factories working twelve vats, two sets of bing rollers will be required. A ground plan mranging these and their accompaniments .s resented by Fig. 3.
little girl, A, opens the bundles of straw, ses then to $B$, who divides them and gives in to the seeder $C$. She places them on the fre table from which they are taken by D, seduly it is to pass the seed end through buffing nachine to separate the chaff. this is a covered cylinder, three feet in diam and five feet in len th, making one hundred thirty revolutions per minute. On its cirlerence are six rovs of wooden teeth, each re inches long, and distant from each other a.half inches at base.
either stra:ghtens the root end by hand, or
puts a loose bundle in the machine for the pur. pose. from which it is takea by F, and bound. 和 The same routine is performed on the opponite side.
If more straw is seeded than is required for steeping, it is re-stacked.

Six tons of straw with the seed on may be done by two sets of rollers per day, at a cost of two shillings and ten pence per ton.

All the seed, chaff, and uncrushed bolls that come from the seeding rollers are passed through a machine, (Fig. 4,) having two seives. The wires in seive $\Lambda$, are about $\frac{8}{10}$ of an inch apart, those in seive $C, \frac{1}{16}$ of an meh.
The flax-seed, chaff, and sand fall through it, upon the shuffle-board $B$, which delivers them to

roogh which all the seed and fine dust fall - The chaff passes over to the floor at $F$. m gives motion to it, causing it to rise and fith a jerk. A horizontal motion is given by the crank-rod $F$, woiked by the $p$, nion Chas a motion similar to A.
Gancrushed bolls separated by the seive A,
are either crushed, or sold to farmers for feeding purposes at one shilling and two pence per bushel. The chaff is worth from two pence to four pence per bushel.

An arrangement is made at E, (Fig. 4,) by - hich elevators raise the seed to the hopper $A$, (Fig. 5.)

lis side vier of the fauners are represent fauge-boards ( $\mathrm{B}, \mathrm{D}_{j}$ ) liaving: horizo -
tal motion from cranks, and tro seives (C, Ey moved by cams. The seive $C$ is made of par 1

