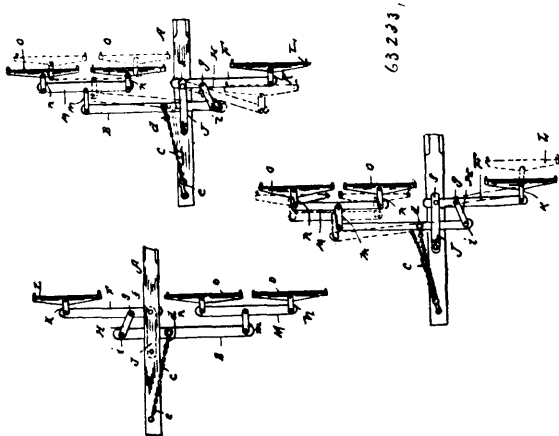


Claim.—1st. In a fence, the combination with posts and runners, of a series of adjustable runner clamps mounted on said posts and each consisting of a sleeve having at one side a thick extension with a screw threaded opening extending therethrough and communicating with the opening through the sleeve, the said sleeve directly opposite the extension at the upper edge also formed with an upwardly projecting lip having an inner concave runner groove and thinner at the base than at the upper termination, other sleeves mounted at varying elevations on adjacent posts, one of the latter sleeves having a downwardly extending tapered arm and the other an upwardly projecting similar arm, and a diagonally disposed tubular brace having its ends engaged by and jammed upon the thickened part of said arms.

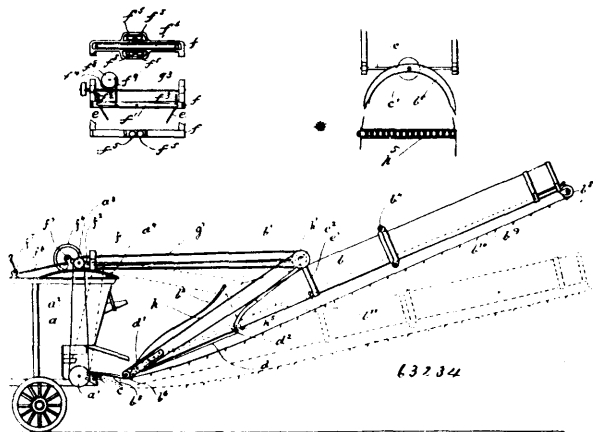
No. 63,233. Draft Equalizer. (*Régulateur du tirage.*)



Charles A. Lee, Esbon, Kansas, U.S.A., 10th June, 1899; 6 years. (Filed 16th March, 1899.)

Claim.—1st. In a draft equalizer, the combination with a draft pole or tongue, of a long lever arranged mainly at one side thereof and having its inner end projecting to the opposite side, said lever being supported from the pole and adapted to have a limited compensating movement transversely thereof, a short lever pivoted at its inner end to the tongue, and a compensating link normally arranged at an angle to and pivotally connecting the inner ends of said levers, substantially as described. 2nd. In a three-gorse draft equalizer, the combination of a pole or tongue, a long lever arranged mainly at one side but having its inner end projecting to the opposite side thereof, said lever being adapted to have a slight transverse compensating movement, a chain secured at its rear end to the tongue and at its front end to said lever, a short lever on the opposite side of the tongue and pivoted at its inner end thereto, and a compensating link pivotally connecting the inner ends of said levers, and said link being normally arranged at an angle thereto, substantially as described.

No. 63,234. Straw Carrier. (*Monte-paille.*)



Magnus Johnson, South Cypress, Manitoba, Canada, 10th June, 1899; 6 years. (Filed 14th April, 1899.)

Claim.—1st. A straw carrier which automatically stacks the straw and separates the chaff therefrom, having an adjustable tube attachable to an ordinary separator provided with pulleys, cords and rollers which convey the straw to the mouth of the said tube and separate the chaff therefrom, depositing it upon the ground,

substantially as specified. 2nd. A straw carrier having the pulley a^1 attached to an ordinary separator, band a^2 , pulley a^3 secured to shaft g^3 , which is journaled on the frame or carriage f resting on the arc shaped tracks a^4 , a^5 , the tube b , with cone shaped enlargement b^1 , oblique opening b^2 , with lips b^3 , b^4 , hinge b^5 , semi-circular tongue b^6 , pulley b^7 , shaft b^8 , revolving drum b^9 , spur chains b^{10} , b^{11} , b^{12} , b^{13} , b^{14} , b^{15} , b^{16} , b^{17} , b^{18} , b^{19} , b^{20} , b^{21} , b^{22} , b^{23} , b^{24} , b^{25} , b^{26} , b^{27} , b^{28} , b^{29} , b^{30} , b^{31} , b^{32} , b^{33} , b^{34} , b^{35} , b^{36} , b^{37} , b^{38} , b^{39} , b^{40} , b^{41} , b^{42} , b^{43} , b^{44} , b^{45} , b^{46} , b^{47} , b^{48} , b^{49} , b^{50} , b^{51} , b^{52} , b^{53} , b^{54} , b^{55} , b^{56} , b^{57} , b^{58} , b^{59} , b^{60} , b^{61} , b^{62} , b^{63} , b^{64} , b^{65} , b^{66} , b^{67} , b^{68} , b^{69} , b^{70} , b^{71} , b^{72} , b^{73} , b^{74} , b^{75} , b^{76} , b^{77} , b^{78} , b^{79} , b^{80} , b^{81} , b^{82} , b^{83} , b^{84} , b^{85} , b^{86} , b^{87} , b^{88} , b^{89} , b^{90} , b^{91} , b^{92} , b^{93} , b^{94} , b^{95} , b^{96} , b^{97} , b^{98} , b^{99} , b^{100} , spurs b^{101} , roller b^{102} , pulleys b^{103} , b^{104} , b^{105} , b^{106} , b^{107} , b^{108} , b^{109} , b^{110} , b^{111} , b^{112} , b^{113} , b^{114} , b^{115} , b^{116} , b^{117} , b^{118} , b^{119} , b^{120} , b^{121} , b^{122} , b^{123} , b^{124} , b^{125} , b^{126} , b^{127} , b^{128} , b^{129} , b^{130} , b^{131} , b^{132} , b^{133} , b^{134} , b^{135} , b^{136} , b^{137} , b^{138} , b^{139} , b^{140} , b^{141} , b^{142} , b^{143} , b^{144} , b^{145} , b^{146} , b^{147} , b^{148} , b^{149} , b^{150} , b^{151} , b^{152} , b^{153} , b^{154} , b^{155} , b^{156} , b^{157} , b^{158} , b^{159} , b^{160} , b^{161} , b^{162} , b^{163} , b^{164} , b^{165} , b^{166} , b^{167} , b^{168} , b^{169} , b^{170} , b^{171} , b^{172} , b^{173} , b^{174} , b^{175} , b^{176} , b^{177} , b^{178} , b^{179} , b^{180} , b^{181} , b^{182} , b^{183} , b^{184} , b^{185} , b^{186} , b^{187} , b^{188} , b^{189} , b^{190} , b^{191} , b^{192} , b^{193} , b^{194} , b^{195} , b^{196} , b^{197} , b^{198} , b^{199} , b^{200} , b^{201} , b^{202} , b^{203} , b^{204} , b^{205} , b^{206} , b^{207} , b^{208} , b^{209} , b^{210} , b^{211} , b^{212} , b^{213} , b^{214} , b^{215} , b^{216} , b^{217} , b^{218} , b^{219} , b^{220} , b^{221} , b^{222} , b^{223} , b^{224} , b^{225} , b^{226} , b^{227} , b^{228} , b^{229} , b^{230} , b^{231} , b^{232} , b^{233} , b^{234} , b^{235} , b^{236} , b^{237} , b^{238} , b^{239} , b^{240} , b^{241} , b^{242} , b^{243} , b^{244} , b^{245} , b^{246} , b^{247} , b^{248} , b^{249} , b^{250} , b^{251} , b^{252} , b^{253} , b^{254} , b^{255} , b^{256} , b^{257} , b^{258} , b^{259} , b^{260} , b^{261} , b^{262} , b^{263} , b^{264} , b^{265} , b^{266} , b^{267} , b^{268} , b^{269} , b^{270} , b^{271} , b^{272} , b^{273} , b^{274} , b^{275} , b^{276} , b^{277} , b^{278} , b^{279} , b^{280} , b^{281} , b^{282} , b^{283} , b^{284} , b^{285} , b^{286} , b^{287} , b^{288} , b^{289} , b^{290} , b^{291} , b^{292} , b^{293} , b^{294} , b^{295} , b^{296} , b^{297} , b^{298} , b^{299} , b^{300} , b^{301} , b^{302} , b^{303} , b^{304} , b^{305} , b^{306} , b^{307} , b^{308} , b^{309} , b^{310} , b^{311} , b^{312} , b^{313} , b^{314} , b^{315} , b^{316} , b^{317} , b^{318} , b^{319} , b^{320} , b^{321} , b^{322} , b^{323} , b^{324} , b^{325} , b^{326} , b^{327} , b^{328} , b^{329} , b^{330} , b^{331} , b^{332} , b^{333} , b^{334} , b^{335} , b^{336} , b^{337} , b^{338} , b^{339} , b^{340} , b^{341} , b^{342} , b^{343} , b^{344} , b^{345} , b^{346} , b^{347} , b^{348} , b^{349} , b^{350} , b^{351} , b^{352} , b^{353} , b^{354} , b^{355} , b^{356} , b^{357} , b^{358} , b^{359} , b^{360} , b^{361} , b^{362} , b^{363} , b^{364} , b^{365} , b^{366} , b^{367} , b^{368} , b^{369} , b^{370} , b^{371} , b^{372} , b^{373} , b^{374} , b^{375} , b^{376} , b^{377} , b^{378} , b^{379} , b^{380} , b^{381} , b^{382} , b^{383} , b^{384} , b^{385} , b^{386} , b^{387} , b^{388} , b^{389} , b^{390} , b^{391} , b^{392} , b^{393} , b^{394} , b^{395} , b^{396} , b^{397} , b^{398} , b^{399} , b^{400} , b^{401} , b^{402} , b^{403} , b^{404} , b^{405} , b^{406} , b^{407} , b^{408} , b^{409} , b^{410} , b^{411} , b^{412} , b^{413} , b^{414} , b^{415} , b^{416} , b^{417} , b^{418} , b^{419} , b^{420} , b^{421} , b^{422} , b^{423} , b^{424} , b^{425} , b^{426} , b^{427} , b^{428} , b^{429} , b^{430} , b^{431} , b^{432} , b^{433} , b^{434} , b^{435} , b^{436} , b^{437} , b^{438} , b^{439} , b^{440} , b^{441} , b^{442} , b^{443} , b^{444} , b^{445} , b^{446} , b^{447} , b^{448} , b^{449} , b^{450} , b^{451} , b^{452} , b^{453} , b^{454} , b^{455} , b^{456} , b^{457} , b^{458} , b^{459} , b^{460} , b^{461} , b^{462} , b^{463} , b^{464} , b^{465} , b^{466} , b^{467} , b^{468} , b^{469} , b^{470} , b^{471} , b^{472} , b^{473} , b^{474} , b^{475} , b^{476} , b^{477} , b^{478} , b^{479} , b^{480} , b^{481} , b^{482} , b^{483} , b^{484} , b^{485} , b^{486} , b^{487} , b^{488} , b^{489} , b^{490} , b^{491} , b^{492} , b^{493} , b^{494} , b^{495} , b^{496} , b^{497} , b^{498} , b^{499} , b^{500} , b^{501} , b^{502} , b^{503} , b^{504} , b^{505} , b^{506} , b^{507} , b^{508} , b^{509} , b^{510} , b^{511} , b^{512} , b^{513} , b^{514} , b^{515} , b^{516} , b^{517} , b^{518} , b^{519} , b^{520} , b^{521} , b^{522} , b^{523} , b^{524} , b^{525} , b^{526} , b^{527} , b^{528} , b^{529} , b^{530} , b^{531} , b^{532} , b^{533} , b^{534} , b^{535} , b^{536} , b^{537} , b^{538} , b^{539} , b^{540} , b^{541} , b^{542} , b^{543} , b^{544} , b^{545} , b^{546} , b^{547} , b^{548} , b^{549} , b^{550} , b^{551} , b^{552} , b^{553} , b^{554} , b^{555} , b^{556} , b^{557} , b^{558} , b^{559} , b^{560} , b^{561} , b^{562} , b^{563} , b^{564} , b^{565} , b^{566} , b^{567} , b^{568} , b^{569} , b^{570} , b^{571} , b^{572} , b^{573} , b^{574} , b^{575} , b^{576} , b^{577} , b^{578} , b^{579} , b^{580} , b^{581} , b^{582} , b^{583} , b^{584} , b^{585} , b^{586} , b^{587} , b^{588} , b^{589} , b^{590} , b^{591} , b^{592} , b^{593} , b^{594} , b^{595} , b^{596} , b^{597} , b^{598} , b^{599} , b^{600} , b^{601} , b^{602} , b^{603} , b^{604} , b^{605} , b^{606} , b^{607} , b^{608} , b^{609} , b^{610} , b^{611} , b^{612} , b^{613} , b^{614} , b^{615} , b^{616} , b^{617} , b^{618} , b^{619} , b^{620} , b^{621} , b^{622} , b^{623} , b^{624} , b^{625} , b^{626} , b^{627} , b^{628} , b^{629} , b^{630} , b^{631} , b^{632} , b^{633} , b^{634} , b^{635} , b^{636} , b^{637} , b^{638} , b^{639} , b^{640} , b^{641} , b^{642} , b^{643} , b^{644} , b^{645} , b^{646} , b^{647} , b^{648} , b^{649} , b^{650} , b^{651} , b^{652} , b^{653} , b^{654} , b^{655} , b^{656} , b^{657} , b^{658} , b^{659} , b^{660} , b^{661} , b^{662} , b^{663} , b^{664} , b^{665} , b^{666} , b^{667} , b^{668} , b^{669} , b^{670} , b^{671} , b^{672} , b^{673} , b^{674} , b^{675} , b^{676} , b^{677} , b^{678} , b^{679} , b^{680} , b^{681} , b^{682} , b^{683} , b^{684} , b^{685} , b^{686} , b^{687} , b^{688} , b^{689} , b^{690} , b^{691} , b^{692} , b^{693} , b^{694} , b^{695} , b^{696} , b^{697} , b^{698} , b^{699} , b^{700} , b^{701} , b^{702} , b^{703} , b^{704} , b^{705} , b^{706} , b^{707} , b^{708} , b^{709} , b^{710} , b^{711} , b^{712} , b^{713} , b^{714} , b^{715} , b^{716} , b^{717} , b^{718} , b^{719} , b^{720} , b^{721} , b^{722} , b^{723} , b^{724} , b^{725} , b^{726} , b^{727} , b^{728} , b^{729} , b^{730} , b^{731} , b^{732} , b^{733} , b^{734} , b^{735} , b^{736} , b^{737} , b^{738} , b^{739} , b^{740} , b^{741} , b^{742} , b^{743} , b^{744} , b^{745} , b^{746} , b^{747} , b^{748} , b^{749} , b^{750} , b^{751} , b^{752} , b^{753} , b^{754} , b^{755} , b^{756} , b^{757} , b^{758} , b^{759} , b^{760} , b^{761} , b^{762} , b^{763} , b^{764} , b^{765} , b^{766} , b^{767} , b^{768} , b^{769} , b^{770} , b^{771} , b^{772} , b^{773} , b^{774} , b^{775} , b^{776} , b^{777} , b^{778} , b^{779} , b^{780} , b^{781} , b^{782} , b^{783} , b^{784} , b^{785} , b^{786} , b^{787} , b^{788} , b^{789} , b^{790} , b^{791} , b^{792} , b^{793} , b^{794} , b^{795} , b^{796} , b^{797} , b^{798} , b^{799} , b^{800} , b^{801} , b^{802} , b^{803} , b^{804} , b^{805} , b^{806} , b^{807} , b^{808} , b^{809} , b^{810} , b^{811} , b^{812} , b^{813} , b^{814} , b^{815} , b^{816} , b^{817} , b^{818} , b^{819} , b^{820} , b^{821} , b^{822} , b^{823} , b^{824} , b^{825} , b^{826} , b^{827} , b^{828} , b^{829} , b^{830} , b^{831} , b^{832} , b^{833} , b^{834} , b^{835} , b^{836} , b^{837} , b^{838} , b^{839} , b^{840} , b^{841} , b^{842} , b^{843} , b^{844} , b^{845} , b^{846} , b^{847} , b^{848} , b^{849} , b^{850} , b^{851} , b^{852} , b^{853} , b^{854} , b^{855} , b^{856} , b^{857} , b^{858} , b^{859} , b^{860} , b^{861} , b^{862} , b^{863} , b^{864} , b^{865} , b^{866} , b^{867} , b^{868} , b^{869} , b^{870} , b^{871} , b^{872} , b^{873} , b^{874} , b^{875} , b^{876} , b^{877} , b^{878} , b^{879} , b^{880} , b^{881} , b^{882} , b^{883} , b^{884} , b^{885} , b^{886} , b^{887} , b^{888} , b^{889} , b^{890} , b^{891} , b^{892} , b^{893} , b^{894} , b^{895} , b^{896} , b^{897} , b^{898} , b^{899} , b^{900} , b^{901} , b^{902} , b^{903} , b^{904} , b^{905} , b^{906} , b^{907} , b^{908} , b^{909} , b^{910} , b^{911} , b^{912} , b^{913} , b^{914} , b^{915} , b^{916} , b^{917} , b^{918} , b^{919} , b^{920} , b^{921} , b^{922} , b^{923} , b^{924} , b^{925} , b^{926} , b^{927} , b^{928} , b^{929} , b^{930} , b^{931} , b^{932} , b^{933} , b^{934} , b^{935} , b^{936} , b^{937} , b^{938} , b^{939} , b^{940} , b^{941} , b^{942} , b^{943} , b^{944} , b^{945} , b^{946} , b^{947} , b^{948} , b^{949} , b^{950} , b^{951} , b^{952} , b^{953} , b^{954} , b^{955} , b^{956} , b^{957} , b^{958} , b^{959} , b^{960} , b^{961} , b^{962} , b^{963} , b^{964} , b^{965} , b^{966} , b^{967} , b^{968} , b^{969} , b^{970} , b^{971} , b^{972} , b^{973} , b^{974} , b^{975} , b^{976} , b^{977} , b^{978} , b^{979} , b^{980} , b^{981} , b^{982} , b^{983} , b^{984} , b^{985} , b^{986} , b^{987} , b^{988} , b^{989} , b^{990} , b^{991} , b^{992} , b^{993} , b^{994} , b^{995} , b^{996} , b^{997} , b^{998} , b^{999} , b^{1000} , b^{1001} , b^{1002} , b^{1003} , b^{1004} , b^{1005} , b^{1006} , b^{1007} , b^{1008} , b^{1009} , b^{1010} , b^{1011} , b^{1012} , b^{1013} , b^{1014} , b^{1015} , b^{1016} , b^{1017} , b^{1018} , b^{1019} , b^{1020} , b^{1021} , b^{1022} , b^{1023} , b^{1024} , b^{1025} , b^{1026} ,