

F. HLOCH.  
MACHINE FOR PRESSING PASTY MASSES, MORE PARTICULARLY MIXTURES OF ASBESTOS  
AND CEMENT.

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Fig. 1

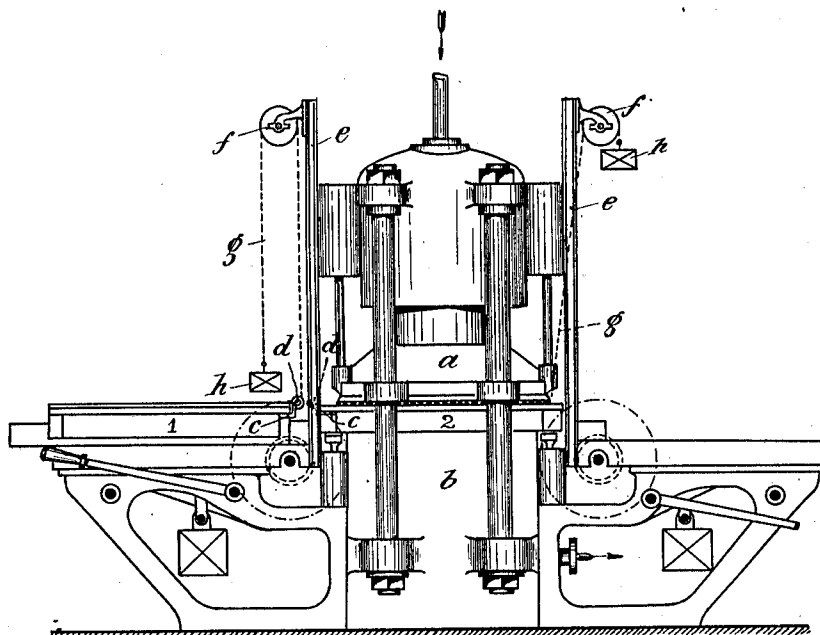
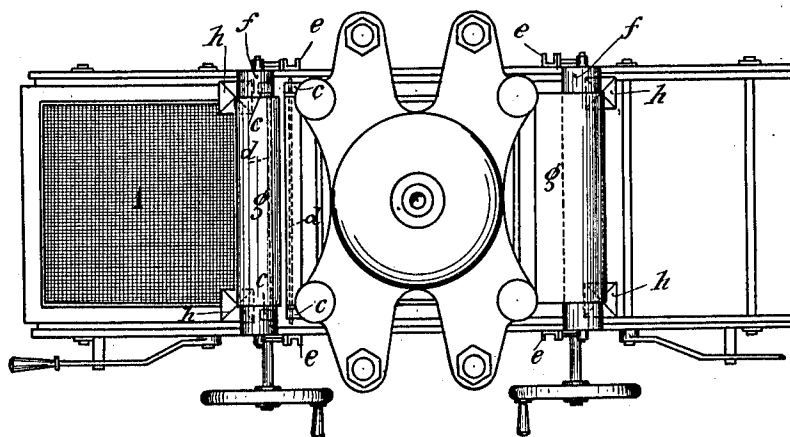


Fig. 2



WITNESSES:

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# UNITED STATES PATENT OFFICE.

FRANZ HLOCH, OF MÄHRISCH-SCHONBERG, AUSTRIA-HUNGARY.

MACHINE FOR PRESSING PASTY MASSES, MORE PARTICULARLY MIXTURES OF ASBESTOS AND CEMENT.

1,021,098.

Specification of Letters Patent.

Patented Mar. 26, 1912.

Application filed December 2, 1911. Serial No. 663,509.

*To all whom it may concern:*

Be it known that I, FRANZ HLOCH, subject of the Emperor of Austria-Hungary, residing at Mährisch-Schonberg, Moravia, in the Empire of Austria-Hungary, have invented certain new and useful Improvements in Machines for Pressing Pasty Masses, More Particularly Mixtures of Asbestos and Cement, of which the following is a specification.

This invention relates to a machine for pressing pasty masses, and more particularly mixtures of asbestos and cement, in movable molds, and consists essentially in an arrangement which automatically lays the press cloth (which as a rule consists of a sheet of felt and forms the tight joint between the mold and the plunger of the press) on the desired place before the pressure of the press is applied, and automatically removes the cloth from the mold after the mold has been moved out of the press. An example of construction of this arrangement is shown in the accompanying drawings, in which:—

Figure 1 is a side view; and Fig. 2, a plan view.

The press consists of a lower part *b* having two removable sides, and a hydraulically operated press plate or die *a*. The molds 1 and 2 are so arranged that their inner part rests on the lower part *b* of the press, while the outer frame of the mold is pressed by the press plate *a* in known manner against hydraulic supporting pistons. The press cloth (felt sheet) *g* forms a tight joint between the press plate *a* and the outer frame of the molds 1 and 2.

Now in order automatically to bring the press cloth into the desired positions, one end of it is attached to one side of the outer frame of the mold, for instance to a cross bar *d*, which is mounted in the arms *c*. The press cloth *g* is carried over rollers *f* which are mounted in uprights *e* attached to the press and is loaded at its ends by means of weights *h*. When, for instance, the mold 2 with the finished pressed block is pushed out of the press, the weight *h* effects the un-

covering of the mold (see position of the cloth on the left hand side.) On the mold 1 being pushed under the press plate or die *a* on the other hand, the outer edge of the press plate lying at the side at which the mold is inserted, forms a scraper along which the cloth *g* is moved under the press plate and thus produces the tight joint.

I declare that what I claim is:—

1. In a machine for pressing pasty masses, more particularly mixtures of asbestos and cement, the combination with movable molds and a plunger for effecting the pressing, of a press-cloth forming a tight joint between the mold and plunger, means for fixing the press-cloth at one of its ends to the inner edge of the mold which is pushed beneath the plunger, and means for subjecting the other end of the press-cloth to a constant traction, whereby the removal of the press-cloth from the mold is automatically effected when the latter is moved out of the press.

2. In a machine for pressing pasty masses, and more particularly mixtures of asbestos and cement, the combination with movable molds and a press-plunger of a press-cloth forming a tight joint between the mold and plunger, a crossbar on the mold to which one edge of the press-cloth is fixed, and means for subjecting the free end of the press-cloth to a constant traction.

3. A machine for pressing pasty masses and more particularly mixtures of asbestos and cement, comprising, in combination, movable molds, a press-plunger, a press-cloth to form a tight joint between the mold and plunger, a crossbar on the mold to which the inner edge of the press-cloth is attached, a roller over which the free end of the press-cloth is carried, and weights for loading the said free end.

In witness whereof, I have hereunto signed my name this 14th day of Nov. 1911, in the presence of two subscribing witnesses.

FRANZ HLOCH.

Witnesses:

LOUISE TROTTER,  
AUGUST FUGGER.