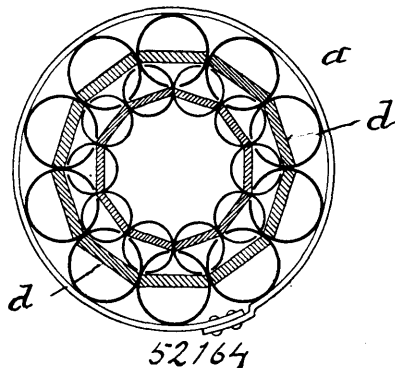
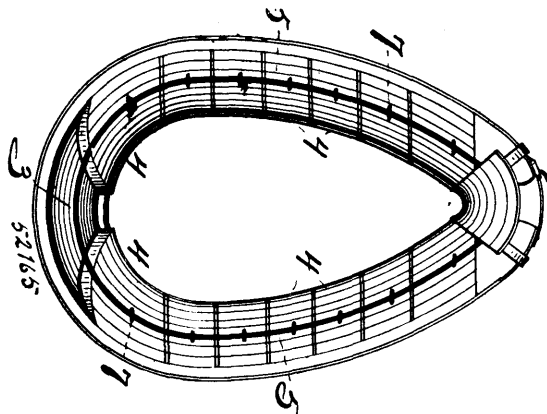


*Claim.*—1st. A structural arrangement consisting of a series of tubular vessels each having a longitudinal slot running lengthwise



of the tube, into which a second tube with a like longitudinal slot is inserted edgewise, and in its turn similarly receives a third tube, and so on the whole series of tubes being mutually interlocked, substantially as and for the purposes described. 2nd. A structural arrangement consisting of a series of longitudinally slotted and mutually interlocked tubes in combination with a hard setting material charged thereto, substantially as and for the purpose as hereinbefore described. 3rd. A structural arrangement consisting of a series of longitudinally slotted and interlocked tubes in combination with internal stiffeners extending across the full width of the tube, substantially as and for the purpose as hereinbefore described. 4th. In the system of construction of floors, walls, roofs, or the like structural parts as covered by the three previous claims, the modification that instead of single slotted tubes interlocking with each other are used a series of tubular vessels, substantially of the form illustrated in the drawings hereto annexed, which tubular vessels are connected together in rows or are otherwise arranged to be used as beam like elements of strength in combination with cement, concrete or the equivalents of these, substantially in the manner and for the purpose as hereinbefore described and illustrated by way of example in the several figures of the accompanying drawings. 5th. A construction more especially applicable to large roofs characterized by an upper and under series of tubular vessels of the forms illustrated in the drawings hereto annexed, which tubular vessels are connected together serpentine fashion along overlapping edges, substantially in the manner as hereinbefore described and illustrated in the accompanying drawings. 6th. A construction of floors, walls, roofs or the like structural parts, characterized by a series of tubular vessels of the forms illustrated in the drawings hereto annexed, which tubular vessels are furnished with lugs or ears, and are thereby secured to joists, beams or flooring boards, substantially as hereinbefore specified and illustrated by the way of example in the accompanying drawings. 7th. A construction of floors, walls, roofs, or the like structural parts characterized by a series of tubular vessels of the forms illustrated in the drawings, or other equivalent forms, which tubular vessels are interlocked tongue and groove fashion with flooring boards, cement, or with one another as hereinbefore described. 8th. The use of tubular vessels for the construction of staircases, substantially in the manner as hereinbefore described and illustrated.

**No. 52,165. Horse Collar. (Collier de cheval.)**



Oscar James Westfall, Fairmount, New York, U.S.A., 5th May, 1896; 6 years. (Filed 2nd April, 1896.)

*Claim.*—A horse-collar comprising a body, pad-sections placed thereon, bolts through the ends of said sections and through said body and retaining wires with which said bolts engage.

**No. 52,166. Frog for Railway Track.**

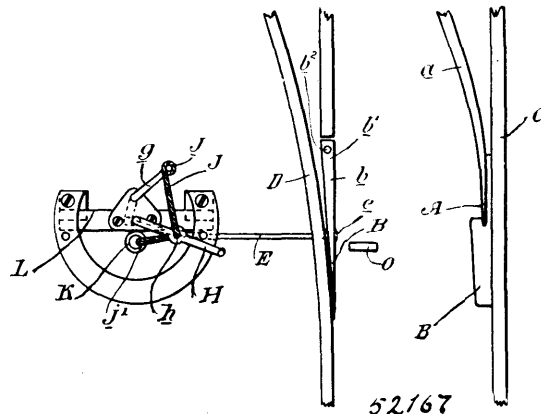
(*Traverse de rail de chemin de fer.*)



Uldarique Gilbeault, St. Isidore Junction, Quebec, Canada, 5th May, 1896; 6 years. (Filed 4th April, 1896.)

*Claim.*—In a frog the combination with a movable tongue having its heel suitably pivoted and its point pivoted to a lever of the first order which has its other extremity pivoted to the point of another movable tongue placed in the throat of the frog which also has its heel suitably pivoted, the ordinary wings A, A' and the tracks I and J, substantially as described and for the purposes set forth.

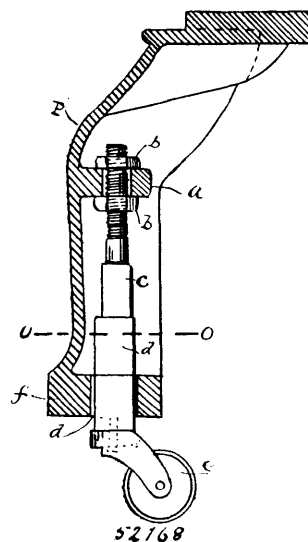
**No. 52,167. Split Switch. (Aiguille de chemin de fer.)**



Uldarique Gilbeault, St. Isidore Junction, Quebec, Canada, 5th May, 1896; 6 years. (Filed 4th April, 1896.)

*Claim.*—In a split switch the combination of one movable rail with the rod E, shaft g<sup>1</sup> having the cranks G and g, rope J, lever H, spring K, and a suitable switch stand, substantially as described and for the purposes set forth.

**No. 52,168. Stove-leg. (Pattes de poêles.)**



Jasper A. Partridge, Saylesville, Rhode Island, U.S.A., 5th May, 1896; 6 years. (Filed 4th April, 1896.)

*Claim.*—1st. A stove-leg having a perforated lug a projecting inwardly therefrom, and a bolt c fitting said perforation and adjustable therein by means of nuts, said bolt projecting downward through the bottom of the leg substantially as shown. 2nd. A stove-leg having a perforated lug projecting inwardly therefrom, and having also a flat foot with a square opening therein; a bolt having a square shank sliding in said square opening, the upper portion of said bolt passing through the perforation in said lug, and adjustable therein by means of the nuts b b', all in combination with a caster c, substantially as shown.