

THE
REPERTORY *of patent inventions*
OF
ARTS, MANUFACTURES,
AND
AGRICULTURE.

Consisting of
ORIGINAL COMMUNICATIONS,
SPECIFICATIONS OF PATENT INVENTIONS,
PRACTICAL AND INTERESTING PAPERS,

SELECTED FROM
THE PHILOSOPHICAL TRANSACTIONS AND
SCIENTIFIC JOURNALS OF ALL NATIONS.

MONTHLY INTELLIGENCE

RELATING TO

THE USEFUL ARTS,
PROCEEDINGS OF LEARNED SOCIETIES,

AND

NOTICES OF ALL PATENTS GRANTED FOR INVENTIONS.

VOLUME VIII.—SECOND SERIES.

London :

PRINTED FOR J. WYATT,
REPERTORY - OFFICE, HATTON - GARDEN.

1806.



case. And as each frame is charged by sliding them alternately in contrary directions, or one up and the other down, the whole house may be filled to a much greater amount of paper in the same space than can be done in the usual manner.

In witness whereof, &c.

Specification of the Patent granted to Sir GEORGE WRIGHT, of Ray Lodge, in the County of Essex, Baronet; for an Instrument or Machine for cutting out of solid Stone, Wood, or other Materials, Pillars, or Tubes, either cylindrical or conical, with great Saving of Labour and Materials. Dated March 30, 1805.

With a Plate.

TO all to whom these presents shall come, &c. NOW KNOW YE, that in compliance with the said proviso, and in pursuance of the said statute, I the said Sir George Wright do hereby declare, that my said invention, of an instrument or machine for cutting out of solid stone, wood, or other materials, pillars or tubes, either cylindrical or conical, with great saving of labour and materials, is described and ascertained in manner and form following; that is to say: The invention, and end of the invention, which is the object of this patent, is to form or cut stone, wood, or other materials, into divers tubes or columns of various diameters, and various other circular work, without the labour and expense of chipping or hollowing, and also by means thereof to form pipes, cisterns, cantilivers, chimney-tops, arches, arches for sewers, Gothic-work, semi-circles, ovals, connection of circles or ovals with inverted curvatures, and all other circular-work. This invention is the application of a saw or saws, or other instruments, in a hole or holes

previously drilled in the stone, wood, or other materials, for that purpose, or of saws or instruments for sawing, working, or cutting, from a centre or centres, or in a tangent, of any given circle or oval.

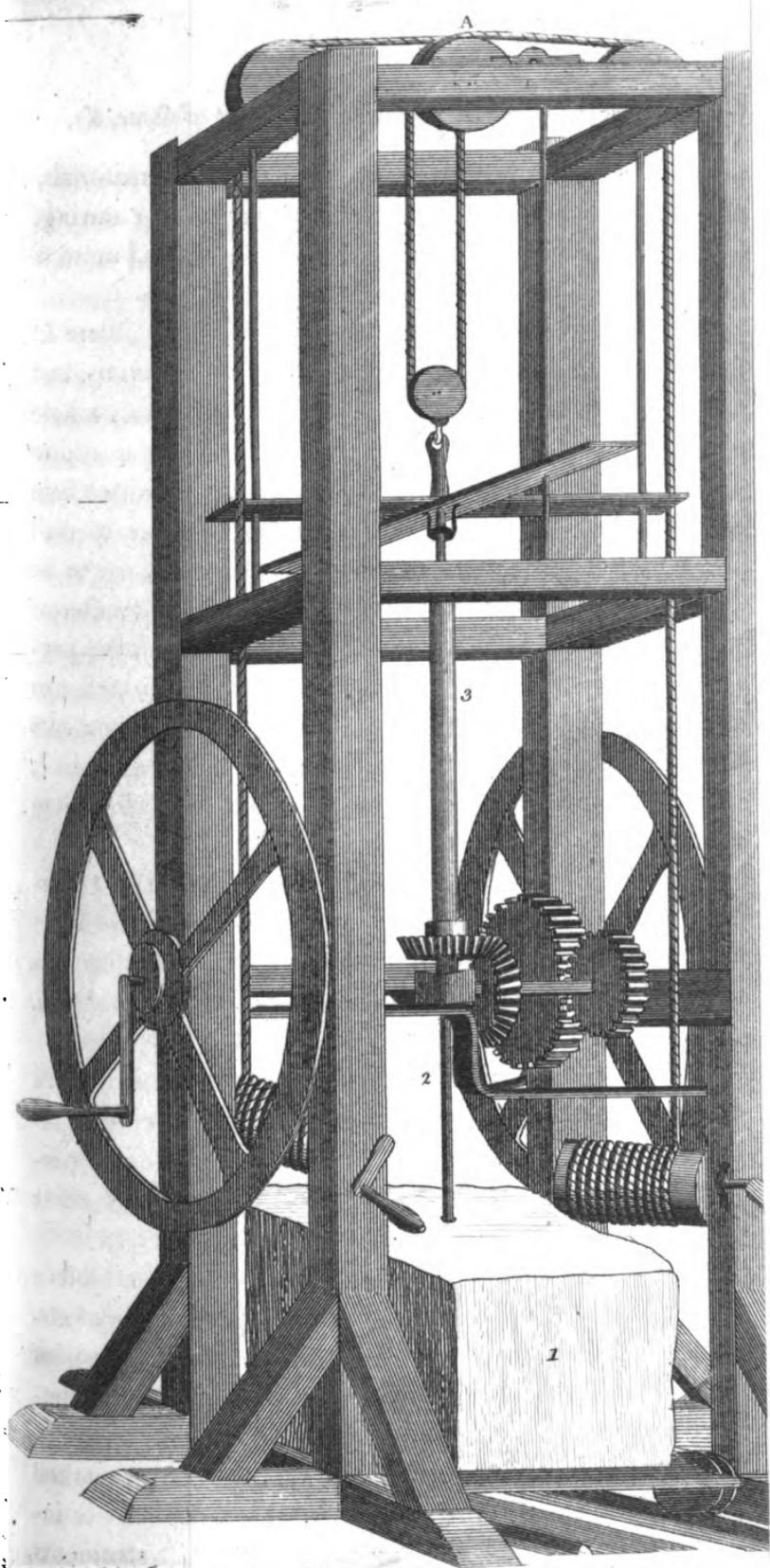
The plan or plate in the margin marked A, (Plate I.) exhibits a block of stone, wood, or other materials, and drill for drilling holes therein. In the first place, a hole or holes is or are drilled through the block, for a centre or for centres, whence the saw is to work, and which hole or holes may be drilled by any other species of drill whatsoever; and other holes, in like manner, are to be drilled at given distances, according to the diameter of the tubes or columns, or other work required to be performed: which holes are to be perforated preparatory to the use or application of the saw, saws, or instruments hereafter described. No. 1, the stone. 3, the shaft, through which the drill 2 runs, having at the same time a rotary and perpendicular motion.

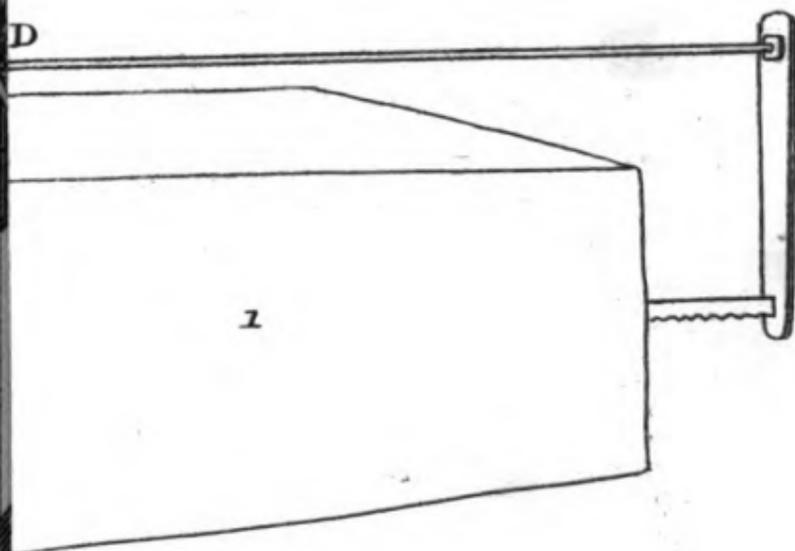
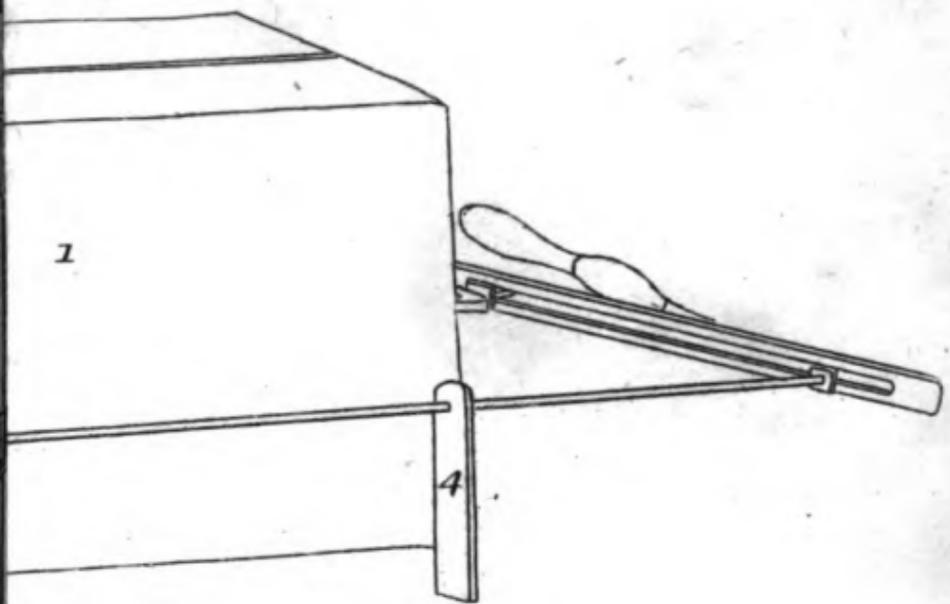
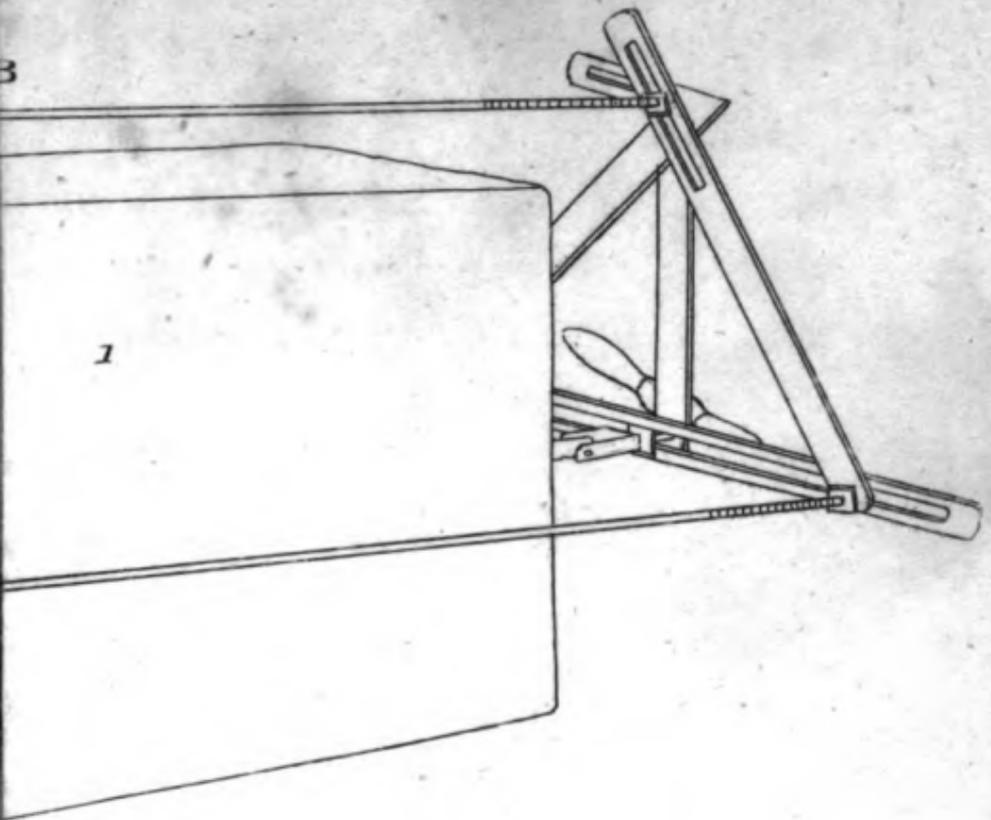
The plans or plates in the margin marked B C D exhibit saws or instruments for working in stone, wood, or other materials, acting on the principle of working in a hole or holes previously drilled therein. No. 1, the stones. 2, the saws.

The plan or plate in the margin marked B exhibits a saw or instrument applied to form the tube or column required, and the manner in which the same acts or performs the work. No. 3, the centre spindle. 4, 4, other cuts.

The plan or plate in the margin marked C exhibits a saw or instrument, by which connective segments of circles are formed from centres, which are out of a block of stone, wood, or other materials. Nos. 3, 3, 3, the connective circles. 4, 4, the moveable centres.

The aforesaid plans or plates in the margin marked B C exhibit two of the modes by which the saws or instruments





struments are connected, with their centres acting on one and the same principle, though the assistance of the drill is not required in the plan or plate in the margin marked C.

The plan or plate in the margin marked D exhibits a saw or instrument, acting between circles or grooves fixed at each end of a block of stone, wood, or other materials, without any direct connection with the centre, or drilling any centre hole. No. 3, the rims through which the saw moves.

The plans or plates in the margin exhibit some of the modes, ways, or means, by which this invention may be carried into effect; but other instruments may be made, or employed, or used, to the same effect, and on the same principles.

In witness whereof, &c.