

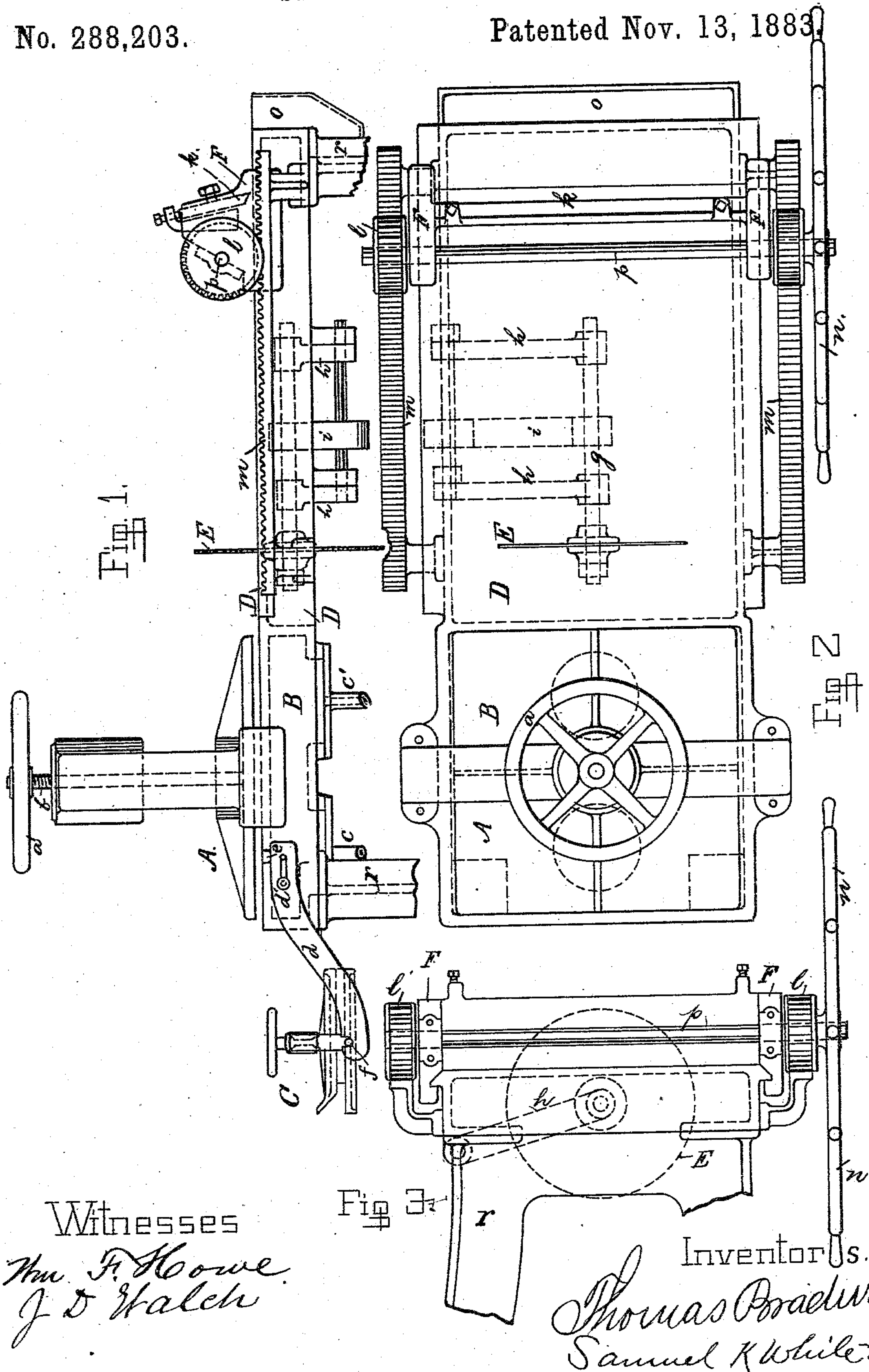
(No Model.)

T. BRADWELL & S. K. WHITE.

STEREOTYPING OUTFIT.

No. 288,203.

Patented Nov. 13, 1883.



Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS BRADWELL AND SAMUEL K. WHITE, OF CHICAGO, ILLINOIS.

STEREOTYPING OUTFIT.

SPECIFICATION forming part of Letters Patent No. 288,203, dated November 13, 1883.

Application filed April 9, 1883. (No model.)

To all whom it may concern:

Be it known that we, THOMAS BRADWELL and SAM. K. WHITE, citizens of the United States, residing at Chicago, in the county of Cook and State of Illinois, have jointly invented new and useful Improvements in Stereotyping Outfits, of which the following is a specification.

Our invention relates to improvements in stereotyping outfits, in which we combine the operations of casting, sawing, shaving, and drying in one machine. We accomplish this by the mechanism shown in the accompanying drawings, in which—

Figure 1 is a side elevation, with large hand-wheel *n* detached from shaft *p* and legs *r r* broken off. Fig. 2 is a plan view; and Fig. 3 is an end view, the press-arch not shown for want of room.

The long table *D* is supported by legs *r r*. (Not fully shown for want of room.) The left end of this table is hollow, having steam-pipes *c c'* leading to the cavity, and is known as the "steam-table" or "steam-box," *B*. Directly over this steam-box is the press *A*, operated by the wheel *a*. In the central part of the table is the saw *E*, which can be lowered at pleasure below the table-surface by the swinging arms *h h*, leaving the table-surface clear for other use. The saw *E* is raised and lowered into use by a lever formed by the continuation of one of the swinging arms *h*, and this lever is held in the desired positions by a set-screw having a convenient hand-wheel to turn it, thereby holding the lever and saw at will. The shaving-knife *k* is attached to two traveling heads, *F F*, which carry shaft *p*, and in turn pinions *l l* and hand-wheel *n*. The racks

m m are secured by brackets to the table, and are made to mesh into the pinions *l l*; hence as the operator turns the hand-wheel *n*, the pinions must roll on the rack and carry the shaving-knife *k* back and forth, which is the movement necessary to shave stereotype-plates. The casting-box *C* is journaled at *f* in the adjustable arms *d*, which in turn are sustained by the pin *d'* and lug *e* on the steam-box or press end of the table. These arms can be lowered by pulling them to the left till the slotted end no longer touches the lug *e*. Then it is revolved downward about the pin *d'*. It is evident that several of the machines can be used together, or any one singly, and that the combined operations facilitate stereotyping both in utility and speed. The press and steam-table are generally used first. Directly afterward the stereotype is cast in the casting-box *C*. Then it is put on the table *D* and sawed and shaved. The shavings are rolled up to the right and drop into the box *o*. Most of the parts separately are not claimed or considered new, but the combined operations on one machine are believed to be both new and useful.

We claim—

The combined stereotyping outfit composed and constructed of the main table *D*, having a slot for the saw *E* to be raised into use, a shaving-knife, *F k*, steam-box *B*, press *A*, and casting-box *C*, all arranged as shown and described.

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Witnesses:

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