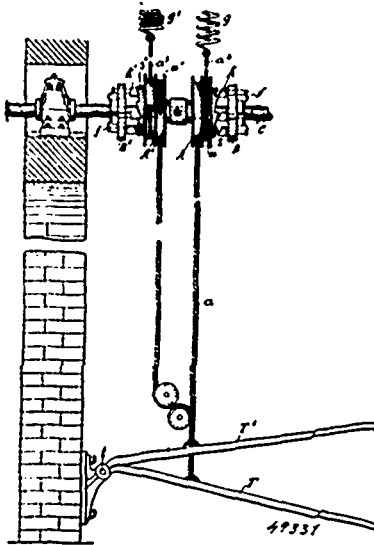


shears, and the pivot *a* placed out of the line of cutting edges of the blades to make a sliding or shearing cut, substantially as and for the purpose hereinbefore set forth.

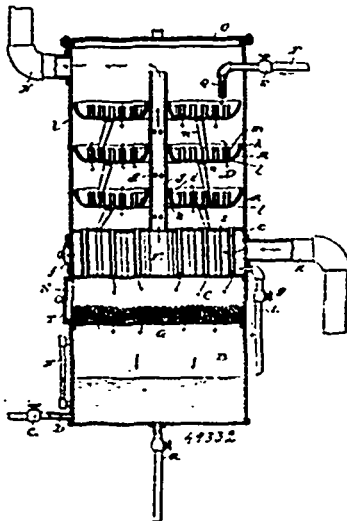
No. 49,331. Apparatus for Producing Rotary Motion.
(Appareil pour la production de mouvement rotatif)



Hermann Ganswindt, Shoneberg, Germany, 25th June, 1895; 6 years.

Claim.—1st. In combination, with the shaft to be driven, the drum or pulley loosely journaled on said shaft, the operating rope connected to and wound upon said drum, the spring for returning the drum to its initial position, and the pawl devices comprising the disc *B* rigidly secured to the shaft the series of pawls extending through the same and the leaf springs bearing on the shanks of the pawls, said pawls engaging ratchet teeth on the side of the drum, substantially as described. 2nd. In combination, with the shaft to be driven, the drum or pulley having a snail or spiral tread and a portion concentric with the shaft and provided with ratchet teeth, the pawl device engaging said teeth, the idler shaft having two reversely arranged snail or spiral drums, the strap connecting one of said drums with the drum on the driven shaft, and the draft strap extending from the other drum on the idler shaft to the source of power, substantially as described.

No. 49,332. Apparatus for Purifying and Filtering Water.
(Appareil pour purifier et filtrer l'eau.)

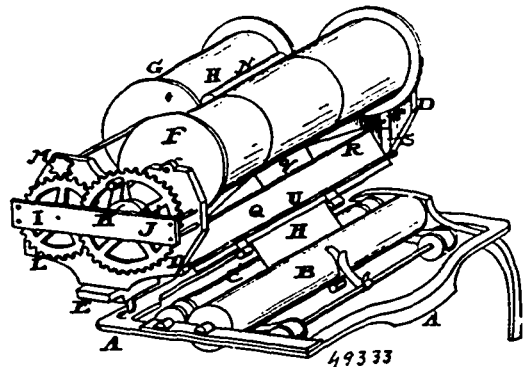


Charles H. Snyder, Jackson, Michigan, U.S.A., 25th June, 1895; 6 years.

Claim.—1st. A water purifier and filter, comprising a suitable

casing, having a clear water chamber in its bottom, a filtering chamber with perforated top and bottom walls arranged above the clear water chamber, a steam chamber arranged above the filtering chamber, a purifying chamber arranged above the steam chamber, a vertical pipe having lateral perforations rising from the steam chamber, tubes passing through the steam chamber and connecting the purifying chamber with the filtering chamber and pans surrounding the vertical pipe and having holes in their bottoms, and short tubes, rising from the holes, and a suitable steam inlet and steam exhaust and a water supply, all combined and adapted to operate, substantially as specified. 2nd. In a water purifier and filter, the combination with a suitable casing having a clear water chamber in its bottom, a filter chamber above the same, a purifying chamber above the filter chamber, a steam chamber interposed between the purifying chamber and the filter chamber, tubes connecting the filter chamber, tubes connecting the filter chamber with purifying chamber, and a perforated pipe leading from the top of the steam chamber for distributing the steam through the purifying chamber substantially as specified. 3rd. The casing having the pure water chamber in its bottom, the filter chamber above the same, the steam chamber, having the vertically-disposed tubes passing through the same, and also having the oil outlet, the steam pipe entering the steam chamber, the vertical pipe having the lateral apertures, the pans having the vertical, central apertures surrounded by a flange, and also having the short vertical tubes leading from holes in the bottom and of a less height than the vertical walls of the pan, and a water supply and steam discharge, substantially as specified.

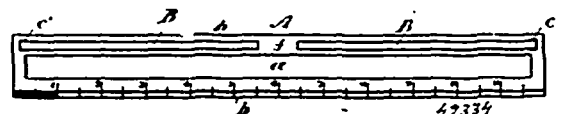
No. 49,333. Type-Writing Machine. (Clavigraphie.)



George L. Rawdon, Cleveland, Ohio, U.S.A., 25th June, 1895; 6 years.

Claim.—In a paper-feeding machine for type-writing machines the combination with the impression and feed roller on the type-writer of a supporting frame mounted on the carriage of the type-writer, rollers *F* and *G* journaled in said frame, ribbon *H*, attached to said rollers and passed under the feed roller *C*, of the type-writer, a spring *K*, and gear train *J*, *L*, *M*, attached to the roller plane *D*, *D*, and connected with and operating said ribbon roller *G*, a spring actuated roller *N*, bearing against rear side of ribbon roller *F*, and a self adjusting guide plate *Q*, journaled in grooves *S*, *S*, in the end plates *D*, *D*, all constructed and combined to operate substantially as described and for the purpose set forth.

No. 49,334. Ruler. (Règle.)



Major Romeyn Jewell, Rochester, New York, U.S.A., 25th June, 1895; 6 years.

Claim.—1st. The combination, with a ruler consisting of a thin plate, of a supporting strip seated loosely in the ruler adjacent to one edge only, and projecting on opposite sides in the same coincident line, whereby the opposite edge of the ruler can be brought in direct contact with a supporting surface either side up, said strip extending longitudinally of the ruler and being of such length as to support the same, as herein shown and described. 2nd. A ruler consisting of a body or plate and a supporting strip extending longitudinally of the same adjacent to one edge thereof, the plate having a slot to receive the strip and the strip provided with grooves in its sides to embrace the edges of the slot, as specified. 3rd. A ruler consisting of a body or plate and a supporting strip extending longitudinally of the same adjacent to one edge thereof, the plate provided with a slot to receive the strip, said slot having an offset to allow the entrance of the strip, and the strip provided with grooves to embrace the edges of the slot as specified. 4th. A ruler consisting of a body grooved near one edge and a flexible supporting strip of rubber or