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1. Family 880085 (US3464714 A)

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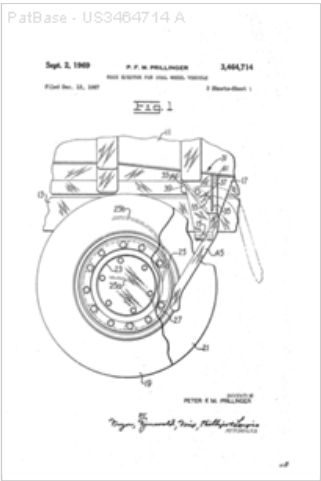
Title
[EN] ROCK EJECTOR FOR DUAL WHEEL VEHICLE

Abstract
[EN] (Claim 1) 1. In a dual wheeled vehicle, an ejector bar havin.an upper end fastened to a pivot point on the body of the vehicle behind the axis of the dual wheels, the bar extending downwardly and ending in a lower end normallymaintained in a position adjacent to but rearward of the axle housing of the dual wheels, an upper portion of the bar extending rearwardly from the pivot point and a lower portion of the bar extending foxwardly from the up l per portion in such a manner that the majority of the effective length of an ejector surface on the bar is maintained between the pivot point of the dual wheel axis.

International Class: B60S1/00; B60S1/68; B60S1/62; B62D25/18

Cooperative Patent Class: B60S1/68

US Class: 280/158; 280/855



Family Information

Patent Number	Publication Date	Application Number	Application Date
US3464714 A	19690902	US19670690199	19671213

Priority Numbers: US19670690199 [19671213]

Probable Patent Assignee: CATERPILLAR INC

Assignees: CATERPILLAR TRACTOR CO; CATERPILLAR INC

Inventors: PRILLINGER PETER F M

Non Std Inventors: PETER F M PRILLINGER; PETER FM PRILLINGER

2. Family 19731011 (US1771642 A)

[View in PatBase](#)

Title
[EN] TIRE SCRAPER

Abstract
[EN] 1. The aombinzmtion with the tire on the Wheel of avehicle, of a stopmember secilreal to Q1 Hxecd portion of the vehicle in spaced ref lation from the tii*e,'a, lever pivdtcd to a fixed portion of the vehiclé and adapted to strike said stop mémbcr \Vh€IL'f§hG lower and thereof is forwardly swung, a Scraper pivoted to the lower end of said levgr, resilient means secured ai one end to Said Stop member- , resilient means secured to an portion of said lever and to said scraper to normally force the scraper against Said tire, whereby said scraper will normally ac-C tg scrape dirt from said tire, but as an unusually hard obvstrucfciou on said hire strikes said scraper, said scrapér will swing upwardly about its pivo and said lever will swing rearwardly to permit the hixrd obstrltctiou to be carried past said spraper. '

International Class: B60S1/00; B60S1/68; B60B15/02

Cooperative Patent Class: B60S1/68

US Class: 280/855

Family Information

	Patent Number	Publication Date	Application Number	Application Date
	US1771642 A	19300729	US19280313034	19281017

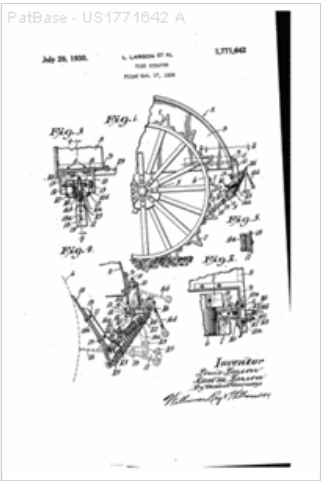
Priority Numbers: US19280313034 [19281017]

Probable Patent Assignee: LOUIS LARSON

Assignees: LOUIS LARSON; MILTON LARSON DANIEL

Inventors: LOUIS LARSON; MILTON LARSON DANIEL

Non Std Inventors: LARSON DANIEL MILTON; LARSON LOUIS



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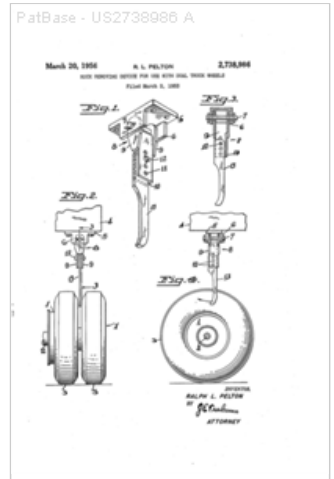
[EN] ROCK REMOVING DEVICE FOR USE WITH DUAL TRUCK WHEELS

[EN] (Claim 1) 1. In a rock removing device for use with dual vehicle wheels having dual pneumatic tires, a supporting member mounted on the vehicle, a debrising bar extending vertically between the dual tires, the said bar being pivotally mounted on the supporting member for rearward swinging movement and means mounted on the supporting member and arranged forwardly of a vertical plane passing longitudinally through the bar for preventing the bar from swinging forwardly beyond its vertical position.

International Class: B60S1/00; B60S1/68; B60B11/02

Cooperative Patent Class: B60S1/68

US Class: 280/856



	Patent Number	Publication Date	Application Number	Application Date
	US2738986 A	19560320	US19530339854	19530302

Priority Numbers: US19530339854 [19530302]

Probable Patent Assignee: PELTON RALPH L

Assignees: PELTON RALPH L

Inventors: PELTON RALPH L

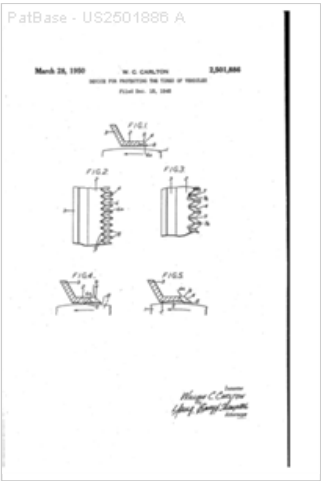
4. Family 21570168 (US2501886 A)

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Title
[EN] DEVICE FOR PROTECTING THE TIRES OF VEHICLES

Abstract
[EN] (Claim 1) 1. A clearing device for protecting tires of vehicle wheels comprising a blade member positioned to extend transversely of the outer periphery of a tire and having a proximate surface adapted to lie in close Proximity to the outer Perilaheral surface of the tire, and a remote surface inclined at an acute angle to said proximate surface and forming therewith an operative transverse edge positioned to be first engaged by elements picked up by the tire, said edge having indentations therein, the walls of which are chamfered to form an acute angle with the proximate surface so that the operative edge is thinned down throughout its entire eff ective length.

International Class: B60S1/00; B60S1/68
Cooperative Patent Class: B60S1/68
US Class: 15/236.08; 254/18; 280/855



Family Information

Patent Number	Publication Date	Application Number	Application Date
US2501886 A	19500328	US19460717018	19461218

Priority Numbers: US19460717018 [19461218]
Probable Patent Assignee: CHARLES CARLTON WILLIAM
Assignees: CHARLES CARLTON WILLIAM
Inventors: CHARLES CARLTON WILLIAM
Non Std Inventors: CARLTON WILLIAM CHARLES

5. Family 84153184 (WO21061700 A1)

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Title
[EN] ADJUSTABLE ROCK KNOCKER BRACKET

Abstract
[EN] A rock knocker bracket holds a rock ejector such as a chain or bar that is used to clear debris from the gap between two tires of a mining vehicle. The rock ejector is pivotally mounted on a horizontal, lateral pin that is held at both ends by side plates of the bracket. The pin has a series of holes formed along its length. Bar retainers and washers mounted on the pin allow the rock ejector to be moved laterally along the pin and thereby provide for different laterally spacing configurations of the tires. Fasteners pass through holes in the bar retainers and the holes in the pin to hold the rock ejector at a predetermined lateral location along the pin. Alternative designs for the pin and the bracket include other systems for laterally moving the rock ejector and mounting it in the predetermined lateral position.

International Class: B60S1/00; B60S1/62; B60S1/68

Cooperative Patent Class: B60S1/68; B60S1/00

Family Information

Patent Number	Publication Date	Application Number	Application Date
AU2020352529 AA	20220421	AU20200352529	20200923
CA3146590 AA	20220201	CA20203146590	20200923
CL2022000585 A1	20221202	CL20220000585	20220310
CO20220005024 A2	20220429	CO20220005024	20220421
MX2022003377 A1	20220525	MX20220003377	20200923
PE20220912 A1	20220530	PE20220000463	20200923
WO21061700 A1	20210401	WO2020US52105	20200923

Priority Numbers: US20190907429P [20190927]; WO2020US52105 [20200923]

Probable Patent Assignee: AUSTIN ENG USA SERVICES INC

Assignees: AUSTIN ENGINEERING USA SERVICES INC; AUSTIN ENG USA SERVICES INC

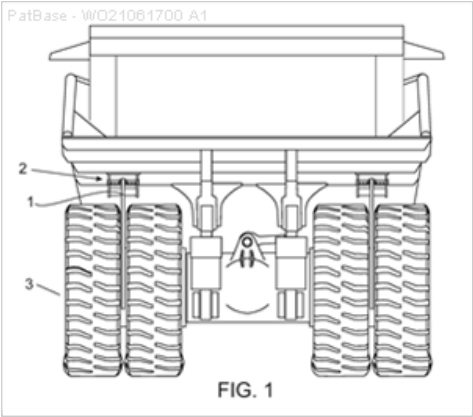
Non Std Assignees: REYNOLDS FREDERICK J; REYNOLDS SETH JOSEPH EARL

Inventors: REYNOLDS FREDERICK J; REYNOLDS SETH JOSEPH EARL; REYNOLDS FREDERICK; REYNOLDS SETH

Non Std Inventors: FREDERICK J REYNOLDS; SETH JOSEPH EARL REYNOLDS

Agent(s): IP GATEWAY PATENT AND TRADE MARK ATTORNEYS PTY LTD; WILSON LUE LLP; CLARKE MODET Y C DEGREES CHILE SPA; JORGE MIER Y CONCHA SEGURA; COLTER J HARRISON

Designated States: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BE; BF; BG; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CH; CI; CL; CM; CN; CO; CR; CU; CY; CZ; DE; DJ; DK; DM; DO; DZ; EC; EE; EG; ES; FI; FR; GA; GB; GD; GE; GH; GM; GN; GQ; GR; GT; GW; HN; HR; HU; ID; IE; IL; IN; IR; IS; IT; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MC; MD; ME; MG; MK; ML; MN; MR; MT; MW; MX; MY; MZ; NA; NE; NG; NI; NL; NO; NZ; OM; PA; PE; PG; PH; PL; PT; QA; RO; RS; RU; RW; SA; SC; SD; SE; SG; SI; SK; SL; SM; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; WS; ZA; ZM; ZW



6. Family 22985703 (US1933679 A)

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Title
[EN] TRACTOR WHEEL SCRAPER

Abstract
[EN] 1. In a structure of the class described, an attaching bracket of angular cross sectional shape including a slotted attaching flange for adjustable connection to a fender together with a pair of spaced supporting flanges, said supporting flanges being provided with bearings, a channelshaped guide and carrier provided intermediate its ends with a pintle pin rockably mounted in said bearings, a bolt attached to the upper end of the carrier and slidably connected at its opposite end with a retaining element on said bracket, a coil spring surrounding the bolt interposed between the retaining element and carrier for cushioning the carrier, the Web portion of said carrier being formed with an opening, a spring pressed latch including a laterally directed end portion projectible through said opening, the lower end portion of said carrier being provided with a cross pin, an elongated strip of metal constituting a scraping blade having a rib on its intermediate portion engageable with said cross pin and having its upper end portion releasably engagable with said latch and its lower end portion arranged for co-operation with the tread of a wheel.

International Class: B60S1/00; B60S1/68; A01B23/06

Cooperative Patent Class: B60S1/68

US Class: 172/610; 280/855; 404/129

Family Information

	Patent Number	Publication Date	Application Number	Application Date
	US1933679 A	19331107	US19320618032	19320618

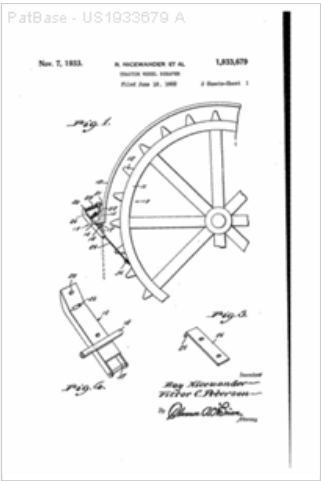
Priority Numbers: US19320618032 [19320618]

Probable Patent Assignee: PETERSON VICTOR C

Assignees: PETERSON VICTOR C; ROY NICEWANDER

Inventors: PETERSON VICTOR C; ROY NICEWANDER

Non Std Inventors: NICEWANDER ROY

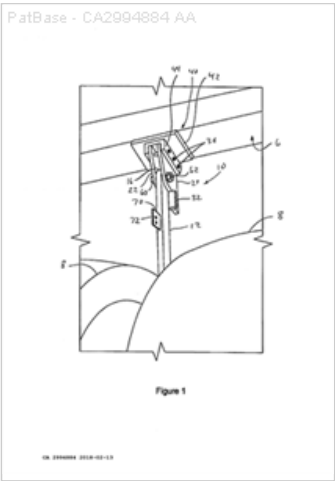


7. Family 75588183 (CA2994884 AA)

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Title
[EN] DUAL TIRE DEBRIS CLEANER

Abstract
[EN] An apparatus for clearing debris from between tires of a vehicle comprises a mounting base securable to an underside of a vehicle at a location above a pair of dual tires, a bracket securable the mounting base and a rigid bar pivotably suspended from the bracket so as to have a free distal end suspended between the pair of tires.
International Class: B60S1/68; B62D61/00
Cooperative Patent Class: B60S1/68



Family Information

Patent Number	Publication Date	Application Number	Application Date
CA2994884 AA	20190813	CA20182994884	20180213

Priority Numbers: CA20182994884 [20180213]
Assignees: UJIYE TREVOR; UJIYE MICHAEL
Inventors: UJIYE TREVOR; UJIYE MICHAEL
Agent(s): OKIMAW RICHARD D

8. Family 21282913 (US2151256 A)

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Title
[EN] WHEEL SCRAPER

Abstract
[EN] 1. In a wheel scraper, a bar, a stock hingedly connected to the bar, a scraper blade connected to the other end of the stock, arms having their corresponding ends secured to the bar, a yoke pivotally carried at the other ends of said arms, a guard, one end of which is slidably carried by the yoke and rockable therewith. links pivotally connecting said guard and stock near the free ends thereof as means to move the corresponding free ends of said guard and blade to close engagement with each other when the guard is moved longitudinally, a spring connecting the guard and stock as retracting means for the guard separating said free ends thereof, a spring secured to said bar and said stock as tensioning means for the blade and guard simultaneously toward the rim of a wheel,

International Class: B60S1/00; B60S1/68; A01B23/06

Cooperative Patent Class: B60S1/68

US Class: 280/855

Family Information

Patent Number	Publication Date	Application Number	Application Date
US2151256 A	19390321	US19380199531	19380401

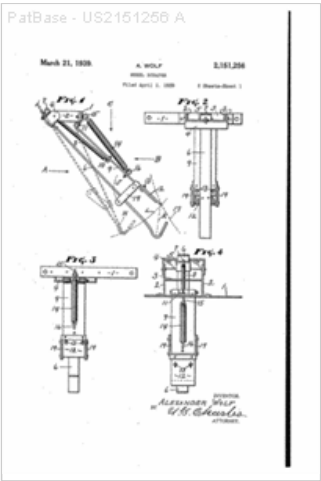
Priority Numbers: US19380199531 [19380401]

Probable Patent Assignee: ALEXANDER WOLF

Assignees: ALEXANDER WOLF

Inventors: ALEXANDER WOLF

Non Std Inventors: WOLF ALEXANDER



9. Family 21954165 (US2799515 A)

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Title
[EN] ROCK DEFLECTOR FOR DUAL WHEELS

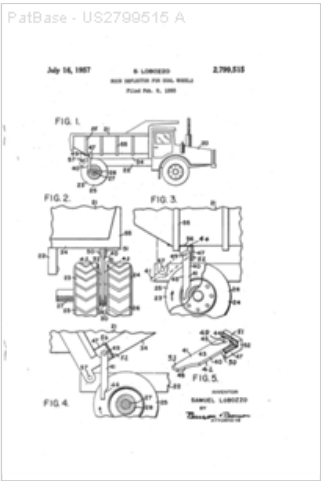
Abstract
[EN] (Claim 1) 1. In combination with a dual wheel vehicle having a dump body non resiliently mounted on a chassis for carrying heavy loads, a Ushaped bracket affixed to the under portion of said dump body, above the level of a pair of dual wheels, the legs of said bracket extending longitudinally of said vehicle, a single pivot pin extending laterally between the legs of said bracket and a heavy, elongated,. bar having its upper end pivotary supported on said pivot pin, between said legs, for swinging onlylongitudinally of said vehicle and having its lower end in rear of, and at the level of the axis of rotation of said dual wheels, said bar hanging plumb below said bracket when said dump body is lifted and being swingable rearwardly for the removal of a tire.

International Class: B60S1/00; B60S1/68; B60B11/02
Cooperative Patent Class: B60S1/68
US Class: 280/855; 280/856

Family Information

Patent Number	Publication Date	Application Number	Application Date
US2799515 A	19570716	US19550487052	19550209

Priority Numbers: US19550487052 [19550209]
Probable Patent Assignee: SAMUEL LOBOZZO
Assignees: SAMUEL LOBOZZO
Inventors: SAMUEL LOBOZZO
Non Std Inventors: LOBOZZO SAMUEL



10. Family 32475858 (US2005269877 AA)

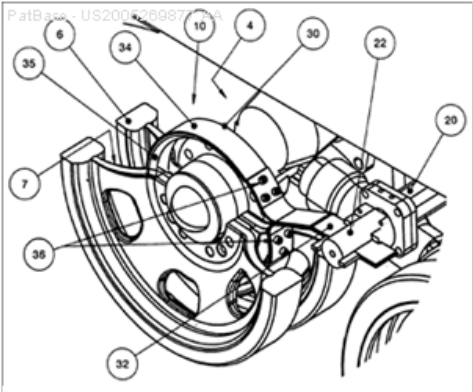
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Title

[EN] DEVICE TO REDUCE THE ACCUMULATION OF SNOW AND OTHER DEBRIS IN THE WHEELS OF TRACKED VEHICLES

Abstract

[EN] This invention relates to a device to reduce and preferably avoid the accumulation of snow, ice, mud, soil and other debris in the idler and/or sprocket wheels of tracked vehicles. The device comprises a support adjustably associated with the tracked vehicle and having a fastening located about the track wheel, a band having a connecting part customized to be adjustably secured by the fastening into position about the track wheel and a collar part freely extending from the connecting part and at least partially embracing the wheel for remaining in a constant slipping contact or near contact with at least part of the wheel to reduce the packing of snow, ice, mud, soil or other debris in the idler and/or sprocket wheels.



International Class: B60S1/62; B60S1/68; B62D55/088; B60S1/00; B62D55/08; B62D55/14; B60B19/02; B62D25/16

Cooperative Patent Class: B60S1/68; B62D55/088; B62D55/0882; B62D55/14

US Class: 280/855; 305/107; 305/110; 305/107P; 305/110S

Family Information

	Patent Number	Publication Date	Application Number	Application Date
	AT498537 E	20110315	AT20050749836T	20050601
	CA2470553 AA	20051209	CA20042470553	20040609
	CA2504051 AA	20051209	CA20052504051	20050411
	CA2504051 C	20121002	CA20052504051	20050411
	DE602005026385 D1	20110331	DE200560026385T	20050601
	DK1765660 T3	20110516	DK20050749836T	20050601
	EP1765660 A1	20070328	EP20050749836	20050601
	EP1765660 A4	20080618	EP20050749836	20050601
	EP1765660 B1	20110216	EP20050749836	20050601
	ES2361158 T3	20110614	ES20050749836T	20050601
	NO20066053 A	20070308	NO20060006053	20061229
	NO20066053 L	20070308	NO20060006053	20061229
	NO329552 B1	20101108	NO20060006053	20061229
	US2005269877 AA	20051208	US20050142697	20050602
	US2008164754 AA	20080710	US20070942469	20071119
	US7591515 BB	20090922	US20070942469	20071119
	WO05120937 A1	20051222	WO2005CA00839	20050601

Priority Numbers: CA20042470553 [20040609]; CA20052504051 [20050411]; WO2005CA00839 [20050601]; CA20042504051 [20040411]; US20050142697 [20050602]; US20070942469 [20071119]

Probable Patent Assignee: SOUCY INT INC

Assignees: SOUCY INT INC; VERVILLE LOUIS JAMES; BRETON REMI; SOUCY INT

Non Std Assignees: SOUCY INTERNATIONAL INC

Inventors: VERVILLE LOUIS JAMES; BRETON REMI

Agent(s): BROUILLETTE AND ASSOCIES PARTNERS; BCF LLP; VUILLERMOZ BRUNO; CABINET LAURENT AND CHARRAS LE CONTEMPORAIN 50; ROBERT BROUILLETTE BROUILLETTE AND PARTNERS; ROBERT BROUILLETTE; BROUILLETTE AND PARTNERS; BROUILLETTE AND PARTNERS; BROUILLETTE AND PARTNERS LLP; ROBERT

Designated States: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LI; LT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR; AE; AG; AL; AM; AU; AZ; BA; BB; BF; BJ; BR; BW; BY; BZ; CA; CF; CG; CI; CM; CN; CO; CR; CU; DM; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GW; HR; ID; IL; IN; JP; KE; KG; KM; KP; KR; KZ; LC; LK; LR; LS; LV; MA; MD; MG; MK; ML; MN; MR; MW; MX; MZ; NA; NE; NG; NI; NO; NZ; OM; PG; PH; RU; SC; SD; SG; SL; SM; SN; SY; SZ; TD; TG; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW