

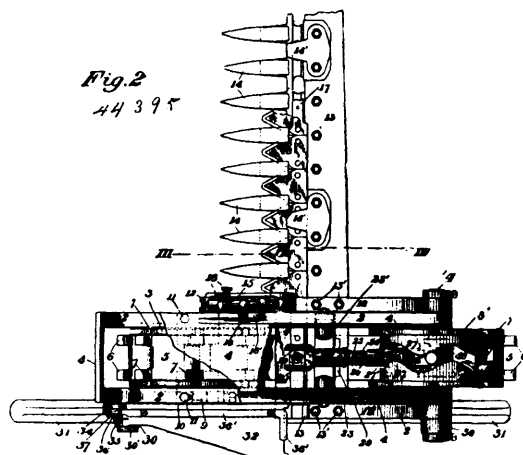
said post, the rotary cutter journaled in a depending portion of the motor supporting frame and in gear with said motor, and an elevating device for raising and lowering the post, comprising a screw-threaded rod depending from the main frame, a bevel wheel screwed on said rod, a similar bevel wheel meshing therewith fixed on a rotatable stud or arbour, and a clamp adapted to release or secure the rod against rotation, substantially as described. 12th. In combination, with the cutter and its actuating mechanism, the notched segment, and the vertically and laterally swinging handle provided with a detent for engaging the notches of the segment, substantially as described. 13th. In combination, with the rotary cutter, the grinding discs supported obliquely to the axis thereof, a tension device for holding the discs in yielding engagement with opposite sides of the cutter, and means for adjusting said device so as to vary the pressure upon the cutter at will, substantially as described. 14th. In combination with the rotary cutter, the swinging bracket arm and means for securing the same in the desired position, the shaft projecting obliquely from said arm, the grinding discs keyed on said shaft and engaging opposite sides of the cutter, the spring for separating said discs, a tension device for holding the discs in yielding engagement with the cutter, and means for varying the tension, substantially as described. 15th. In combination with the rotary cutters, the shaft extending obliquely to the axis thereof, the radially adjustable support for said shaft, a pair of grinding discs placed on said shaft so as to rotate therewith in contact with opposite sides of the cutter, means for adjusting the discs toward or from each other and sustaining them in yielding contact with the cutter, and a motor geared to said shaft and cutter so as to rotate the same, substantially as described. 16th. In combination with the rotary cutter, the shaft extending obliquely to the axis thereof, the radially adjustable support for said shaft, a pair of grinding discs placed on said shaft so as to rotate therewith in contact with opposite sides of the cutter, a spring interposed between said discs and tending to force them apart, means for adjusting the discs toward or from each other and sustaining them in the adjusted position in yielding contact with the cutter, and means for rotating the discs and cutters, substantially as described. 17th. In combination with the rotary cutter, the shaft extending obliquely to the axis thereof, the hanging bars pivoted at one end and having their opposite end loosely fitted on said shaft, the rod connecting said bars, the adjusting nut on said rod, the spring interposed between said nut and one of said bars, the grinding discs mounted on said shaft between said bars so as to rotate with the shaft, in contact with opposite sides of the cutter, and the spring tending to force the discs apart, substantially as described. 18th. In combination with the foot plate having a plain top, the standard mounted thereon near one side and end, the frame adjustably secured to said standard so as to overhang the side of the foot plate opposite the standard, the rotary cutter journaled in a depending portion of the frame, the rotary electric motor mounted at one side of the frame centrally above the cutter, a casing secured at the opposite side of the frame, and a train of spur gearing housed in said casing and adapted to impart motion from the motor to the cutter, substantially as described. 19th. The combination in a cloth cutting machine, with the cutter and its actuating mechanism, of the lamp, and means for changing the position of the lamp in respect to the cutter and securing it in the desired position, substantially as and for the purpose set forth. 20th. The combination in a cloth cutting machine with an electrically actuated rotary cutter, of an electric lamp, and means for adjusting and securing the lamp in the desired position in respect to the cutter, comprising a knob upon the lamp socket, a bifurcated clamp embracing said knob, and means for tightening the clamp so as to secure the lamp in the desired position, substantially as described.

No. 44,395. Mowing Machine. (Faucheuse.)

Simon L. McCulloch, Wheeling, West Virginia, U.S.A., 4th October, 1893; 6 years.

Claim.—1st. In a mowing machine, the combination with a finger bar and a vertically movable support carrying the same, of a rigid main frame independent of said support, and situate directly above the finger bar, said frame having an upwardly extending recess to permit vertical motion of said parts, substantially as described. 2nd. In a mowing machine, the combination with the finger bar, of a finger bar support extending lengthwise of the machine and movable in a vertical direction, a lifting and adjusting rod freely movable upwardly, and stops adapted to hold the finger bar from descending, substantially as described. 3rd. In a mowing machine, the combination with the finger bar, of a finger bar support extending lengthwise of the machine and movable in a vertical direction, a lift rod at one end of the support, and means for supporting said rod in different positions, said rod being freely movable upwardly, substantially as described. 4th. A mowing machine, having but two main frame supporting and driving wheels arranged in tandem and mechanically connected so as to combine the tractive forces of the two wheels, a finger bar and reciprocatory knife located in a line which passes between the wheels, and a power connection, connecting the knife with one of the wheels, substantially as described. 5th. A mowing machine, having all its main frame supporting driving wheels arranged in tandem and mechanically connected, so as to combine the tractive forces of the said wheels, a finger bar and knife, supports radially supporting the finger bar from the axis of

one of said wheels, and a power connection connected with the knife and deriving its power from the wheel, substantially as



described. 6th. In a mowing machine, the combination with a finger bar having supporting arms rigidly attached thereto at the machine end and mounted pivotally on an axis transverse to the machine, said bar being freely movable upwardly by obstruction in the field independently of the machine frame, of a carrying support or wheel at the outer end of the finger bar and held thereby with its axis substantially in the axial line of the pivot of the supporting arms, said outer carrying support or wheel having no axle connecting it with said machine save by the finger bar which serves as an axle therefor, substantially as described. 7th. A mowing machine, having all its main frame supporting driving wheels arranged in tandem and mechanically connected so as to combine the tractive forces of the said wheels, a finger bar having at the machine end supporting arms pivotally mounted on an axis transverse to the machine, a carrying support or wheel set at the outer end of the finger bar and held thereby substantially in the axial line of the supporting arms, and means for lifting the finger bar, substantially as described. 8th. In a mowing machine, the combination with the finger bar and guard, of a knife having means for imparting thereto a tipping tension towards the opposing cutting edges of the guard, substantially as described. 9th. A mowing machine, having main frame supporting wheels arranged in tandem and mechanically connected so as to combine their tractive forces, a finger bar, and another support or wheel at the outer portion of the finger bar, substantially as described. 10th. A mowing machine, having main frame supporting wheels, which derive their rotary motion by the traction of the machine over the ground, said wheels being arranged in tandem and mechanically connected so as to combine their tractive forces, cutting mechanism situate at one side only of the machine and connected with and driven by said wheels, and means for the connection of the machine to power in order to draw the same and by traction to rotate the wheels, substantially as described. 11th. In a mowing machine, the combination of the finger bar and guards, a knife comprising a knife rod with knife sections attached thereto, a spring acting on the knife at a point eccentric to its longitudinal axis and exerting on the same a tipping tension (as distinguished from a direct pressure) to force the knife sections towards the opposing cutting edges of the guards, substantially as described. 12th. A mowing machine, having main frame supporting wheels arranged in tandem and mechanically connected so as to combine their tractive forces, a rigid machine frame carried by said wheels, a finger bar, another support or wheel at the outer portion of the finger bar, and means for moving the finger bar vertically and maintaining it in substantially horizontal position, substantially as described. 13th. A mowing machine, having supporting wheels which derive their rotary motion by the traction of the machine over the ground, said wheels being arranged in tandem and mechanically connected by an endless flexible connection which passes around the peripheries of the wheels so as to combine the tractive forces of the said wheels, which are arranged with the lowest points of their peripheries in substantially the same horizontal plane, whereby a flat portion of the endless flexible connection is in contact with the ground, cutting mechanism connected with and driven by said wheels, and means for the connection of the machine to power in order to draw the same and by traction to rotate the wheels, substantially as described. 14th. A mowing machine, having supporting wheels which derive their rotary motion from the traction of the machine over the ground, said wheels being set in tandem and mechanically connected by an endless flexible connection which passes around the peripheries of the wheels and has a flat intermediate portion in contact with the ground, said flexible connection being provided with projections adapted to enter the ground, so as to combine the tractive force of the two wheels, cutting mechanism connected with and driven by said wheels, and means for the connection of the machine to power