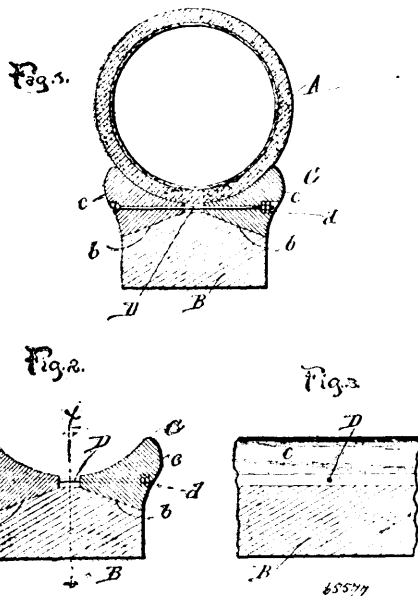


**No. 65,577. Wheel Rim for Elastic Tires.***(Jante de roue pour bandages élastiques.)*

Morgan & Wright, assignee of George A. Smith, all of Chicago, Illinois, U.S.A., 29th December, 1899: 6 years. (Filed 14th October, 1899.)

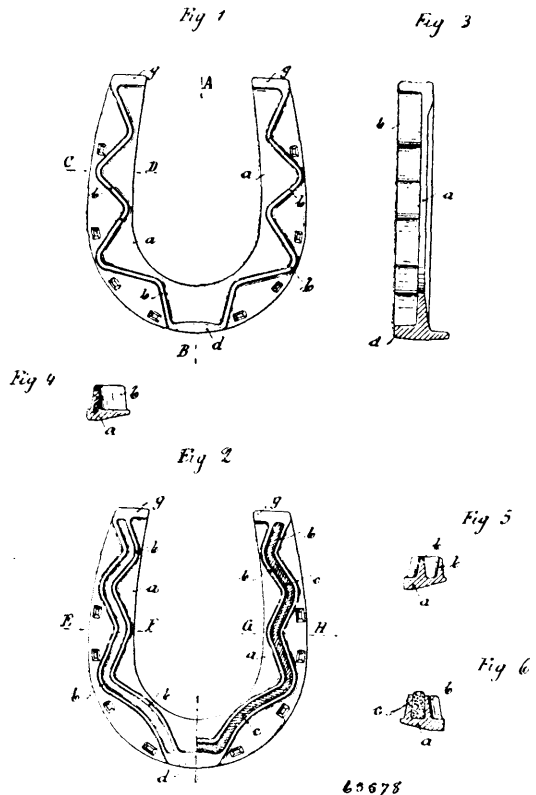
**Claim.**—1st. A wooden felly having its perimeter bevelled at each side of a centre line, and a channelled metal rim comprising a couple of rings or annular sections fitted to seat upon the bevelled portions of the felly and adapted when in place thereon to conjointly form an annular channel for the base portion of an elastic tire, said rings or sections being adjustably held upon the felly by bolts or screws. 2nd. A wooden felly having its perimeter bevelled at each side of a centre line, and a channelled metal rim comprising a couple of rings or sections adjustably drawn the one towards the other and clamped upon the felly by bolts and tightening nuts, the inner sides of the rings or sections being bevelled in conformity with and fitted to the bevelled portions of the felly, and having their outer sides adapted to conjointly provide a channel for receiving the base portion of an elastic tire, and said rings or sections being primarily applied with intervening space. 3rd. The combination of a wooden felly having annular, bevelled, peripheral seats respectively at opposite sides of a centre line, a sectional metal rim providing an annular channel and composed of a couple of rings or annular sections having inner bevelled sides fitted to the bevels of the wooden felly, tie bolts and nuts whereby the rings or annular sections are adjustably clamped upon the wooden felly, and an elastic tire having its base portion held within the annular channel of the sectional metal rim.

**No. 65,578. Horse Shoe. (Fer à cheval.)**

Bruno Wesselmann, Prussia, Germany, 29th December, 1899: 6 years. (Filed 4th November, 1899.)

**Claim.**—1st. A horse shoe comprising a base plate *a*, and a rib or ribs *b* of serpentine or zig-zag form on the lower face, for the purpose of offering resistance in every direction against slipping, substantially as described. 2nd. A horse shoe comprising a base plate

*a*, parallel ribs *b* of serpentine or zig-zag form on the lower face and packing material *c* between said ribs, for the purpose of offering



resistance in every direction against slipping, substantially as described.

**No. 65,579. Grinding Mill. (Moulin à farine.)**

Emil R. Draver and Henry C. Draver, both of Winchester, Indiana, U.S.A., 29th December, 1899: 6 years. (Filed 16th September, 1899.)

**Claim.**—1st. In a grinding mill, the combination with a feed trough or propeller case and a suitable non-rotary resistance plate, of a grinding screw or propeller having an extended hub which passes through said resistance plate, with said parts mounted to afford a yielding action between said plate and said propeller, substantially as described. 2nd. In a grinding mill, the combination with a feed trough or propeller case and a suitable non-rotary resistance plate, of a grinding screw or propeller within said case held under yielding pressure to move toward and from said resistance plate, and a discharge opening which is automatically varied in size under the longitudinal movement of said propeller, substantially as described. 3rd. In a grinding mill, the combination with a feed trough or propeller case and a stationary resistance plate, of a screw or propeller within said feed trough having an extended hub or shaft acting as a gate for co-operation with a perforation in said resistance plate, said propeller and gate being mounted to move to and from said resistance plate to vary the size of the discharge opening from said grinding chamber, substantially as described. 4th. In a grinding mill, the combination with a feed trough or propeller case and a stationary resistance plate of a screw or propeller within said feed trough having an extended hub or shaft serving as a gate for co-operation with a perforation in said resistance plate, said propeller being under yielding pressure and movable to and from said resistance plate to automatically vary the size of the discharge opening from the grinding chamber, substantially as described. 5th. In a grinding mill, the combination with a feed trough or propeller case and a stationary resistance plate, of a screw or propeller within said feed trough or case mounted to move to and from said resistance plate under yielding pressure, a driving sleeve affording a bearing for said propeller shaft, and a clutch connecting said sleeve and shaft for common rotation but permitting said shaft