

J. L. Brown,
Cutting Shingles.
N^o 16,964. *Patented Apr. 7, 1857.*

Fig: 1.

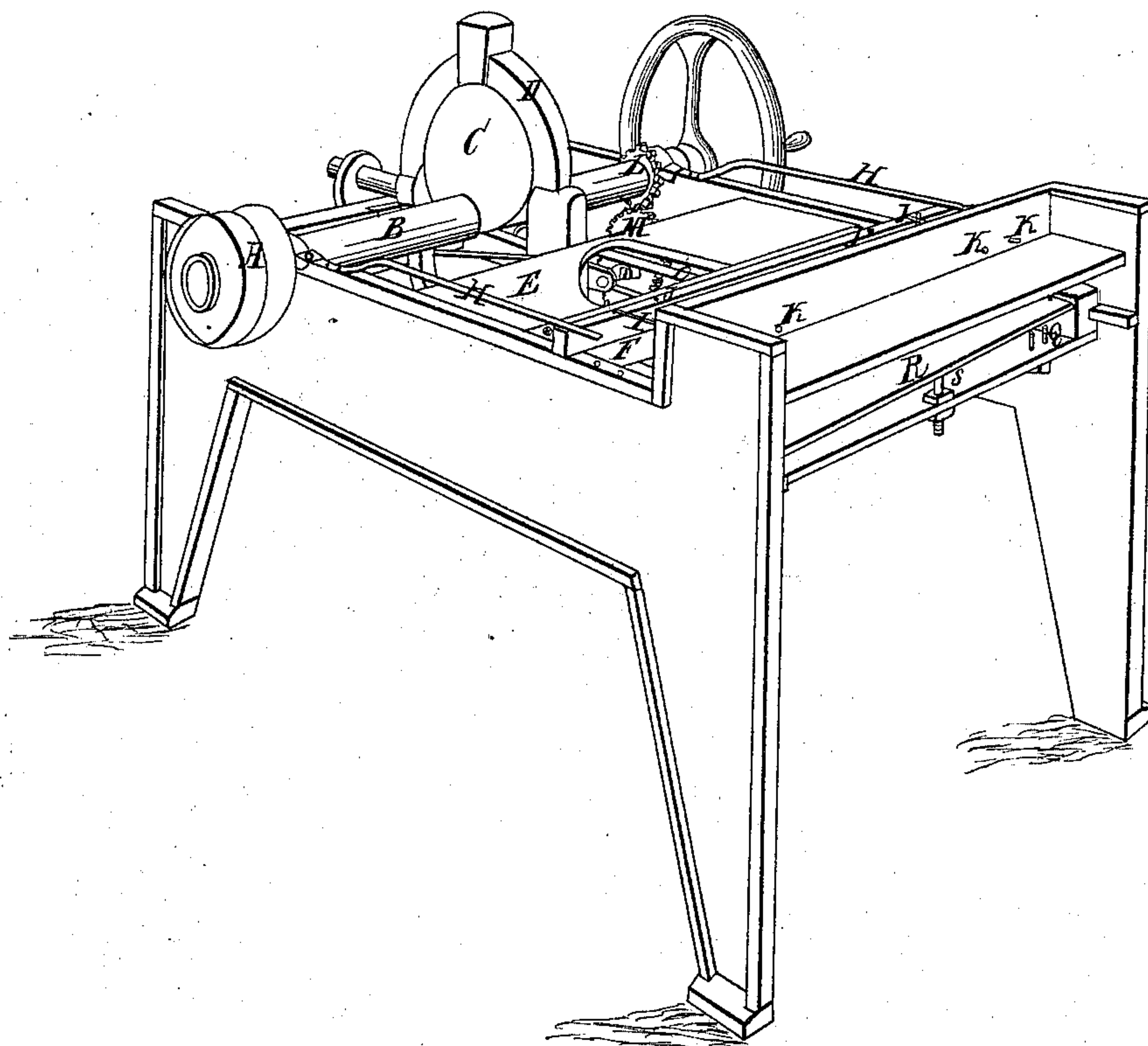
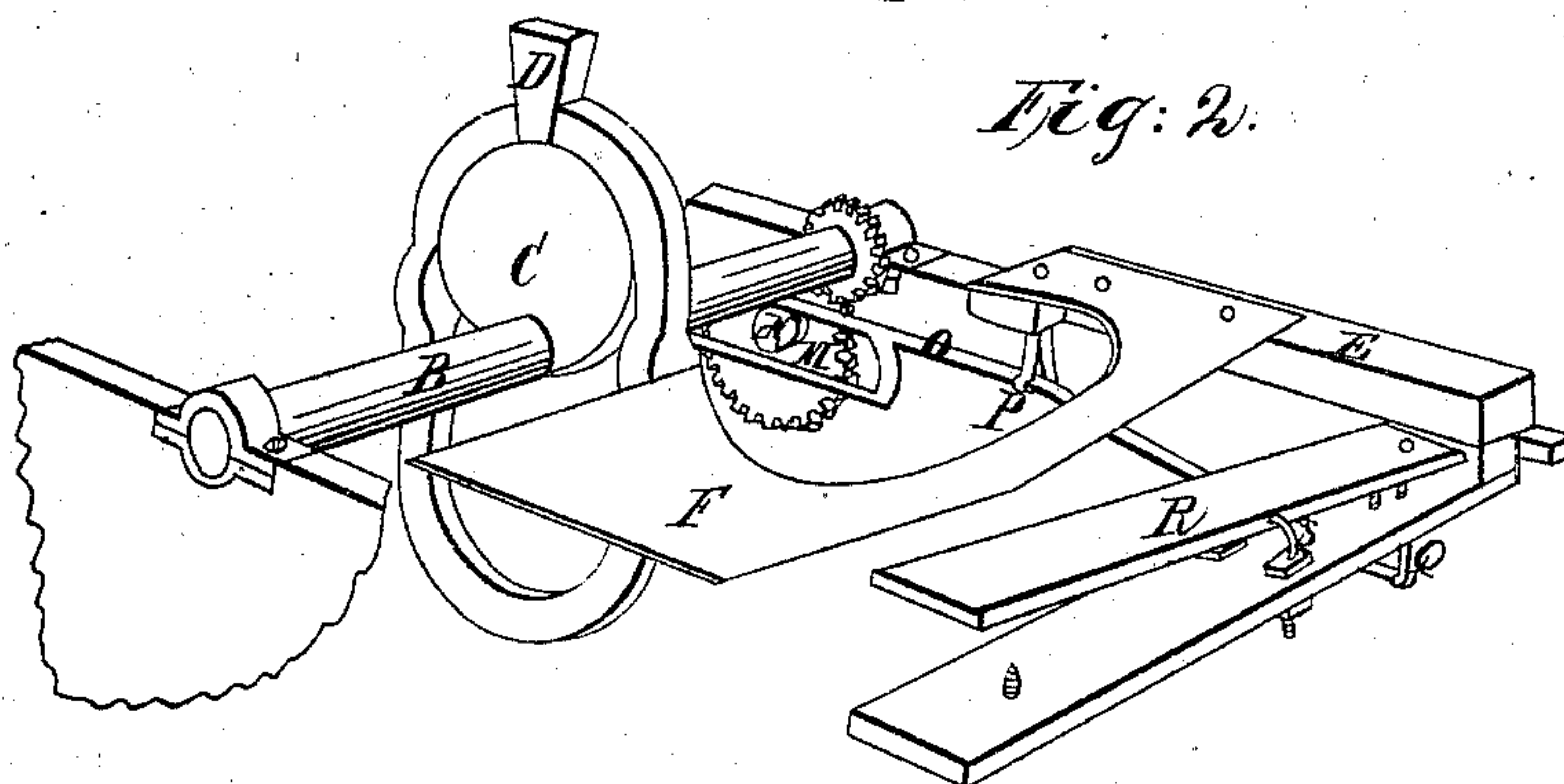


Fig: 2.



UNITED STATES PATENT OFFICE.

JOHN L. BROWN, OF INDIANAPOLIS, INDIANA.

SHINGLE-MACHINE.

Specification of Letters Patent No. 16,964, dated April 7, 1857.

To all whom it may concern:

Be it known that I, JOHN L. BROWN, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and
5 useful Machine for Making Shingles; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings,
10 making a part of this specification, in which—

Figure 1 is a perspective view showing the general arrangement of the machine; Fig. 2 a perspective view of detached parts.

15 In Fig. 1, A is a pulley to which the power is applied giving motion to the shaft B upon which is the eccentric C which revolves in the yoke D which is made fast to the knife sash E upon which is the knife
20 F. G is an adjustable bar H and H are springs designed to hold the bar G, in place I and I are rods which may be attached to the bar G at J J J and J and slide through the frame at K K and K L is a wheel upon
25 the shaft B which gears into the wheel M which is double its size, and around the center of which the eccentric N revolves working in the sliding yoke lever O whose fulcrum is at P where it is attached to the

knife sash E. Upon the lever O is the bolt 30 Q which slides through the knife sash E and is attached to the table R which oscillates upon the point S.

The following is a description of the operation of the machine. The block to be cut 35 is placed between the rods I and I. The power being applied to the pulley A, the shaft B is revolved giving a reciprocating motion to the knife sash E and one half of a revolution to the wheels M the eccentric 40 N alternately raises and lowers the ends of the lever O sliding the bolt Q through the knife sash E changing the oscillating table R at the time that the knife F is being drawn back after cutting the shingle. 45

What I claim and desire to secure by Letters Patent is—

The construction of a self-feeding shingle machine, by the arrangement and combination of the wheel L upon the shaft B, the 50 wheel M the eccentric N the lever O the bolt Q and the oscillating table R when arranged and operated as set forth.

JOHN L. BROWN.

Witnesses:

O. F. MAYHEW,
A. T. PERINE.