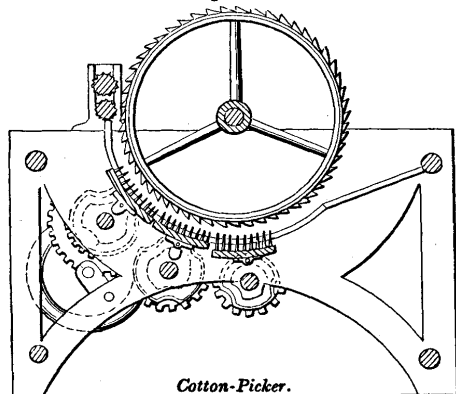


Pick'er. 1. (*Cotton-manufacture.*) A cotton-

Fig. 3694.



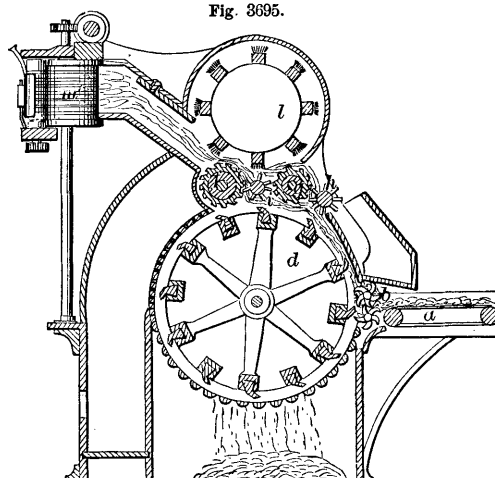
cleaner. A machine for opening the tussocks of bale-cotton, reducing it to a more fleecy condition, and separating from it dirt, burs, and other refuse.

In the machine, Fig. 3694, the cotton is fed in between rollers, caught by the teeth on the revolving drum, and drawn down against the teeth of the comb-plates, which act in succession upon the material, and each is cleaned by the withdrawal of its teeth through openings in a segmental apron partially surrounding the oblique-toothed picking-cylinder.

In Fig. 3695, the cotton or wool is fed into the machine by the endless apron *a* between rollers *b*, and is seized by the teeth of the picker *d*, which revolves in a slatted cylinder whose in-

ends of the levers *F F* in alternation, causing them to pull the straps *G G*, which actuate the picker-blocks *H*.

Fig. 3695.



Cotton Picker and Cleaner.

tervals allow dirt and dust to pass off, the operation being assisted by the centrifugal action of the air, resulting from the rapid rotation of the picker. The fiber is seized by other cylinders *f g*, and delivered from them by the pickers *h i*, which, in turn, are cleared by the brush-blower *l*, which drives the fiber up the spout to the condensing rolls *m'*, which deliver it in a lap.

In another form, the fleecy cotton from the willower is passed between fluted steel rollers, when a *beater* of two steel arms on a rapidly revolving shaft breaks it into fine fleecy masses. These fall on cylindrical sieves of wire, by the rotation of which they are carried in an even web to another series of rollers and beaters. When this process has been repeated several times, the *lap* or web of cotton passes between heavy iron rollers and is wound on a core of wood furnished with journals at the ends. See COTTON-CLEANER.

2. (*Cloth.*) A machine or an implement for *burling* cloth.

3. (*Husbandry.*) A machine for picking cotton from the boll in the field. See COTTON-PICKER.

4. (*Ordnance.*) A priming-wire for clearing the vent.

5. (*Menage.*) An instrument for dislodging a stone from the crease between the frog and the sole of a horse's foot, or between the heel of the shoe and the frog.

6. (*Founding.*) A light steel rod with a very sharp point, used for picking out small, light patterns from the sand.

7. (*Weaving.*) The upper or striking portion of a *picker-staff* which comes against the end of the *shuttle* and impels it through the *shed* of the *warp*. It requires a tough and somewhat resilient material; the former that it may last, the latter that it may not injure the shuttle. Raw-hide is frequently used.

The usual form is a staff sweeping in a vertical plane, and operated opportunely by means of the *lay*, or through gearing, according to the construction of the loom.

In Fig. 3696, the picker-blocks are operated from the lay by a system of rollers and straps. Pulling on the straps raises the