

set forth. 3rd. The combination with means to progress a tag body web, of an oscillatory blade to slit said web, and means to adjust the relative position of the centre of oscillation of said blade and the edge of said web, to vary the dimensions of the slits in said web, substantially as set forth. 4th. The combination with a reservoir for an adhesive compound, of a port leading from said reservoir, means to progress a strip of fabric, and a roller opposed to said port to present said strip against the mouth thereof, to receive the adhesive directly therefrom, substantially as set forth. 5th. The combination with means to progress a tag body web, of mechanism to notch the edge of said web at regular intervals, means to adjust said mechanism with respect to said web, to vary the dimensions of the notches therein, and adjustable means to vary the distance between the successive notches in said web, substantially as set forth. 6th. The combination with means to progress a tag body web, of an oscillatory blade to slit said web, means to adjust the relative position of the centre of oscillation of said blade and the edge of said web, to vary the dimensions of the slits in said web, and adjustable means to vary the distance between the successive slits in said web, substantially as set forth. 7th. The combination with means to progress a tag body web, of an oscillatory blade to slit said web, means to automatically vary the relative position of the centre of oscillation of said blade, and the edge of said web, to vary the dimensions of the slits in said web, at predetermined periods in the operation, substantially as set forth. 8th. The combination with means to intermittently progress a tag body web, of means to perforate said web during the intermission in its traverse, mechanism to notch the edge of said web, at regular intervals, and means to simultaneously adjust said notching mechanism vertically and in the direction of traverse of the web, to vary the dimensions of the notches and the distance of the same from the perforations, substantially as set forth. 9th. The combination with a reservoir for an adhesive compound, of two parts leading from said reservoir, two strips of fabric, respective rollers arranged to present the respective strips in opposition to the respective ports to receive the adhesive, directly therefrom, and means to simultaneously progress both of said strips, substantially as set forth. 10th. The combination with the feed rollers M^2 , M^{10} , of the gears m^2 , m^{10} , fixed upon the respective rollers, the shaft M^4 , extending from the roller M^2 , the bevel gear m^6 , connecting said shaft M^2 , with the shaft M^4 , a ratchet wheel M^7 , fixed upon said shaft M^6 , the pawl m^8 , mounted to oscillate with respect to said shaft M^6 , a pitman M^5 , arranged to intermittently actuate said pawl m^8 , an eccentric operatively connected with said pitman, and means to adjustably vary the throw of said eccentric, substantially as set forth. 11th. The combination with means to progress a tag body web, of mechanism to perforate said web at regular intervals, mechanism to notch the edge of said web at regular intervals, means to adjust said notching mechanism with respect to said web, to vary the dimensions of the notches therein, and mechanism arranged to operate in synchronism with said perforating and notching mechanism to provide said web, with imprints in predetermined relation with said perforations and notches, substantially as set forth. 12th. The combination with means to progress a tag body web, of mechanism to notch the edge of said web at regular intervals, means to adjust said notching mechanism with respect to said web, to vary the dimensions of the notches therein, a blade arranged to slit said web, and mechanism arranged to operate in synchronism with said notching and slitting mechanism, to provide said web with imprints in predetermined relation with said perforations and slits, substantially as set forth. 13th. The combination with means to progress a tag body web, of means to progress reinforcing strips upon opposite sides of said web, of perforating mechanism, comprising opposed die plungers K^1 , K^2 , the reciprocating head K^3 , in which said plunger K^1 , is fixedly mounted, the reciprocating head K^4 , in which said plunger K^2 , is mounted to reciprocate in the direction of its length, resilient means independent of the reciprocating mechanism to normally thrust said plunger K^2 , forward with respect to said head K^4 , a die stem k^2 , fixed in said head K^4 , and extending through said plunger K^2 , a passage way k^1 , in the plunger K^1 , in registry with said die stem k^2 , and means to reciprocate said heads K^3 , K^4 , in opposition substantially as set forth.

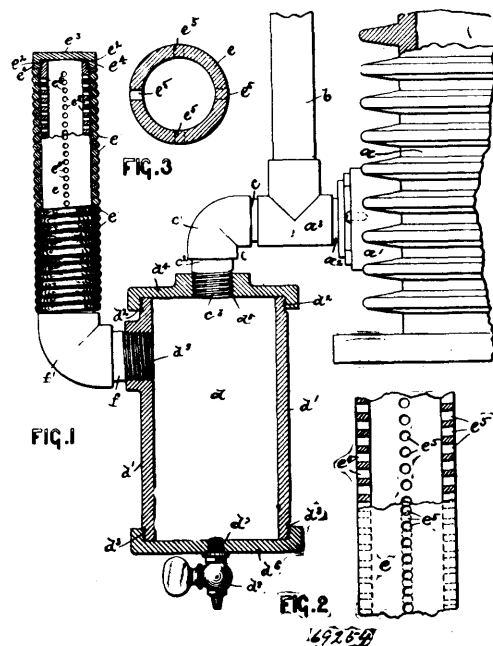
No. 69,254. Engine Muffler.

(*Tambour de machine à vapeur.*)

The Oxford Manufacturing Company, Oxford, Pennsylvania, assignee of James Smith, Newark, New Jersey, U.S.A., 8th November, 1900; 6 years. (Filed 17th October, 1900.)

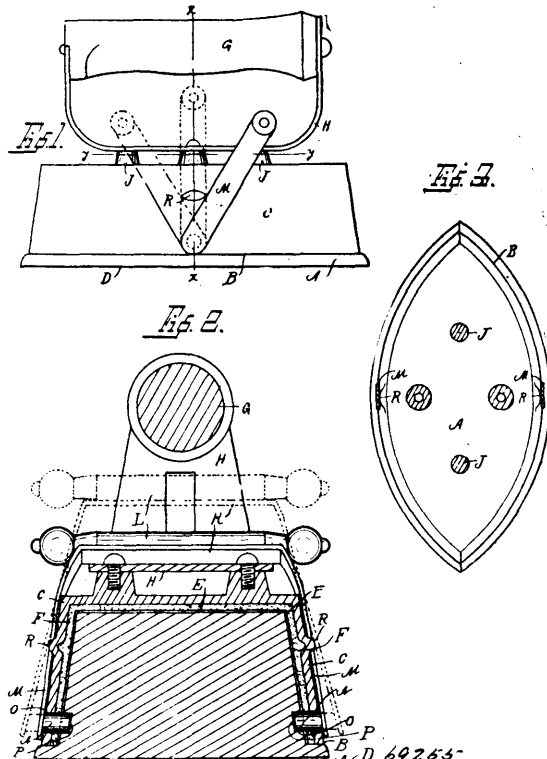
Claim.—1st. In a muffler for engines, an exhaust or eduction pipe or duct, having a closed top and an inlet for receiving the exhausted medium, and provided with radially extending and helically disposed holes or perforations, and a spring encircling the outer surface of said pipe or duct, the central helical pitch line of the coils of said spring corresponding to an imaginary helical line around the said pipes or duct on which said holes or perforations have their centres, substantially as and for the purposes set forth. 2nd. In a muffler for engines, the combination of a casing forming a relief chamber, having a means of ingress and egress for the medium to be exhausted, of an exhaust pipe connected therewith, having a closed top and provided with radially extending and helically disposed holes or perforations, and a spring encircling the outer surface of said pipe, the central helical pitch line of the coils

of said spring corresponding to an imaginary helical line around said pipe on which said holes or perforations have their centres.



substantially as and for the purpose set forth. 3rd. The herein described engines, consisting essentially of a casing, d^1 , a top and bottom cover therefor, said top cover having an opening, and a means of ingress therein for the admission of the medium to be exhausted, said casing having an opening in one side thereof, and an eduction pipe, c , connected with the said opening in the side of said casing, said pipe c being provided with helically disposed openings or perforations c^5 , and a spring e^1 encircling said pipe and arranged over said holes or perforations, substantially as and for the purposes set forth.

No. 69,255. Sad Iron. (*Fer à repasser.*)



Charles T. Johnson, assignee of Lorenzo D. Clark, both of Stoughton, Wisconsin, U.S.A., 8th November, 1900; 6 years. (Filed 15th October, 1900.)