Canadian and similar petroleum, the same being composed of two or more of the oxidating oxides in a finely divided form, substantially as and for the purposes described. 4th. The herein described new composition for renewing or men the same being in a finely divided form or powder, composed of lead oxide in conjunction with the oxide of a metal whose affinity for sulphur is greater at a low temperature than is the affinity of lead therefor at such temperature, substantially as and for the purposes described. 5th. The sulphur compounds in Canadian and similar petroleum, the same being the roasted and oxidated sulphur compounds of one or more metals of the oxidating oxides and hydrocarbon in chemical combination or molecular union therewith, substantially as and for the removers of the oxidating oxides and hydrocarbon in chemical combination or molecular union therewith, substantially as and for the removers of the oxidating oxides and oxidated sulphur compounds of one or more metals of the oxidating oxides, in combination with a less active or inactive pulveralent substance, such as iron oxide, plaster or other refractory substance, such as iron oxide, plaster or other refractory substance, such as iron oxide, plaster or other refractory substance, such as iron oxide, plaster or other refractory substance, such as iron oxides, in chemical combination or more of the metals of the oxidating oxides, in ocentical control of the oxidating oxides, in ocentical control oxides, in chemical combination or more of the metals of the oxidating oxides, in ocentical control oxides, in chemical combination or or oxides, in chemical control oxides, and oxides, in chemical condition, sad composition being mandone or more of the metals of the oxidating oxides, together with hydrocarbon, substantially as and for the purposes described. Ith the horizon oxides, in chemical condition, and oxidiates, together with the oxide oxides, and the oxide oxides, and oxidiates oxides oxides oxides oxides oxides oxides oxides oxides oxides oxide

No. 37,272. Purification of Petroleum.

(Purification du pétrole.)

The Solar Refining Company, Lima, assignees of Herman Frasch, Cleveland, both in Ohio, U.S.A., 1st September, 1891; 5 years.

Claim.—1st. The process of purifying Lima and similar petroleums of the character described consisting in mixing the same with a of claim.—1st. Ine process of purifying Lima and similar performance of the character described, consisting in mixing the same with a metallic purificator, in divided particles, and maintaining a condition of agitation and suspension of the purificator in the oil under treatment, substantially as and for the purposes described. 2nd. The process of purifying Lima and similar petroleums of the character described, consisting in distilling the same with a metallic purificator in divided particles, and maintaining during the distillation a condition of agitation and suspension of the purificator in the oil, substantially as and for the purposes described. 3rd. The process of purifying Lima and similar petroleums of the character described, consisting in distilling the oil when mixed with a metallic purificator in finely divided particles in excess of the amount necessary to bind the sulphur contained in the charge of oil under treatment, removing from the still at the end of the distillation a portion only of the sedimentary residuum and adding thereto an amount of metallic purificator sufficient, with the unspent purificator remaining in the sedimentary residuum, to form a new charge for the next distillation, substantially as and for the purposes described.

No. 37,273. Art of Purifying Petroleum.

(Art de purifier le pétrole.)

The Solar Refining Company, Lima, assignees of Herman Frasch, Cleveland, both in Ohio, U.S.A., 1st September, 1891; 5 years.

The Solar Refining Company, Lima, assignees of Herman Frasch, Cleveland, both in Ohio, U.S.A., lat September, 1891; 5 years.

Claim.—1st. The process of preparing inodorous petroleum of the Canadian and Lima class, by treating the same in the liquid state with oxidating agents other than arsenic, substantially as described. 2nd. The process of deodorizing petroleum, undistilled and distillate, of the Canadian and Lima class, by treating the same in the liquid state with one or more of the following oxidating agents, towit, the oxides and decomposable salts of metals precipitable from their solutions by hydrogen sulphide and the highly oxidized decomposable compounds of metals and non-metals, substantially as described. 3rd. The process of deodorizing petroleum undistilled and distillate, of the Canadian and Lima class, by treating the same in the liquid state with solid oxidating agents, substantially as described. 4th. The process of deodorizing petroleum, undistilled and distillate, of the Canadian and Lima class, by treating the same in the liquid state with solid, dry oxidating agents, substantially as described. 5th. The process of deodorizing petroleum, undistilled and distillate, of the Canadian and Lima class, by treating the same in the liquid state, with solid anhydrous oxidating agents, substantially as described. 6th. The process of deodorizing petroleum, undistilled and distillate, of the Canadian and Lima class, by treating the same in a liquid state with solid, dry, anhydrous oxidating agents, substantially as described. 7th. The process of deodorizing petroleum, undistilled and distillate, of the Canadian and Lima class, by treating the same in the liquid state with non-alkaline oxidating agents, substantially as described. 8th. The process of deodorizing petroleum, undistilled or distillate, of the Canadian and Lima class, by treating the same in the liquid state, of the Canadian and Lima class, by treating the same in a liquid state, at an elevated temperate of about 400° F., with one or more

No. 37,274. Thill Coupling for Sleighs.

(Armon de limonière pour traineaux.)

Richard Eccles, Auburn, New York, U.S.A., 1st September, 1891; 5

Claim.—A thill coupling, comprising a bar vertically apertured and provided with transversely apertured and spaced ears, each extended to form a brace, one of which is curved upwardly and the other downwardly, substantially as described. 2nd. In a thill coupling, a bar having a flat top portion 13, vertically apertured at 14, and provided with the spaced collars 15, connected by the curved web 17, apertured at 18, and with the oppositely curved braces 19, and 20, projecting from the collars, substantially as herein shown and described.

No. 37,275. Draw Bar for Passenger Cars.

(Barre d'attelage pour chars de passager.)

David Wylie, Detroit, Michigan, U.S. A., 1st September, 1891; 5 years.

years.

Claim.—1st. In a draw-bar, the combination of the web, the hook jointedly engaged therewith, and a locking-pin constructed with an angular-shaped head extending angularly across the web at the rear of the hook, substantially as described. 2nd. In a draw-bar, the combination of a web provided with a tongue, a hook recessed to receive said tongue and jointedly engaged therewith, a headed locking pin engaged in the web at the rear of said hook, and an operating lever to raise the bolt, substantially as described. 3rd. In a draw-bar, the combination of a web, a hook jointedly engaged therewith and provided with a shoulder c², a locking-pin located in said web at the rear of said hook, and an operating lever connected with said pin, the construction and arrangement being such that when the bar is in an unlocked position said shoulder c² will ride under the head of said bolt and support the pin in a position to permit the coupling of the hook, substantially as set forth. 4th. In a draw-bar, the combination of the web, the swinging hook, the operating lever,