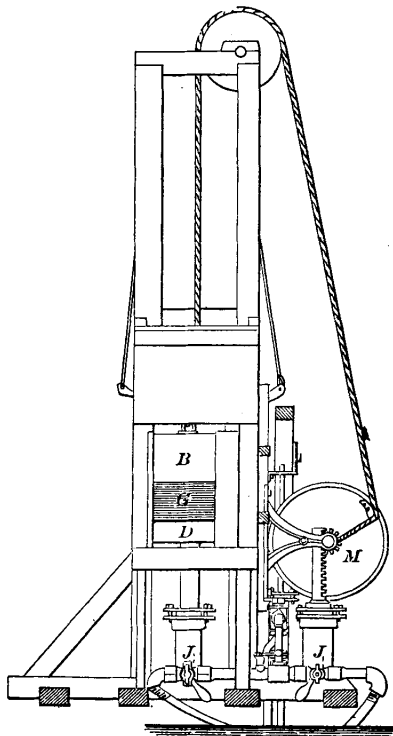


Hydro-static Baling-press. One in which the force of water under pressure is made to compress the fibrous material to be baled.

In the example shown, the beater *B* is first operated, and, when the process has gone to a certain extent, the beater is made stationary, and the follower *D* raised. Both operations are effected by hydraulic

Fig. 2625.



Hydrostatic Baling-Press.

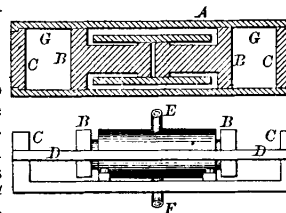
operation. The suspension rope of the beater winds on the wheel *M*, which is rotated by pinion and rack, the latter being depressed by a piston in cylin-

der *J*. The rope is tripped off the wheel from time to time, automatically, allowing the weight *B* to fall, and again and again re-winds and slips off. At the proper time the cock is turned and the water turned on to the other cylinder *J*, beneath the follower *D*, and the latter is raised by the pressure of water beneath the piston in said cylinder. *G* represents the material under pressure.

In Fig. 2626 the motive-power is water under pressure. The cylinder *A* is open at both ends,

has two ports, *E* and *F*, at the center, to receive and discharge respectively the water from the pump or head. There are two rams *B* in cylinder *A*, working in opposite directions toward heads *C*. *G* is the space for the material to be pressed. *D* are connecting-rods, connecting the heads *C* together to resist the strain of the rams *B*, and forming guides for the rams.

Fig. 2626.



Hydrostatic Baling-Press.