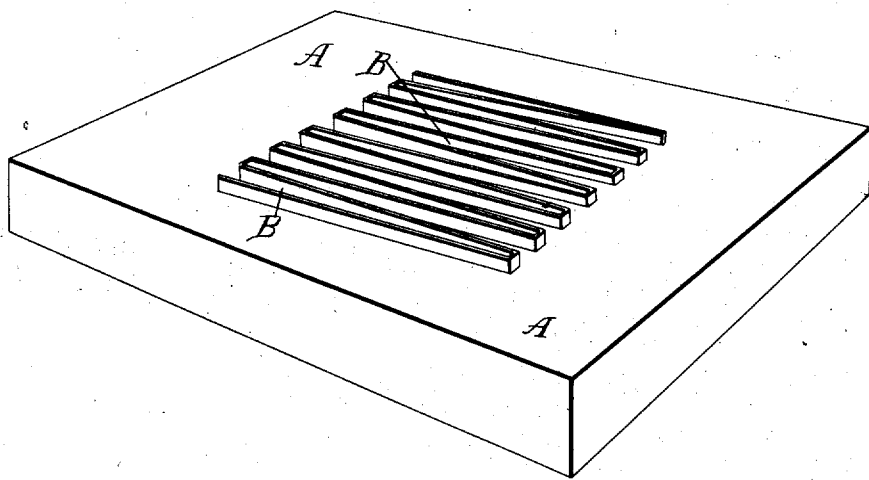


2091X

*J. H. Derby,*  
*Making Combs.*  
*Patented Mar. 26, 1814.*



Joseph Heartwell Derby

March 26, 1844

2091X

## Letters Patent



The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Joseph Heartwell Derby, himself of his machine for cutting combs at a single operation.

The plate or block is usually made of brass or copper into which are inserted thin plates or knives of hardened steel in such manner as to cut the teeth of two combs out of a single plate or piece of horn or shell at one and the same operation. The operation is performed by placing a piece of horn or shell suitably prepared in the machine and the teeth are then cut by a blow being given thereon with a heavy mallet; or the operation may be performed by a press. The piece of horn or shell must be of such dimensions as to form the teeth and the tips or backs of two entire combs, and the teeth of one comb are cut out between the teeth of the other, the tips or backs being left entire and opposite to each other similar to ones placing his fingers between each other, his hands being open and the palm of his hands being considered the tips or backs of the combs, his fingers the teeth. By this method of cutting teeth a saving is made of at least one half of the quantity of stock which would be necessary in the usual method of cutting the teeth with a saw and a great saving is also made in the time spent in cutting.

Witness

Will Perry

John Gardner

Joseph Heartwell Derby

Drawing Made

63  
M