

(No Model.)

W. R. YOUNG.
STONE WORKING MACHINERY.

No. 565,249.

Patented Aug. 4, 1896.

Fig 1

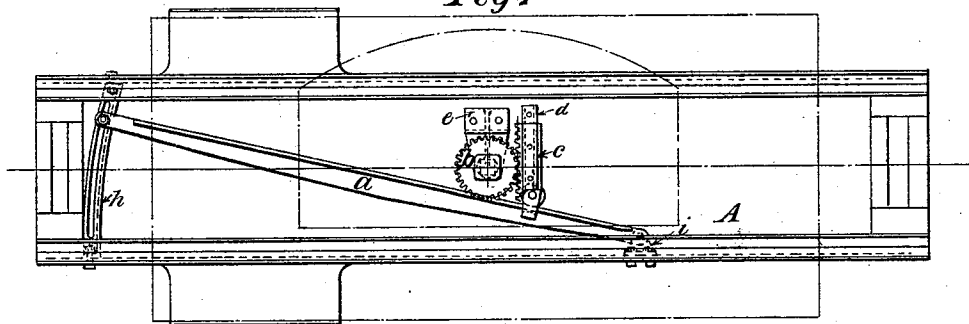


Fig 2

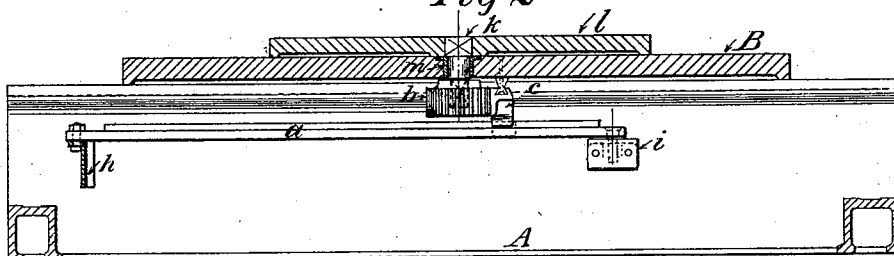
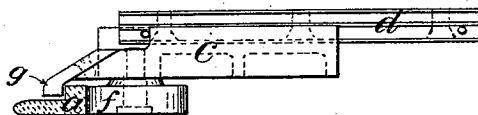


Fig 3



WITNESSES:

J. Gilman
Philip Lauman

INVENTOR

W. R. Young

UNITED STATES PATENT OFFICE.

WILLIAM R. YOUNG, OF BROOKLYN, NEW YORK.

STONE-WORKING MACHINERY.

SPECIFICATION forming part of Letters Patent No. 565,249, dated August 4, 1896.

Application filed December 6, 1895. Serial No. 571,842. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM RUSSELL YOUNG, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Attachment to a Stone-Planing Machine, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved attachment to a stone planer or planing machine whereby stone or other material can be planed to any desired radius.

The invention consists in the construction and arrangements of various parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of my improved attachment-planer platen and attachment-platen shown in faint dot and dash lines. Fig. 2 is a side elevation of the same, planer bed and platen shown in section. Fig. 3 is a back view of rack and guides.

On a suitably-constructed frame A are bolted two brackets *i* and *h*, a guide-bar *a* being pivoted on bracket *i* at one end and free to move to any desired part of a slot in bracket *h* at the other end, where it is made fast by a bolt passing through guide-bar *a* and bracket *h* at the desired angle. On a guide *d*, bolted to platen B of planer, slides

a rack *c*, with a roller-guide *f* and a slipper-guide *g* attached to guide-bar *a*, as shown in Fig. 3. Meshing into rack *c* is a pinion *b*, supported by a bracket *e* and connected to shaft *k* in a suitable manner. Shaft *k* fits into attachment-platen *l*, has a bearing *m* in planer-platen B, and fits into pinion *b*.

The operation is as follows: When guide-bar *a* is made fast at desired angle, the planer is started and guide-bar *a* causes rack *c* to move back by roller *f* running on inclined plane and causing pinion *b*, which is meshed in it, to revolve, carrying shaft *k* and attachment-platen *l* with it, guide *g* on rack pulling parts back to their original position at return of planer to commencement of new stroke.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

The combination of the frame A, brackets *i* and *h*, the guide-bar *a*, pivoted to and adjusted on said brackets, rack *c*, operated by said guide-bar, pinion *b*, meshing into rack *c*, shaft *k*, platen *l*, and platen B, in which shaft *k*, has its bearing; substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 4th day of December, 1895.

WM. R. YOUNG.

Witnesses:

J. GILMOUR,
PHILIP LESERMAN.