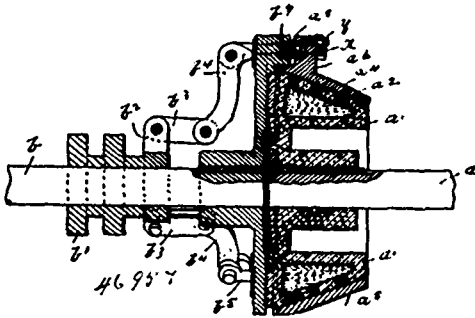


lead and zinc alloy respectively. 5th. In a centrifugal apparatus for separating other metals from molten argentiferous lead, the means for heating the revolvable containing vessel or receiver, and the stationary collectors, substantially as described.

No. 46,957. Friction Clutch. (*Embrayage à friction.*)

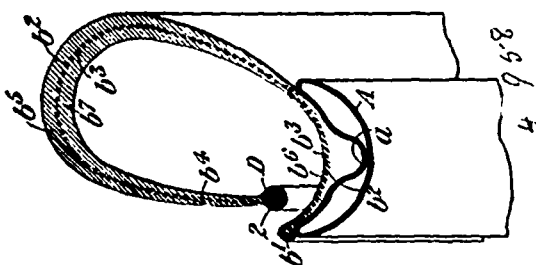


The Cole Manufacturing Company, assignee of Romanzo Bailey Priest, both of Laconia, New Hampshire, U.S.A., 5th September, 1894; 6 years.

Claim.—1st. In a friction clutch, in combination, a frusto-conical head fixed to one rotary part, a frusto-conical ring carried by another rotary part, and means for frictionally connecting said ring and head, substantially as and for the purpose described. 2nd. In a friction clutch, in combination, a frusto-conical head fixed to one rotary part, a frusto-conical ring carried by another rotary part, a sliding sleeve, and cam-levers for frictionally connecting said head and ring, substantially as and for the purpose described. 3rd. In a friction clutch, in combination, a frusto-conical head fixed to one rotary part, a disc fixed to another rotary part, a frusto-conical ring surrounding the periphery of said head and carried by said disc, but capable of longitudinal movement in respect thereto, and means including cam-levers for moving the ring into and out of frictional contact with said head, substantially as and for the purpose described. 4th. In a friction clutch, in combination, a frusto-conical head fixed to one rotary part, a disc fixed to another rotary part and confronting said head, a frusto-conical ring surrounding the periphery of said head, a sliding sleeve, cam-levers, bolts b^2 , springs a^4 , substantially as and for the purpose described. 5th. In a friction clutch, in combination, a frusto-conical head fixed to one rotary part, a frusto-conical ring carried by another rotary part, means for frictionally connecting said ring and head, an oil reservoir in the interior of said head, and apertures in the periphery of said head communicating with said reservoir, said apertures being closed with porous plugs, substantially as and for the purpose described. 6th. In a friction clutch, in combination, a frusto-conical head fixed to one rotary part, a disc fixed to another rotary part, a frusto-conical ring surrounding the periphery of said head, a sliding sleeve b^1 , and connections such as cam-levers between said sleeve and head, an oil reservoir a^4 , apertures a^2 , springs a^4 , bolts b^2 , substantially as and for the purpose described. 7th. In a friction clutch, in combination, a frusto-conical head fixed to one rotary part, a disc fixed to another rotary part, a frusto-conical ring surrounding the periphery of said head, a sliding sleeve b^1 , cam connections between said sleeve and head, stops x , substantially as and for the purpose described. 8th. In a friction clutch, in combination, a frusto-conical head fixed to one rotary part, a disc fixed to another rotary part, a frusto-conical ring surrounding the periphery of said head, a sliding sleeve b^1 , cam connections between said sleeve and head, bolts b^2 , and locking means x , substantially as and for the purpose described.

No. 46,958. Pneumatic Tire and Rim for Wheels.

(*Bandage pneumatique et jante de roues.*)



The Pneumatic Tire Company, Dublin, Ireland, assignee of Charles Kingston Welch, Coventry, England, 5th September, 1894; 6 years.

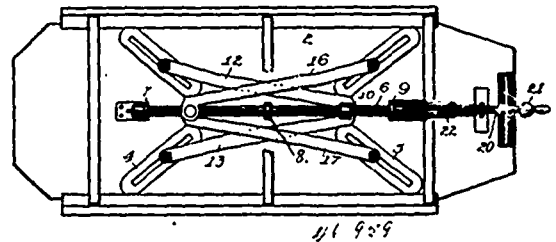
Claim.—1st. The combination, with a wheel rim of a pneumatic

tire detachably secured in position thereon by a single endless inextensible core placed inside the tire and detachable therewith. 2nd. The combination, with a pneumatic tire enclosing a single endless retaining core, of a rim having a central groove or depression of such depth as will admit of the removal of the tire. 3rd. The piece E , for joining the ends of the wires and constructed to allow the valve to pass therethrough, substantially as described for the purpose specified. 4th. For a wheel, a pneumatic tire which is not permanently tubular the two edges of said tire being lapped one over the other to form a circumferential lapped joint which is rendered air-tight by the pressure of air in the tire, and with or without a viscid substance introduced between said edges, and an inextensible endless core provided in one edge of the tire for securing the same to the wheel rim. 5th. A tire as described provided with a separate air tube enclosed therein, substantially as described. 6th. A pneumatic tire constructed and secured to a wheel rim, substantially as described.

No. 46,959. Casket Clamps for Hearse.

(*Emboiture de corbillard pour cercueils.*)

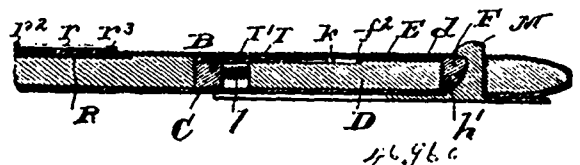
Fig. 1



George Frederick Baird, Austin, Minnesota, U.S.A., 5th September, 1894; 6 years.

Claim.—1st. In a hearse, the combination with the bottom thereof having slots converging from each corner toward the center line, of the stops working in said slots, the reverse screw shaft arranged longitudinally of the body intermediate of said stops, the blocks threaded upon said shaft, and the pair of arms connecting each of said blocks with the stop at the opposite end of the body, substantially as described. 2nd. In a hearse, the combination with the bottom of the body thereof having slots converging from the corners towards the center line, of the reverse screw shaft arranged on said center line, the journals for said shaft, the common supports for said journals, arranged to slide in line with said shaft, the blocks threaded upon said shaft, the stops working in said slots, and the arms connecting said blocks with said stops, substantially as described. 3rd. The combination with the hearse having slots converging from the corners toward the center line of the bottom of the body, of the reverse screw shaft mounted underneath said body along said center line, the longitudinally slidable journals for said shaft, the blocks threaded upon said shaft, stops working in said slots, and the arms connecting said blocks with the stops at the opposite ends of the hearse, substantially as described. 4th. In a hearse, the combination with the stops slidable toward and from the corners of the bottom of the body and the middle line thereof, of the reverse screw shaft arranged upon said middle line, the blocks threaded upon said shaft, the arms connecting said blocks with said stops, the journal support for said shaft slidable longitudinally thereof, the rack connected to said support, and the gear meshing with said rack and adapted to adjust the position of said journal support and screw shaft, substantially as described.

No. 46,960. Bag Lock. (*Serrure de sac.*)



Frederick Ernest Windsor, Warren, Pennsylvania, U.S.A., 5th September, 1894; 6 years.

Claim.—1st. In a lock, the combination with a spring actuated bolt, of a detent for engaging the casing and holding the bolt in its retracted position, and a trip for said detent having a movement longitudinally of said bolt independently of said bolt and detent, said trip projecting beyond the end of the keeper engaging end of the bolt, substantially as described. 2nd. In a lock, the combination with the spring actuated bolt, of a detent pivoted to said bolt for engaging the casing and holding the bolt in its retracted position, a trip carried by said bolt having a movement longitudinally of said bolt, independently of the bolt and detent, said trip projecting beyond the keeper engaging end of the bolt, substantially as de-