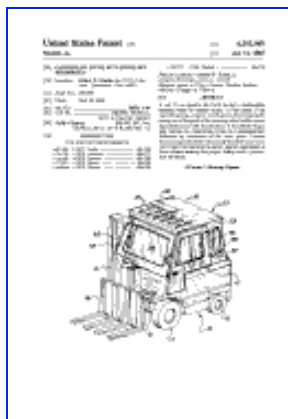


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Cab for lift truck with swing out

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Abstract

A cab for an electric lift truck having a displaceable steering wheel for battery access. A front panel of the cab is hinged in a manner which allows it to temporarily swing out of the path of the steering wheel while avoiding interference with the lift mast. A windshield wiper unit carried on a fixed area of the cab is automatically deflected by movement of the front panel. Various doors and panels of the cab are lap mounted over vertical corner post elements to permit limited adjustment of their relative spacing for proper fitting with a production lift truck.

Patent number: 4392669**Filing date:** Oct 24, 1980**Issue date:** Jul 12, 1983**Inventors:** Robert P. Martin, Jr.**Primary Examiner:** John A. Carroll

U.S. Classification

[280/775](#); [180/891.2](#); [187/9R](#); [296/190](#); [296/201](#)

International Classification

B62D 118

Claims

What is claimed is:

1. In combination a lift truck having a mast at its front end and a steering wheel disposed rearwardly of the mast and movably mounted for displacement along a path from a rearward operational position to a temporary forward clearance position, a cab having a structure for protecting a driver seated rearwardly of the operational position of the steering wheel, said cab structure including a forward face having a windshield, the forward face extending in a plane generally upright and from side to side of the truck, said forward cab face including a movable panel carrying said windshield, generally vertical hinge means on said cab structure supporting said movable panel for pivotal movement about a generally vertical axis between a normal position and an extended position, said movable panel in said normal position having a portion proximate to said steering wheel extending across said path and in said extended position having said proximate portion disposed forwardly of said steering wheel clearance position, whereby said steering wheel is free of obstruction by said panel in its movement from said operational position to said clearance position, the hinge means being so constructed and disposed to cause said movable panel to swing between said normal position and extended position without interference with the mast when the mast is in a generally vertical position.
2. The combination as set forth in claim 1, wherein said hinge means is disposed on a corner of said cab formed at the intersection of the forward face and a side face of said cab most distant from said steering wheel.
3. The combination as set forth in claim 2, wherein said hinge means pivot axis is canted slightly to the rear of the cab whereby said movable panel is biased by gravity from its extended position to its normal position.
4. The combination as set forth in claim 3, including means to releasably hold said movable panel in its extended position against the influence of gravity.
5. The combination as set forth in claim 4, including handle means on the exterior of the movable panel on an edge thereof opposite said hinge means.
6. The combination as set forth in claim 1, including a wiper unit mounted on a stationary area of said cab, said wiper unit including a wiper arm assembly for servicing said windshield and a motor for oscillating said

Search within this patent

Citations

Patent Number	Title	Issue date
4007958	Pivoted window for cab of motor	Feb 15, 1977

	vehicle	
4114719	Dash console access enabling tilting steering column	Sep 19, 1978
4116483	Window for vehicle cabs, especially for vehicles employed in agriculture and in construction	Sep 26, 1978
4133574	Guard-cab for cold room	Jan 9, 1979
4144614	Windshield wiper drive system	Mar 20, 1979
4184712	Enclosure mechanism for roll over protective structure	Jan 22, 1980

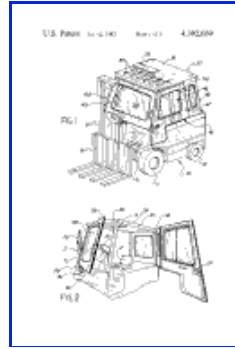
arm, said wiper unit including pivot means allowing said arm to move in response to displacement of said movable panel into its extended position while said motor remains stationary.

7. The combination as set forth in claim 6, wherein said wiper unit is fixed on said cab structure adjacent said movable panel hinge means.

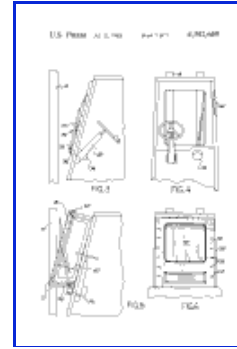
8. The combination as set forth in claim 7, wherein the cab structure includes a cowl at a lower edge of said movable panel, said wiper unit being mounted on said cowl, said wiper arm being arranged to extend generally upwardly from said cowl and over the exterior of said movable panel.

9. A cab for a lift truck having a mast at its front end and a steering wheel disposed rearwardly of the mast and movably mounted for displacement along a path from a rearward operational position to a temporary forward clearance position, the cab having a structure for protecting a driver seated rearwardly of the operational position of the steering wheel, said cab structure including a forward face having a windshield, the forward face extending generally upright in a plane and from side to side of the truck, said forward cab face including a movable panel carrying said windshield, hinge means on said cab structure supporting said movable panel for pivotal movement between a normal position and an extended position, the pivot axis of said hinge means being generally vertical and being disposed at a front corner of the cab most distant from the steering wheel, said movable panel in said normal position having a portion proximate to said steering wheel extending across said path and in said extended position having said proximate portion disposed forwardly of said steering wheel clearance position whereby said steering wheel is free of obstruction by said panel in its movement from its operational position to its clearance position, the hinge means being so constructed and disposed to cause said panel to swing between said normal position and extended position without interference with said mast when the mast is in a generally vertical position, a windshield wiper unit fixed to a portion of said cab structure separate from said movable panel, said wiper unit including a wiper arm extending over said windshield when the movable panel is in its normal position, said wiper arm including a pivot center adjacent but outward of the path of said movable panel, and disposed laterally inwardly of the movable panel hinge axis, said pivot center permitting said wiper arm to deflect forwardly with said movable panel when said movable panel is moved to its clearance position.

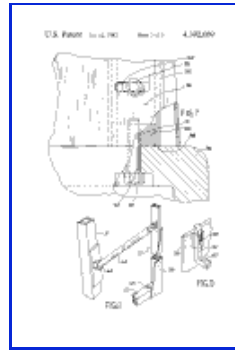
Drawings



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