What is claimed is:

1. A curtain-wall glass safety retainer clamp, comprising

a washer;

a safety retainer having at least two compressible structures are arranged therein;

a nut ;

a screw rod that penetrates through the washer to be connected with the safety retainer and the nut; and

a fixed screw cap arranged at an end of the screw rod;

wherein the safety retainer includes a cylindrical connecting chamber, where two elongated compressible structures each have one surface symmetrically arranged on the external walls of the connecting chamber for the connecting chamber to be sandwiched in-between, with two installation chambers each systematically arranged for each of the compressible structure to be housed in between the installation chamber and the connecting chamber, the connecting chamber further including the nut arranged therein, for receiving the end of the screw rod when the screw rod inserted into the connecting chamber.

2. The curtain-wall glass safety retainer clamp according to Claim 1, wherein the compressible structures are elastic chambers, and an internal hexagonal hole is formed in the connecting chamber for the nut to be arranged therein.

3. The curtain-wall glass safety retainer clamp according to Claim 1, wherein sections of the elastic chambers are in a regular polygon shape; each said installation chambers includes an upper horizontal plate, a lower horizontal plate, a vertical plate, and an arc plate which are integrally formed; and two arc plates of the two installation chambers are respectively located on two opposite longitudinal side faces of the safety retainer.

4. The curtain-wall glass safety retainer clamp according to Claim 1, wherein the safety retainer is formed by the connecting chamber, the two elastic chambers and the two installation chambers which are integrally formed.

5. The curtain-wall glass safety retainer clamp according to Claim 1, wherein the washer is square shaped, and further comprises installation grooves on four side faces of the washer.