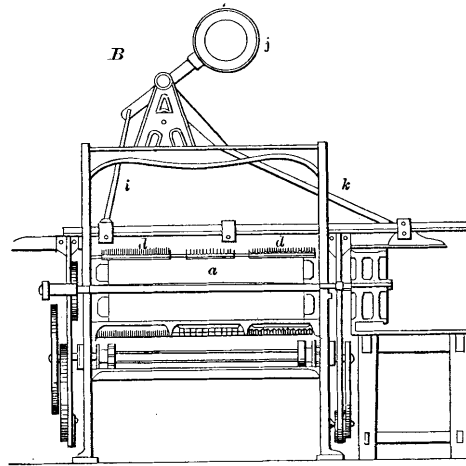
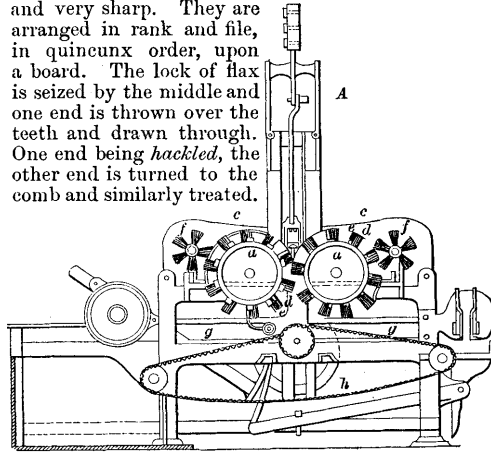


Hack/le; Heck/le; Hatch/el. A board set with sharp steel spikes for combing or pulling out hemp or flax to dispose the fibers in parallelism, and to separate the *tow* and *hards* from the finer fiber.

The teeth are of steel from 1 to 2 inches in length and very sharp. They are arranged in rank and file, in quincunx order, upon a board. The lock of flax is seized by the middle and one end is thrown over the teeth and drawn through. One end being *hackled*, the other end is turned to the comb and similarly treated.

Fig. 2352.



Hackling-Machine.

This separates the ribbons of fiber, removes any remaining traces of the *boon* or cellular matter, and divides the fiber into two portions, the *short* and the *long*, the *tow* and the *line*.

The process is repeated on a fine hackle whose teeth are more numerous and thickly set. The produce is from 40 to 60 per cent of fine flax; *line*.