WHAT IS CLAIMED IS:

1. A double girder structure which, when assembled, is connected to a column and reinforced with stiffness, comprising:

a column part;

bracing parts that are connected to the column part, connected by a steel bar so that lengths of the bracing parts are adjusted, and provided by a plurality of X-shaped bracings; and

a double girder part that includes a first double girder rigidly connected to the column part and set on left and right of the bracing part and a second double girder connected to the first double girder by bolt fastening;

wherein the bracing part includes:

a first bracing part that is directly connected to the column part; and

a second bracing part that is slidably connected to the first bracing part and joined to the first bracing part; and

wherein the first bracing part includes:

a plurality of flanges that are connected to be fixed to the column part;

a fixed bracing that is connected to be fixed to one side of the plurality of flanges; and

a movable bracing that is guided and moves by the plurality of flanges.

2. The double girder structure of claim 1, wherein a plurality of connecting steel bars penetrate through upper, lower, left, and right sides of the fixed bracing, a circular tube penetrates through a center of the fixed bracing, and the movable bracing is provided so that the plurality of connecting steel bars and the circular tube move to one side.

3. The double girder structure of claim 1, wherein the second bracing part includes:

a plurality of flanges;

a penetrating bracing that is provided to allow the circular tube and connecting steel bars of the first bracing part to penetrate therethrough; and

a reinforcing bracing that is provided to reinforce the plurality of flanges.

4. The double girder structure of claim 3, wherein the first bracing part and the second bracing part are joined by a bolting fastening part after the connecting steel bar of the first bracing part moves by the movable bracing and penetrates through the penetrating bracing.

5. The double girder structure of claim 1, wherein the double girder part includes:

first double girders set on left and right of the first

bracing part and a bottom plate provided between the first double girders; and

second double girders set on left and right of the second bracing part and a bottom plate provided between the second double girders.

6. A construction method of a double girder structure connected to a column and reinforced with stiffness, comprising:

a first construction step of fixedly connecting a first bracing part and a first double girder to one side of a column part;

a second construction step of setting a second bracing part on one side of the first bracing part;

a third construction step of joining the first bracing part and the second bracing part;

a fourth construction step of setting a second double girder on one side of the first double girder; and

a fifth construction step of fixing a double girder part by a fastening part;

wherein, in the third construction step, a connecting steel bar and a circular tube of the first bracing part move by a movable bracing of the first bracing part and penetrate through the penetrating bracing, and are then joined by a bolting fastening part.

7. The construction method of claim 6, further comprising:

after the fifth construction step, a sixth construction step of connecting a crossbeam between the second double girder and an adjacent second double girder.