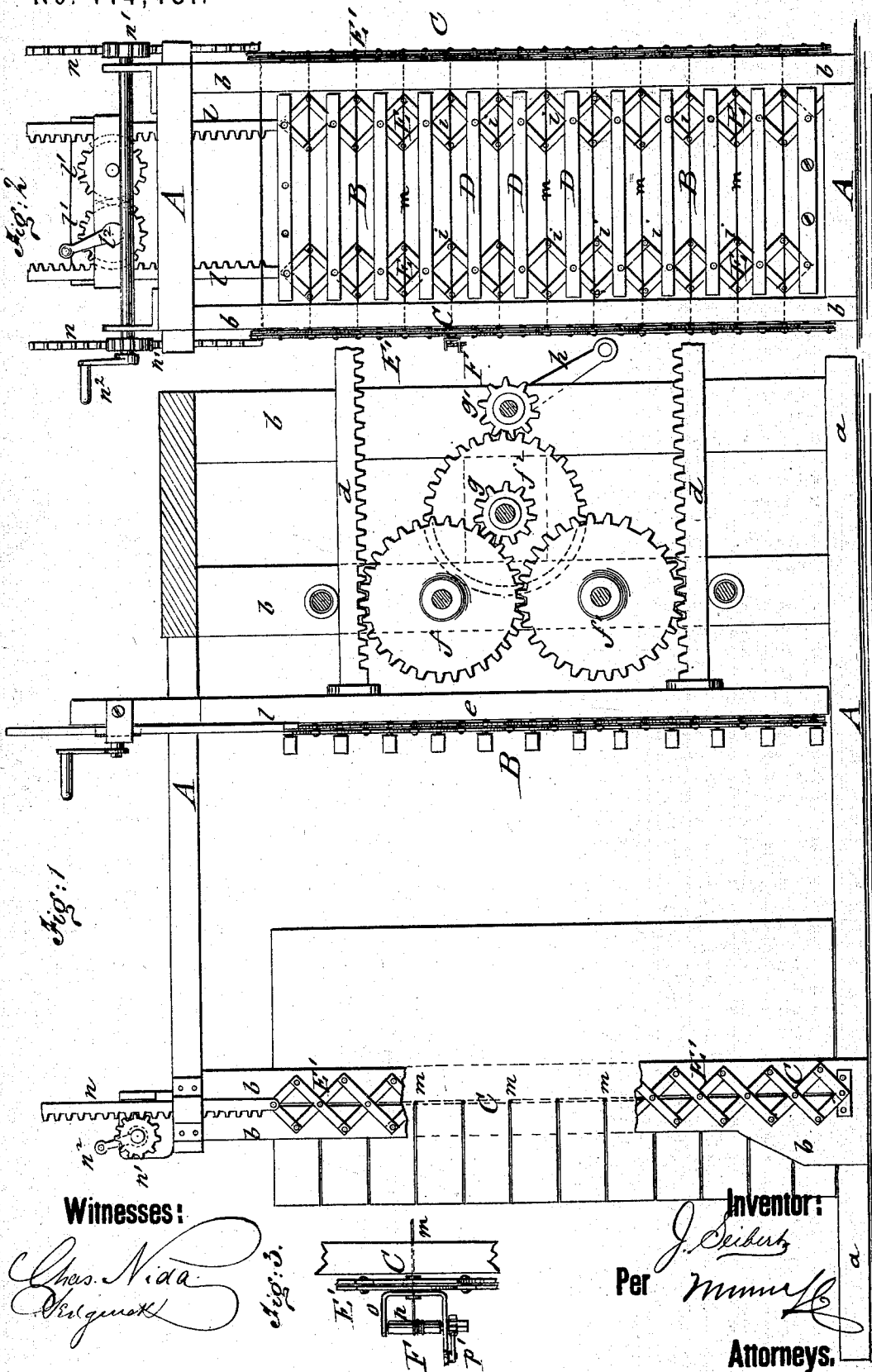


J. SEIBERT.
Soap Cutting-Machines.

No. 144,481.

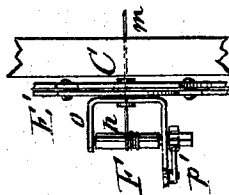
Patented Nov. 11, 1873.



Witnesses:

Chas. Nida
Volgenant

Fig. 2.



Inventor:

Per

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Attorneys.

UNITED STATES PATENT OFFICE.

JOSEPH SEIBERT, OF NEW YORK, N. Y.

IMPROVEMENT IN SOAP-CUTTING MACHINES.

Specification forming part of Letters Patent No. **144,481**, dated November 11, 1873; application filed October 4, 1873.

To all whom it may concern:

Be it known that I, JOSEPH SEIBERT, of the city, county, and State of New York, have invented a new and Improved Soap-Cutting Machine, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a sectional side elevation of my improved soap-cutting machine. Fig. 2 is an end view of the same, and Fig. 3 is a detail side view of the wire-stretching device.

Similar letters of reference indicate corresponding parts.

The object of my invention is to furnish to soap-factories and dealers in soap an improved machine for cutting the soap-blocks into pieces of any required size in a cheap and rapid manner. My invention consists of a feeding-frame provided with adjustable block-carriers for forcing the soap against a suitable cutting-frame, on which the cutting-wires are rigidly applied by a simple stretching device.

In the drawing, A represents the main frame of the block-cutting machine, which is produced of a strong base piece, *a*, on which the soap-blocks are placed for cutting, and strong uprights *b* which sustain the feeding-frame B and the cutting-frame C. The feeding-frame B is moved forward by horizontal toothed bars *d*, which are firmly applied to the rear of main piece *e* of feeding-frame B. The toothed bars or racks *d* are set in motion by the intermeshing cog-wheels *f f'*¹ *f*², pinions *g g'*, and crank *h*, and carry thus the main piece *e* forward. The front part of the main piece *e* is provided with laterally-extending parallel strips D, the lowermost of which is permanently connected to piece *e*, while the upper ones are attached at both ends to the adjustable frames E, which are made of flat metallic band strips *i*, and placed between strips D and main piece *e*. The short bands *i* are arranged crosswise, and pivoted at their intersection to strips D, and at their ends to each other, forming thus a series of parallelograms, which may be extended and depressed, carrying thus the strips D further from or nearer to each other. The upper ends of frame E are connected to vertical racks *l*, which are raised or lowered by means of cog-wheels *l'* and crank *l''*, as indicated in Fig. 2.

The cutting-frame C is made of a system of wires, *m*, which are guided and stretched between the adjoining uprights, and applied to the intersections of adjustable frames E', in similar manner as straps D. Frames E' are attached to the outer side of uprights *b*, their lower ends being firmly connected thereto, while their upper ends are applied to racks *n*, which are hoisted and lowered, in similar manner as frames E, by cog-wheels *n* and crank *n'*.

The wires are passed through small holes at the intersection of the frame strips, and held at one side by means of cross-pins or other suitable device, and at the other side by the stretching device F, which is placed at the end of each wire *m*. The stretching device F consists of a supporting piece, *o*, which carries the crank-shaft *p*. The wire is wound up on the shaft *p* by turning it with a key or small crank, and retained in stretched position by a ratchet and pawl, *p'*.

The wires are adjusted in such a manner that they cut centrally between the strips D, both wires and strips being adjusted to the required thickness of the pieces into which the soap-blocks are to be cut.

The blocks are thus rapidly and easily cut into smaller pieces of any desired size.

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

1. The block-feeding device, formed of the horizontal strips D and lazy-tong frames E, the latter having a suitable adjusting apparatus, all applied or attached to a plate or frame, *e*, which is adjusted relatively to the block-cutting frame by suitable apparatus, as shown and described.

2. The block-cutting apparatus formed of wires *m* and lazy-tongs E' E', the former being stretched between the latter, which are adjusted by suitable means, all applied to a frame, *b*, as shown and described, to operate as specified.

JOSEPH SEIBERT.

Witnesses:

PAUL GOEPEL,
T. B. MOSHER.