

A. Stevens,

Seam Puttying Machine.

Nº 93,365.

Patented Aug. 3, 1869.

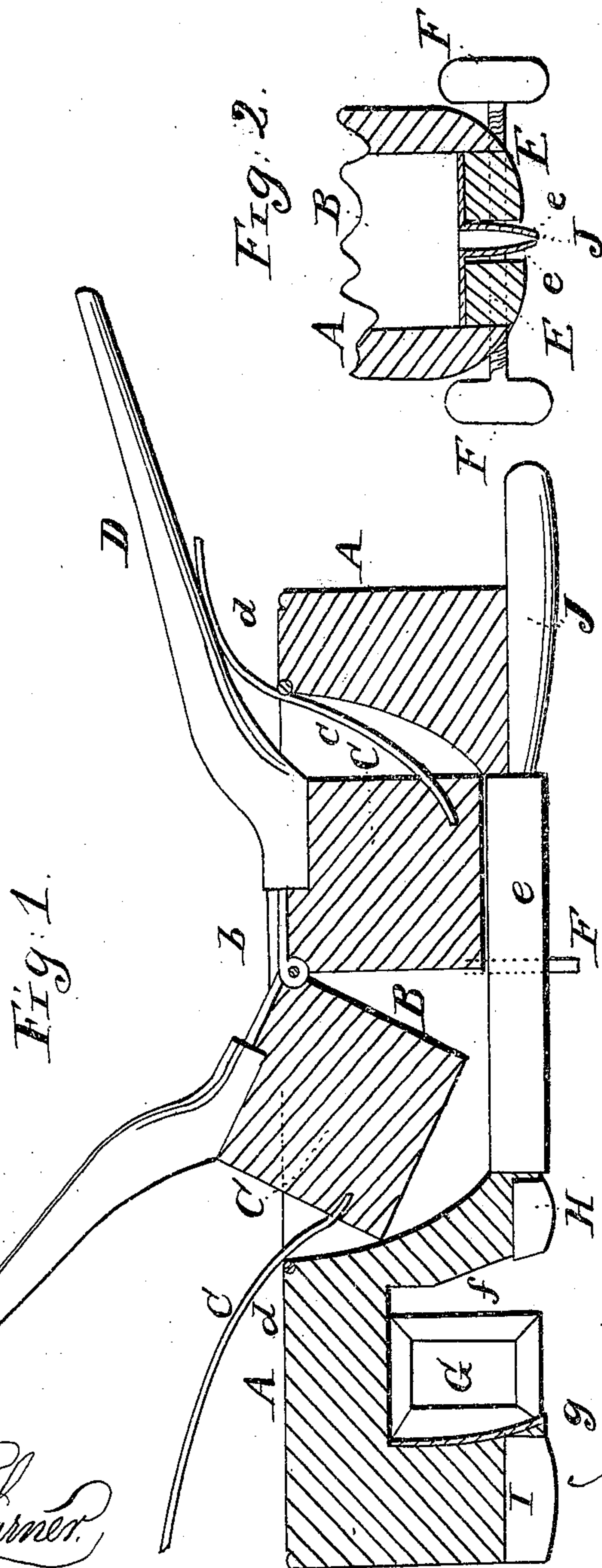


Fig. 1.

Fig. 2.

Witnesses:

Phil F. Turner.
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United States Patent Office.

ALFRED STEVENS, OF GEORGETOWN, ASSIGNOR TO JOSIAH STARLING, OF MANHEIGAN, MAINE.

Letters Patent No. 93,365, dated August 3, 1869.

IMPROVED SEAM-PUTTYING 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, ALFRED STEVENS, of Georgetown, in the county of Sagadahoc, and State of Maine, have invented a new and useful Seam-Puttying Machine; and I do hereby declare the following to be a full, clear, and exact description of the same, sufficient to enable others skilled in the art to which my invention appertains, to make and use the same, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figure 1 is a longitudinal vertical section of the device, illustrating my invention, and

Figure 2, a transverse section of the same.

The object of my invention is to produce a device by which the seams of vessels may be filled with putty, and the entrance of water prevented. To that end—

It consists in providing a frame, with a recess for the reception of the putty, which is forced, by means of presser-blocks, through an opening in the bottom of the frame, and between metallic plates attached to blocks secured to the bottom of said frame, into the seams of the vessel.

It also consists in providing the frame with eveners, a scraper, a gauge, and a refuse-box, for catching the pieces of putty as they are scraped from the seam

In the drawings—

A represents the frame, which may be constructed of wood or metal, cast in one piece, (but I prefer the former,) and provided with a recess, B, for the reception of the putty.

C C represent presser-blocks, placed within the recess B, and connected by means of a hinge, *a*, through which is run a rod, *b*, for holding the blocks in position, having its bearings in the upper part of the frame A.

The blocks C C are operated by means of levers D D, which are secured to the upper ends of said blocks in any suitable manner.

In order to assist in the easy working of the blocks C C, I attach to their sides, near the bottom, flat metallic springs *c c*, which, as the blocks are pressed down, move upon metallic rods *d d*, attached to the frame A, at the upper corners of the recess B, thereby causing the easy return of the blocks after they have descended upon the putty.

To the lower part of the frame A, and at the bottom of the recess B, I secure blocks E E, of such a size as to leave a space between. To these blocks metallic plates *e e*, through which the putty passes, are attached.

The width of the space between these plates may

be regulated by means of set-screws F F, which enter from the sides of the frame A, and passing through the blocks E E, press against the plates *e e*.

A portion of the frame A is cut away, forming a recess, as at *f*.

To the side of the frame, where this recess is formed, a metallic refuse-box, G, and a scraper, *g*, are attached.

H I represent two smoothers, and J a gauge, all of which may be constructed of wood or metal, secured to the under side of the frame A, and in a straight line with the plates *e e*, all for a purpose to be hereinafter explained.

Having described the construction of my seam-puttying machine, I will now proceed to describe its operation.

When it is desired to fill the seams of a vessel with putty, the machine is first held in the hands by the levers D D, and applied to the seam by placing the gauge J and plates *e e* therein.

It is then moved steadily along the seam, at the same time pressing upon the levers D D, when it will be found that the pressers C C will force the putty, previously introduced, down through the space between the blocks E E, into the seam below.

The plates *e e*, being flexible, will expand to all the irregularities of the seam, and fill every part thereof with putty.

The smoother H will harden the putty into the seam, while the scraper *g* will scrape off all that remains on the outside, the pieces, in the meantime, falling into the refuse-box G, and the smoother I will finish off the operation by making the putty smooth and even in the seam.

The gauge J serves the purpose of clearing dirt and all other obstacles from the seam.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

1. The presser-blocks C C, and adjustable plates *e e*, in combination with a frame or block, A, having a recess for holding the putty, all constructed and arranged to operate substantially as herein described.

2. A seam-puttying machine, composed of the frame A, having a recess, B, the presser-blocks C C, their levers D D, and springs *c c*, the blocks E E, and plates *e e*, the gauge J, the refuse-box G, the scraper *g*, and smoothers H I, combined, when arranged as set forth.

ALFRED STEVENS.

Witnesses:

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