the cross-head A at right angles with its natural position, for the purpose of removing the meat, or for any other purpose, an illustration of which is represented in red outlines in fig. 2.

The operation of this invention is performed by withdrawing the pins *f f* from the openings *e e*, and giving the cross-head A a quarter turn, when the pins *f f* are inserted into the openings or holes *e e*.

By means of this invention, the drilling of holes through the centre of the cross-head A is obviated, thereby giving to the said cross-head more strength, and the locking-pins *f f*, being located further from the centre of oscillation, do not yield to the knives so much play, to the same amount of wear, as by the means now used.

What I claim as my invention, and desire to have secured by Letters Patent, is—

The combination, with the cross-head and sliding boxes of a meat-chopping machine, of flanges *a a*, permanently secured to the cross-head, and of the pins *f f*, inserted through the said flanges and the sliding boxes, substantially as and for the purpose herein specified.

SIGMUND RUTSCHMAN.

Witnesses:

W. MERTZ,

G. FENKLIMER,

WM. R. HEINS.