CLAIMS

1. An aerial work platform comprising a vehicle, a telescopic transmission component, a telescopic connection component, and an operation platform all of which are movably connected with each other in sequence; wherein:

the telescopic connection component comprises: an outer arm, an inner arm slidably disposed inside the outer arm and capable of being moved out from one end of the outer arm, and a forearm telescopic cylinder disposed between the outer arm and the inner arm;

the forearm telescopic cylinder includes a cylinder body and a piston rod slidably disposed into the cylinder body;

the cylinder body is secured onto an outer wall of the outer arm, and an extension end of the piston rod is secured onto an outer wall of the inner arm;

a supporting member is disposed between the vehicle and the telescopic transmission component, and another supporting member is placed between the telescopic transmission component and the telescopic connection component;

the supporting member disposed between the telescopic transmission component and the telescopic connection component is a first levelling cylinder;

one end, which is connected to the telescopic

transmission component, of the telescopic connection component, is hinged to a forearm head; and one end of the first levelling cylinder is hinged to the telescopic transmission component, while the other end is hinged to the forearm head; and

the forearm head, the outer arm and the telescopic transmission component are hinged together by a pin.

2. The aerial work platform as recited in claim 1, wherein the telescopic connection component further comprises a forearm luffing cylinder one end of which is hinged to the forearm head, while the other end thereof is hinged to the outer wall of the outer arm; and by this means, the forearm head, the outer arm and the forearm luffing cylinder constitute a triangle luffing mechanism.

3. The aerial work platform as recited in claim 2, wherein a third levelling cylinder is disposed between the telescopic connection component and the operation platform; and one end of the third levelling cylinder is hinged to the inner arm, whereas the other end thereof is hinged to a rotary cylinder secured onto the operation platform.

4. The aerial work platform as recited in claim 3, wherein an angle sensor cooperating with the third levelling cylinder is provided on the rotary cylinder.

5. The aerial work platform as recited in claim 3, wherein a second levelling cylinder is positioned between the forearm head and the telescopic connection component; one end of the second levelling cylinder is hinged to the forearm head, while the other end thereof is hinged to the outer wall of the outer arm; and a cavity of the second levelling cylinder communicates with a cavity of the third levelling cylinder by means of an oil tube.