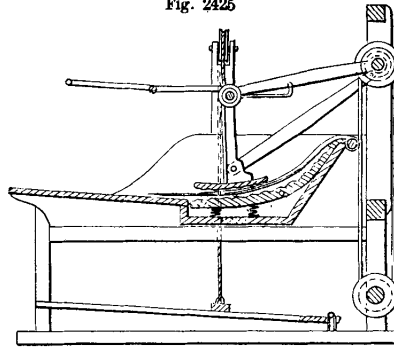


**Hat-body Sizing-machine.** Sizing is a term synonymous with *hat-shrinking* and *hat-planking*. For hand process see HATTER'S BATTERY.

An operation for shrinking or reducing the hat-body to the proper size and form for making the finished hat. The apparatus consists of an elastic bed in a trough containing hot water, and a semicircular rocker, by which a kneading operation is performed on the body.

The elastic support of the corrugated bed sustains the lower end of the latter above the surface of the

Fig. 2425

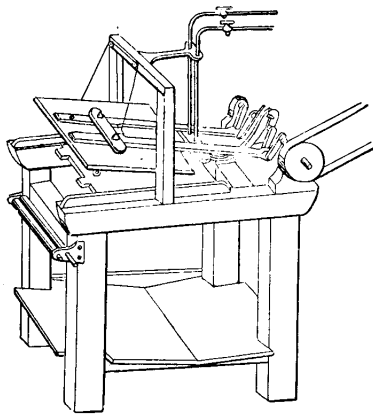


*Hat-Body Sizing-Machine.*

liquid, so that the roll of hats may be adjusted upon the bed without exposing the hands to the hot water. The handle, pivotal shaft, and impelling springs enable the machine to be operated by hand.

In Fig. 2426, the table has a simple horizontal reciprocation, and the platen an oscillating as well as a reciprocating motion, being rigidly attached to the pitmans. Jets of hot water or steam may be applied to the *bat* from pipes which end in a finely perforated box.

Fig. 2426



*Hat-Body Sizing-Machine.*