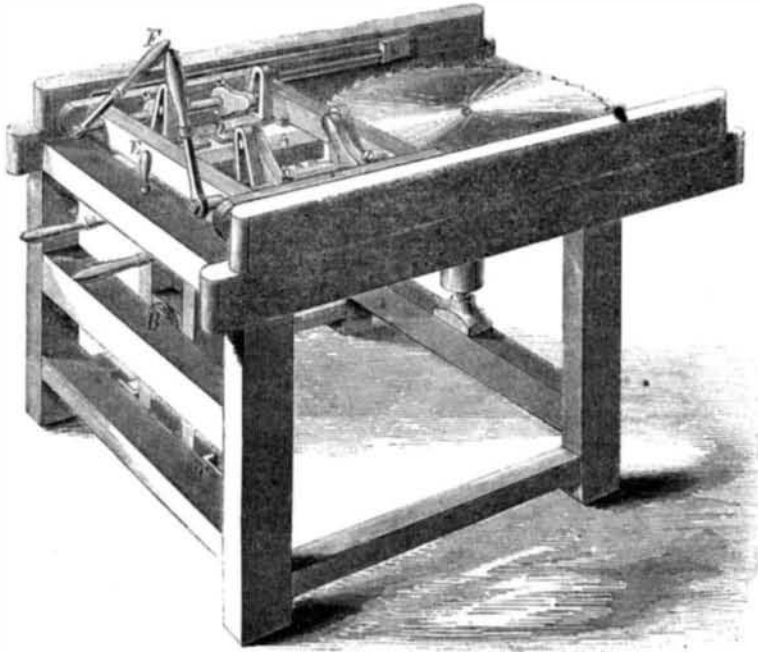


**Improved Shingle Machine.**

This machine is intended to cut shingles and heading, and is highly recommended by parties who have used it. It was awarded the first premium at the New York State Fair, at Utica, in 1863, and at other places also. It is capable of cutting obliquely or otherwise, any desired thickness or length, up to 24 inches. It is safe and durable and not liable to get out of order. As shingles and heading are articles of great demand, the aim and object of the inventor has been to get up a machine that would do the work with the greatest ease, rapidity and in the most perfect manner. The saw runs horizontal, striking the bolt in the side, and cuts with the grain. The car-

riage travels only in proportion to the width of the shingle or heading, making them, when the saw is in proper order, as smooth as though shaved. In operating this machine the bolt is laid on the table, A, which swings on a center, B, and is capable of being inclined at any angle. There are two gages, C, at the bottom, by which the inclination of the table is regulated. The bolt on the table is then caught and held by the dogs, D, attached to the carriage, E, and worked by the levers, F. The carriage and bolt are then moved up against the saw, which rapidly severs the shingle from it. The operation of

receives rapid rotary motion from the gears, E, affixed to the main axle. This rotation causes the hooked teeth to catch up the stones and throw them over on to an apron, F, which is furnished with slats bearing teeth similar to those on the roller. These teeth convey the stones to the hopper, G, behind, from which they are afterward dumped as required. The cord, H, works an ingenious device in the rear for dropping the bottom of the hopper and allowing the stones to fall out, and the height of the shoe from the ground is regulated by the lever, I, so that the

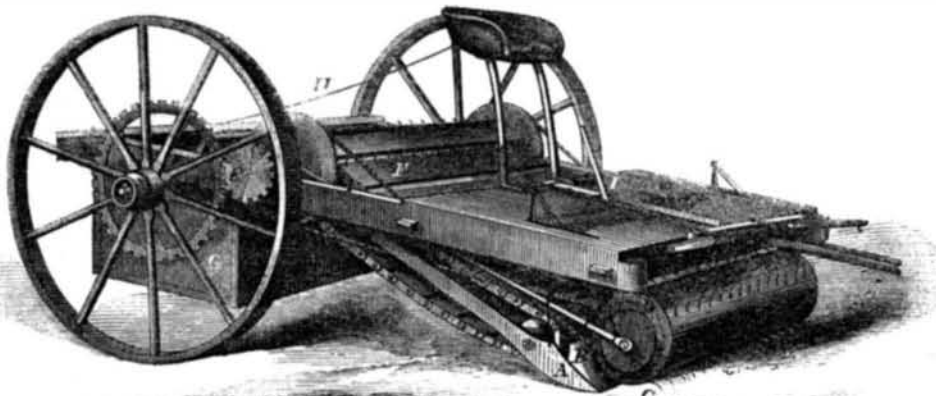
**SMITH'S SHINGLE MACHINE.**

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**STONE-GATHERING MACHINE.**

setting and sawing is repeated continually until the bolt is used up. The alternate action of the table in moving from side to side, taking off each shingle regularly, so that all the bolt is used without loss. It is guaranteed to cut 10,000 shingles a day.

It was patented May 13, 1862, and is manufactured by Wheeler, Melick & Co., New York State Agricultural Works, Albany, N. Y. For machines, or town county or State rights, address Franklin Krum & Co., Albany, N. Y.

**Improved Stone-gathering Machine.**

In some parts of the country stones cover the surface of the ground so thickly that they have to be

machine works as well on rolling land as on a plain. This apparatus can be used for potatoes or other vegetables of similar nature. A great demand for machines of this kind has sprung up lately.

This invention was patented through the Scientific American Patent Agency on April 26, 1865, by J. L. Quimby, of Pleasant Grove, Pa.; for further information address him at that place.

**THE BALTIMORE INDUSTRIAL EXHIBITION.**—The Eighteenth Annual Exhibition of American manufactures, by the Maryland Institute, will be opened on the 2d of October next; for particulars see advertisement on another page.

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