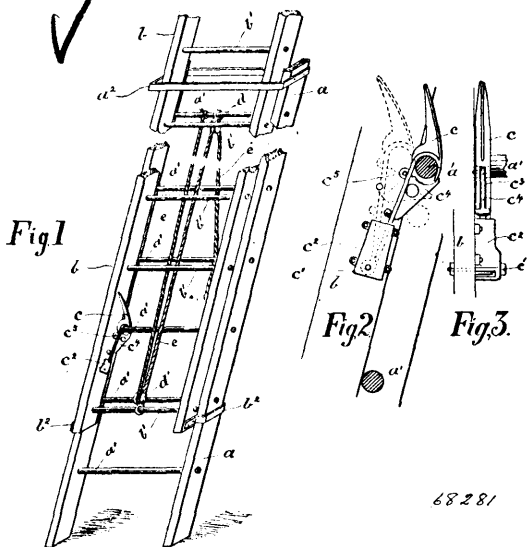


up-and-down movement, and means for raising and lowering said gangs independently, of a pivoted centre shovel carrying frame also adapted for up-and-down movement and provided with a device adapted to engage one of the gangs so that said frame will move with the gang to which it is attached, substantially as described.

No. 68,281. Self Hooking and Self Releasing Extension Ladder. (Echelle a rallonge)

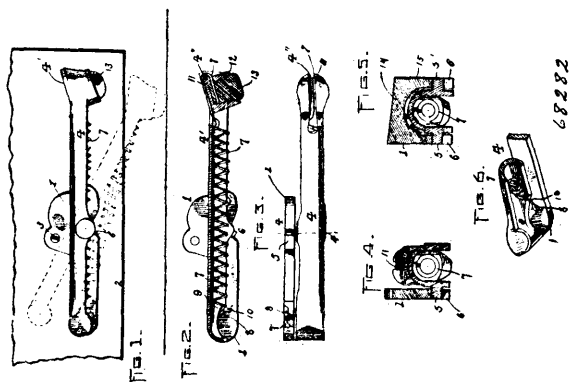


68281

Albert Marion Ferguson and Robert Alexander Jelly, both of Winnipeg, Manitoba, Canada, 1st August, 1900; 6 years. (Filed 11th July, 1900.)

Claim.—1st. In a self hooking and releasing extension ladder the combination of the peculiar form of the hook C with the box C², pin or bolt C¹, the peculiar form of release C⁴ pivoted at the back of hook C at C⁵ and operating in the slot C³, all substantially as set forth. 2nd. In a self hooking and releasing extension ladder, the combination of the hook C having its lower extremity perforated to receive the bolt C¹ the box C² also perforated for the same purpose, the bolt C¹ passing through the box C², hook C, and side of ladder B, the releaser C⁴ pivoted at the back of the hook C and working in slot C³ with the ladders A A and B B. 3rd. In a self hooking and releasing extension ladder the combination of the hook C having its lower extremity perforated to receive the bolt C¹, the box C², also perforated for the same purpose, the bolt C¹ passing through the box C², hook C and side of ladder B, the releaser C⁴ pivoted at back of C and working in slot C³ with the ladders A A and B B, and pulleys D and D¹ and cord or rope E, all formed, arranged and combined as set forth.

No. 68,282. Door Holder. (Arrête-porte.)



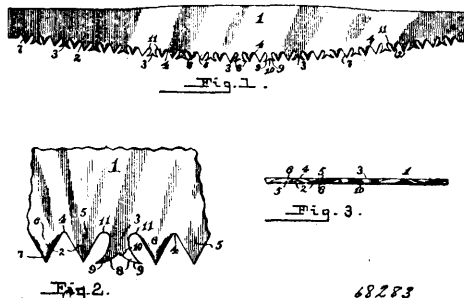
68282

Charles Herbert Ocumpaugh, Rochester, New York, U.S.A., 1st August, 1900; 6 years. (Filed 17th July, 1899.)

Claim.—1st. In a door holding device the combination of the plate fixed to the door, the lever provided with a trunnion bearing in the plate and a spring operatively joining the plate and lever, one end of said spring being attached at the extreme opposite end of the lever to increase the leverage and obviate the use of a special spring holding lug, and a friction block to the end of the lever by means of the

spring. 2nd. In a door holding device the combination of the plate fixed to the door, the lever provided with a trunnion bearing in the plate and a spring operatively joining the plate and lever, one end of said spring being attached to the extreme opposite end of the lever, and a friction block secured to the end of the lever by the means which secured the spring to the same, said lever having an upwardly bent portion provided with a block seat and with a groove to receive the spring wire extending around its end. 3rd. In a door holding device the combination of a plate, a lever, a spring bearing on the end of the lever and a friction block, said block being held to the lever by the spring, whereby the spring is fastened directly, the lever and a special lug avoided, said spring fastening also performing the additional function of holding the friction block.

No. 68,283. Saw. (Scié.)



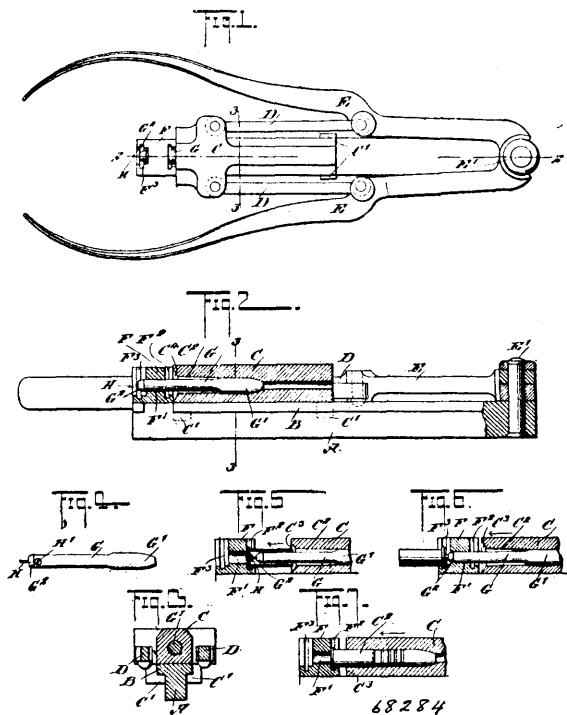
68283

Charley McDonner, Wausaukee, Wisconsin, U.S.A., 1st August, 1900; 6 years. (Filed 28th August, 1899.)

Claim.—In a saw, the blade having at the working edge thereof alternating pairs of cutting teeth, and rakers between said pairs of teeth, the two cutting teeth of each pair being arranged side by side and each tooth having one of its faces continuously rounded or convex from edge to edge thereof, so as not to present angular edges to the sides of the kerf, and said rounded or convex faces of the adjacent teeth being disposed in reverse relation, said rakers which alternate with the pairs of teeth being provided with outwardly divergent semi-crescent teeth having their bills curved toward the straight inclined edges of the adjacent cutting teeth, the notches between the cutting teeth, and also those between the latter and the raker shanks, being of equal depth and rounded at their bases, substantially as set forth.

No. 68,284. Cartridge Reloading Tool. (Appareil à charger les cartouches.)

(Appareil à charger les cartouches.)



68284

Walter Herbert Gripman, Sioux Falls, South Dakota, U.S.A., 1st August, 1900; 6 years. (Filed 31st January, 1900.)