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Figure 1.

and kuife, as occasion may require, for the duction of counters of any width.
Three sets of feed and pressure rollers, $\mathrm{K}^{\mathbf{K}}{ }^{\prime}$, $\mathrm{L} \mathrm{L}^{\prime}, \mathrm{M} M^{\prime}$, are disposed between the guides, each set being composed of two rollers, one of which is arranged within the table top, so that its upper edge will be a little above it, while the other is disposed entirely above the table top. The leather counter, during its passage through the machine, rests on the lower rollers, $\mathrm{K}^{\prime}, \mathrm{L}^{\prime}, \mathrm{M}^{\prime}$, and is pressed down upon them by
the ${ }_{\wedge}$ rollers, $K, L, M$, the peripheries of each roller being scored or fluted.
The axles of the upper rollers and that of another or smoothing roller, 0 , are disposed in radial lines, all of which tend to the common center of the curves of the inner edges of the two guides. The same may be said in regard to those of the lower rollers. The axles of the upper rollers are sustained in sliding boxes, which are supported so as to have a free vertical movement, and are pressed down by springs,

Figure 2.


The Oyster Crop of Baltimore. According to "The Baltimore American," the product of the oyster trade of the city is equal to or greater than the product of all the wheat and corn raised in the State of Maryland. The whole shores of the Chesapeake Bay and its tributaries are adapted to the growth of the oyster, and as but one year isrequired for their full growth, an immense profit accrues to those engaged in the business-a profit which is estimated at some three hundred to six hundred per cent. There are 250 vessels engaged in
the trip. These vessels, making in the aggregate 6,000 trips during the eight months in which they are engaged, give a total of $4,800,000$ bushels per year sold in the Baltimore market. The oysters bring an average price of 50 cents per bushel, which cives a crand total of $2,400,000$ per year paid for grand total of dealers in the city. Some of the houses send by the Baltimore and Ohio and Baltimore and Susquehanna Railroads, to say nothing of the wher modes of transportation, from eight to the business, which average about 900 bushels shells are carried for manure, to all parts of to the cargo, and require nine or ten days to $\left\lvert\, \begin{aligned} & \text { Virginia and North Carolina. In the shucking }\end{aligned}\right.$

Q ; each of these springs is made to encircle a screw, R, which is formed with a cross-head, S ,
that is made to bear on the top of the two boxes. This screw rod passes down through a rest bar, T , and the spring, receiving a nut, U , upon its end.
The several feed, pressure, draught, and smoothing rollers are made frustro-conical, and derive their motions from the driving shaft, V , which is arranged underneath them, and carries a gear which engages with two connecting gears
that are wide enough to engage each with two others placed upon the axles of the lower rollers. These in turn engage each with others upon the axes of the upper rollers. The last pair of rollers, $00^{\prime}$, is made plain to take out the creases made by the fluted rollers.
This is, we should think, a good machine, and we wouldrecommend it to the attention of boot manufacturers. Any further information can be obtained as above, or a machine can be seen at No. 12 Beaver street, in that city.
of oysters, the shells will increase about onefourth, which would give a total of about 6,000 , 000 bushels of shells, which sell for two cents per bushel, making a return of $\$ 120,000$ per ear for the shells alone.

## Substitute for Common Brick

I think a substitute for brick, as good and cheap, can be manufactured as follows:-Take a metal mould, first filled with heated gravel, and then pour melted glass into it, and leave it to cool gradually. I think each mould would ot require more glass than is contained in a

## cent each, the blowing of which must cost half

 hat sum. Martin Keenan Milford, Mass. [Not a badidea this.Lord Palmerston has resigned his seat as a member of the British Ministry; he does not seem to possess enough of the democratic principle for Sir John Russel, or Lord Aberdeen, who are men of much finer personal characters.
The Persians have declared war against the Turks, in pursuance of a treaty existing be tween that government and the Czar of Rus
common black bottle. These are sold for a sia.

