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the said brackets, substantially as specified. 2nd. The combination, with the mower frame and the axle, of the oscillating brackets on the axle, the tedder frame having hooked arms detachably enga-ing the brackets, and means for tilting the brackets and raising the combination, with the mower, substantially as specified. 3rd. The combination, with the mower frame and the axle, of the oscillating brackets on the axle, the tedder-frame having arms detachably en-gaging the brackets, the transverse shaft jo irnalled in bearings on the mower, and the lever on the mower connected with said combination, with the crank-shaft, of the clip embracing the same, passes, as set forth. 5th. The combination, with the crank shaft of the prong, and an eye-bolt through the eye of which the prong and the clip embracing the same, and carrying an eye-bolt, of the orn the clip, substantially as and for the purpose specified. 6th. The combination, with the tedder-frame and the aroung an eye-bolt through the crank shaft, of the prong, and an eye-bolt through the eye of which the prong and the clip, substantially as and for the purpose specified. 6th. The combination, with the tedder-frame and the crank shaft, of the clips embracing the cranks of the said shaft. the eye bolts passed through the clips, and the prongs D, passed loosely through the thimbles rigidly held in the eye bolts, and formed near their curres with a coil D¹ embracing the olips and the crank shaft, substan-tedder, of the shaft carried by bearings, adjustable on the tedder frame, connections between the shaft and the axle, of the mower and the erank shaft of the deder, and means for raising and lower-ing the tedder, substantially as specified.

No. 35,200. Band Cutter and Feed Attachment to Threshing Machines. (Coupe-hart et alimentateur pour machines à battre.)

George Nelson Brintnell, Canifton, Ontario. Canada, 11th October, 1890; 5 years.

1890; 5 years. Claim.-1st. The combination, with the table or platform 1, hav-ing longitudinal slots 2, and bearings 8, of the shafts 4, 4, carrying sprocket wheels 6, and endless chains 7, provided with arms 9, pintled at intervals to the links of said chains, whereby said arms travel through the slots in the table and are maintained erect by passing over the bearing 8, as set forth. 2nd. The combination, with the feed table 1, provided with a shaft 4, carrying sprocket wheels 6, of the frame 11, having one end hung to said shaft, and the other end engaing and disengaging a holder 15, secured to the feed table, said frame carrying a shaft 12, having rotary cutters 14, projecting through slots in the table, whereby the cutters may be raised or lowered by the adjustment of the frame, for the purpose set forth

No. 35,201. Process of Manufacturing Steel Wheels. (Procedé de fabrication des roues d'acier.)

James Auber Facer, Philadelphia, Pennsylvania, U.S.A., 13th October, 1890; 5 years.

James Auber Facer, Philadelphia, Pennsylvania, U.S.A., 13th October, 1890; 5 years.
Claim.—1st. The herein described process of making forged wheels which consists in first subjecting an ingot or bloom in a heated condition to torging operations to reduce it to approximately the proper a position parallel to the line of action of said dies, and subjecting it to forging operations between said dies, turning it under them and and finally subjecting it to pressure between finishing dies, forging process of making forged wheels, which consists in first subjecting it to pressure between finishing dies, forging process of making forged wheels, which consists in first subjecting it to pressure between finishing dies, forging process of making forged wheels, which consists in first subjecting it to pressure between finishing dies, forging process of making forged wheels, which consists in first subjecting it of the end dies, then placing it between dies in an upright position, or in a position parallel to the line of action of said dies, and subjecting it to pressure between finishing dies, turning it under them, and rounding it up into approximately the shape of the finished wheel, simultaneously forming the flange upon the bloom while in said upright position by the forging operations to reduce it to approximately the shape of the finished form. 3rd. The herein described process of making forged wheels, which considering it setting a to reduce it to approximately the shape of the finished wheel, simultaneously forming operations to reduce it to approximately the shape of the finished wheel, simultaneously forming operations to reduce it to approximately the shape of the finished wheel, which condition to rang a position generation to reduce it to approximately the proper thickness in first subjecting it to the line of action of the dies, and subjecting it under them and simultaneously forming the flange upon the bloom while in said upright position, or in a position parallel to the line of action of the die

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No. 35,202. Steam Hammer for Forging Steel Wheels. (Marleau-pilon pour forger les roues d'acier.)

James Aubra Facer, Philadelphia, Pennsylvania, U.S.A., 13th October, 1890; 5 years.

Claim.-1st. In a steam hammer for forging wheels, a hammer die, having a projection upon one face thereof, in combination, with an anvil die provided with a laterally extending support for the peri-

hery or tread, of the wheel blank to hold said blank in an upright built of the princip or the adverted in the side of face of the anvil. and permit it to be tread upring the combination, with an anvil die provide the the base, and face to hold said blank in an upright position against the side of face of the anvil. and permit it to be tread upring the combination of the periphery or tread, of the wheel blank at the base, and face to hold said blank in an upright position against the side of face of the anvil. and permit it to be tread upring the combination upring the periphery or tread, of the wheel blank at the base and face to hold said blank in an upright position against the side of face of the anvil. and permit it to be tread during the rounding up and flanging operation. 3rd, in a strend during the rounding up and flanging operation. The periphery or tread, of the wheel blank to hold said blank in an anvil die provided with a laterally extending support for the periphery or tread, of the wheel blank to hold said blank in an upright position against the side of the anvil. and permit it to be tread during the rounding up and flanging operation. The periphery of tread upring the rounding up and flanging operation. The periphery of the periphery or tread, of the wheel blank to hold said blank in a upright position against the side of the aveil a distrally reperiphery of the periphery or tread, of the wheel blank to hold said blank in a upright position against the side of the aveil a distrally reperiphery of the blank. Sth. In a steam hammer for forging wheels, a hammer for forging wheels, a hammer die, and thereally projecting step wheels distral to a periphery of the blank. Sth. In a steam hammer for forging wheels distral to a periphery of the blank. Sth. In a steam hammer for forging wheels distral to a periphery of the blank in a upright position against the side of the aveil a distral to a periphery of the blank in a upright position against the side of the aveil a distral to a periphery of the blank

No. 25,203. Fence Post Holder. (Socle pour pieux de clôture.)

Lawrence Heiland, The Bend, Ohio, U.S.A., 13th October, 1890; 5 years.

years. Claim-1st. A fence post holder, of polygonal shape, having long-itudinal recesses in its faces, flat bases at the lower ends of the re-cesses, and cunenl webs between the recesses, substantially as de-scribed, and for the purposes stated. 2nd. A fence post holler, of polygonal shape, having longitudinal recesses, each of which at its outer extremity extends entirely across one face, and part way across each of the adjoining faces, cuneal webs between the recesses a flat base at the bottom of each recess, a socket in the top of the holder, and one or more lateral openings leading from the bottom of the socket, as and for the purposes set forth.

No. 35,204. Hub Band. (Doublure de moyeu.)

Thomas J. Reid, Gananoque, Ontari , Canada, 13th October, 1890; 5 years.

years. Claim.-lst. The combination, with the maleable or expansible hub-band for the ends of vehicle-hubs, of a covering and lining therefor in a single piece, bent as shown, the parts being secured to each other by the conjointly flared outer portion of the hub-band lining and exterior covering, substantially as set forth. 2nd. The combination, with a malleable or expansible hub-band, of a cover-ing and lining therefor in a single piece, the parts being secured to rether by the conjointly expanded outer portion of the hub-band, and of the lining, substantially as set forth. 3rd. The combination, with a malleable hub-band having a central portion of increased thickness provided with oppositely-extended inclined faces, of a cov-ering and lining made in a single piece, the parts being secured to rether by the lining being in intimate relation with said inclined faces, and conjointly expanded lining and hub-band, substantially as set forth.

No. 35,205. Recorder and Combination Lock for Money Tills. (Régistre et serrure à combinaison pour caisses de comptoire.)

Arthur R. Peck, Cortland, New York, U.S.A., 13th October, 1890; 5 years

Claim.-Ist. In a combination lock for drawers, a series of rocking tumblers on a shaft, having one of their ends notched, said notches being adapted to register with each other, and to receive an oscillat-