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**Tran**

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(54) **DUAL TELESCOPIC POINTER WITH ADJUSTABLE BALL JOINTS**

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(51) **Int. Cl.**  
**F16M 11/14** (2006.01)  
**G09B 17/02** (2006.01)  
**A61H 5/00** (2006.01)

(57) **ABSTRACT**

(52) **U.S. Cl.**  
CPC ..... **F16M 11/14** (2013.01); **A61H 5/00** (2013.01); **G09B 17/02** (2013.01)

Dual telescopic pointer with adjustable ball joints is used by a trained clinician to help treat a client or patient with a mental illness. The trained clinician places a dual telescopic pointer with adjustable ball joints in front of a client and then counseling or analyzing the client in the usual fashion while also asking the client to focus their eyes and attention on the first or second focus spheres of the dual telescopic pointer with adjustable ball joints while periodically moving the location of the first or second focus spheres by extending and/or retracting the first and second telescopic pointers which support the first or second focus spheres respectively and/or adjusting the first or second adjustable ball joints which support the first and second telescopic pointers respectively. This method of treatment promotes deeper healing in the subcortical areas of the brain where emotions and trauma are stored.

(58) **Field of Classification Search**  
CPC ..... F16M 11/14; A61H 5/00; G09B 17/02  
See application file for complete search history.

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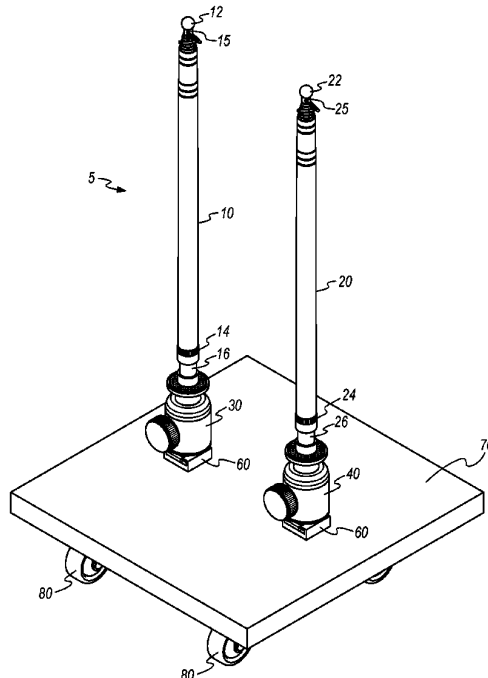
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**3 Claims, 8 Drawing Sheets**



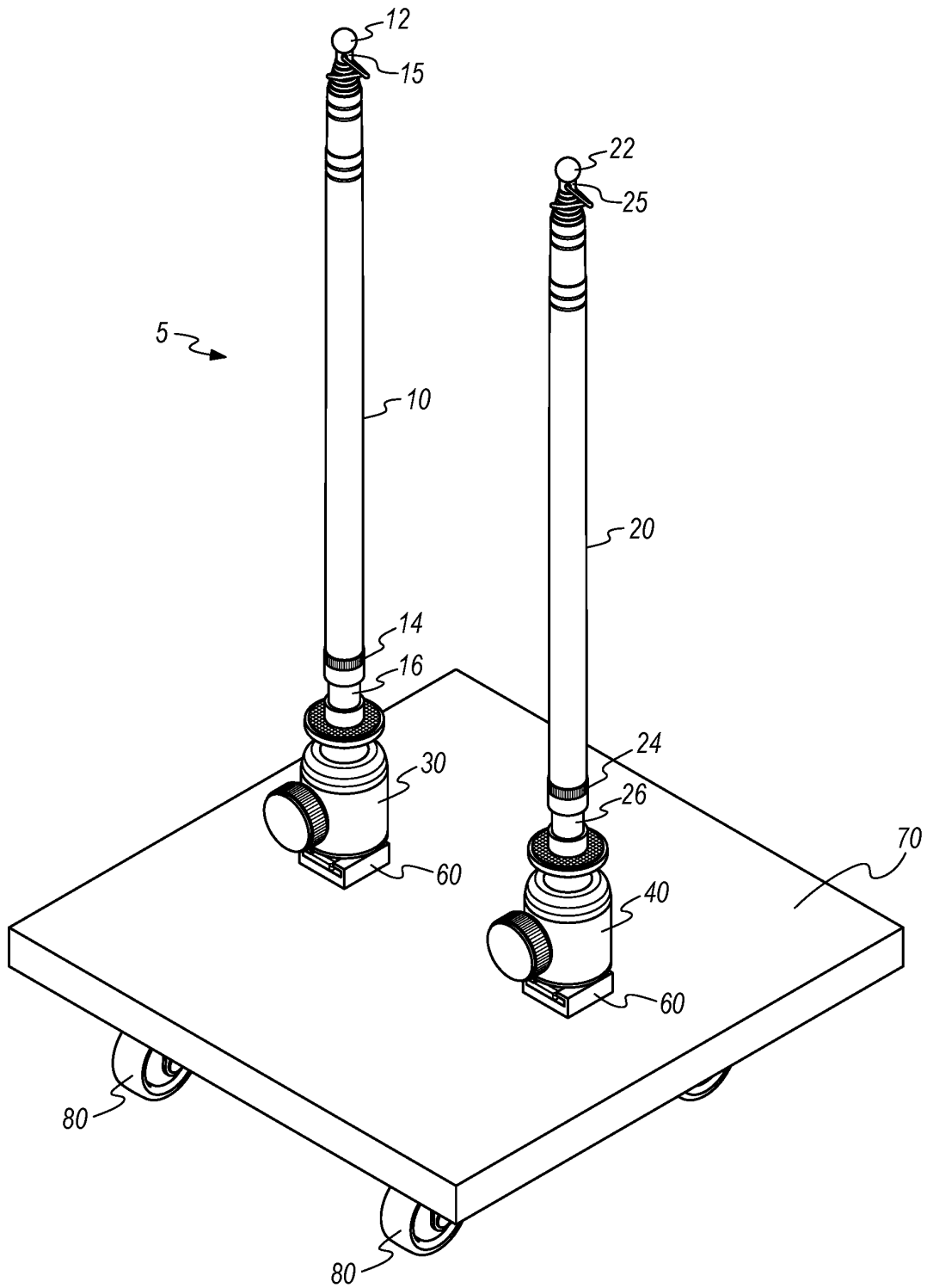
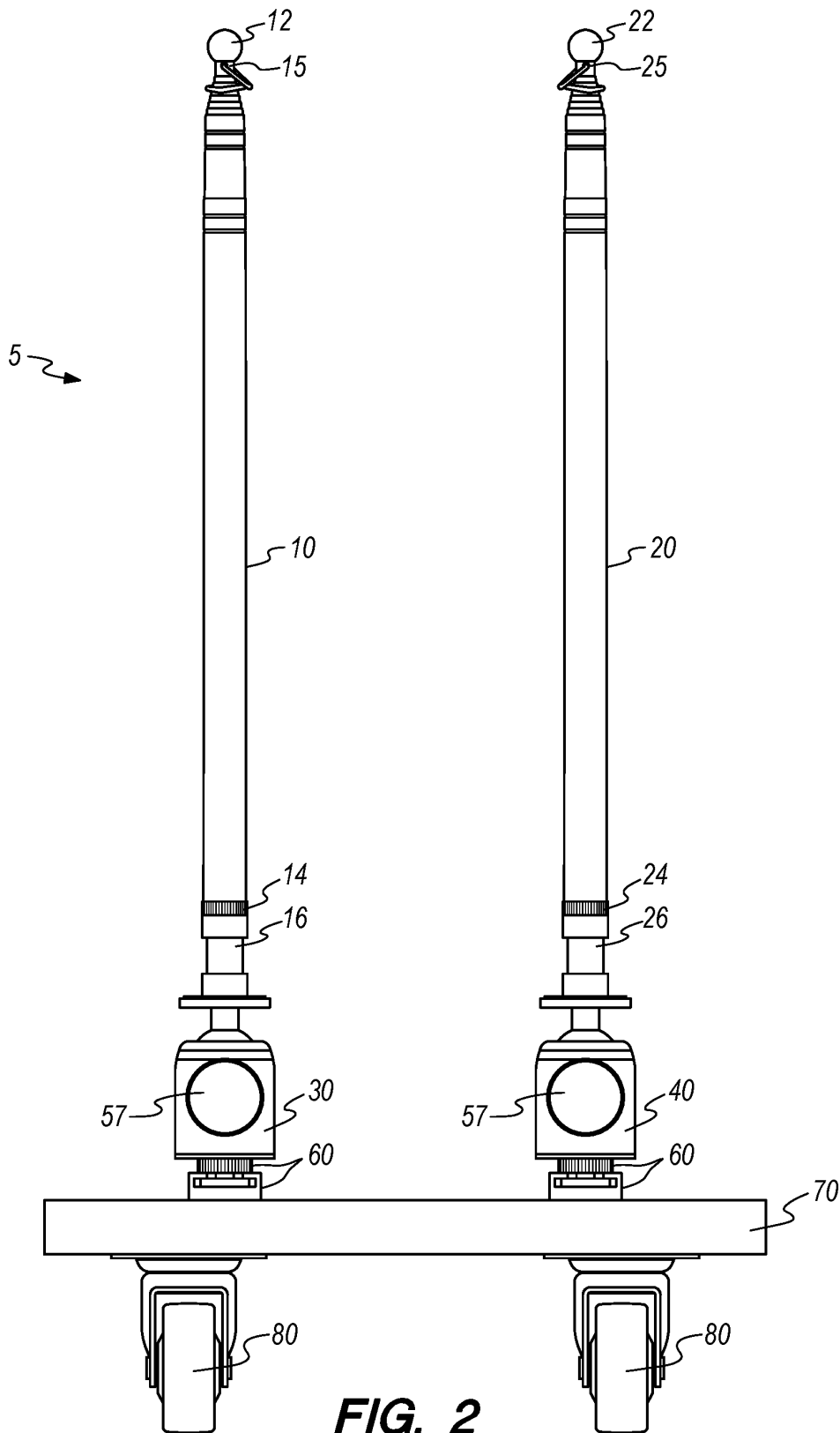
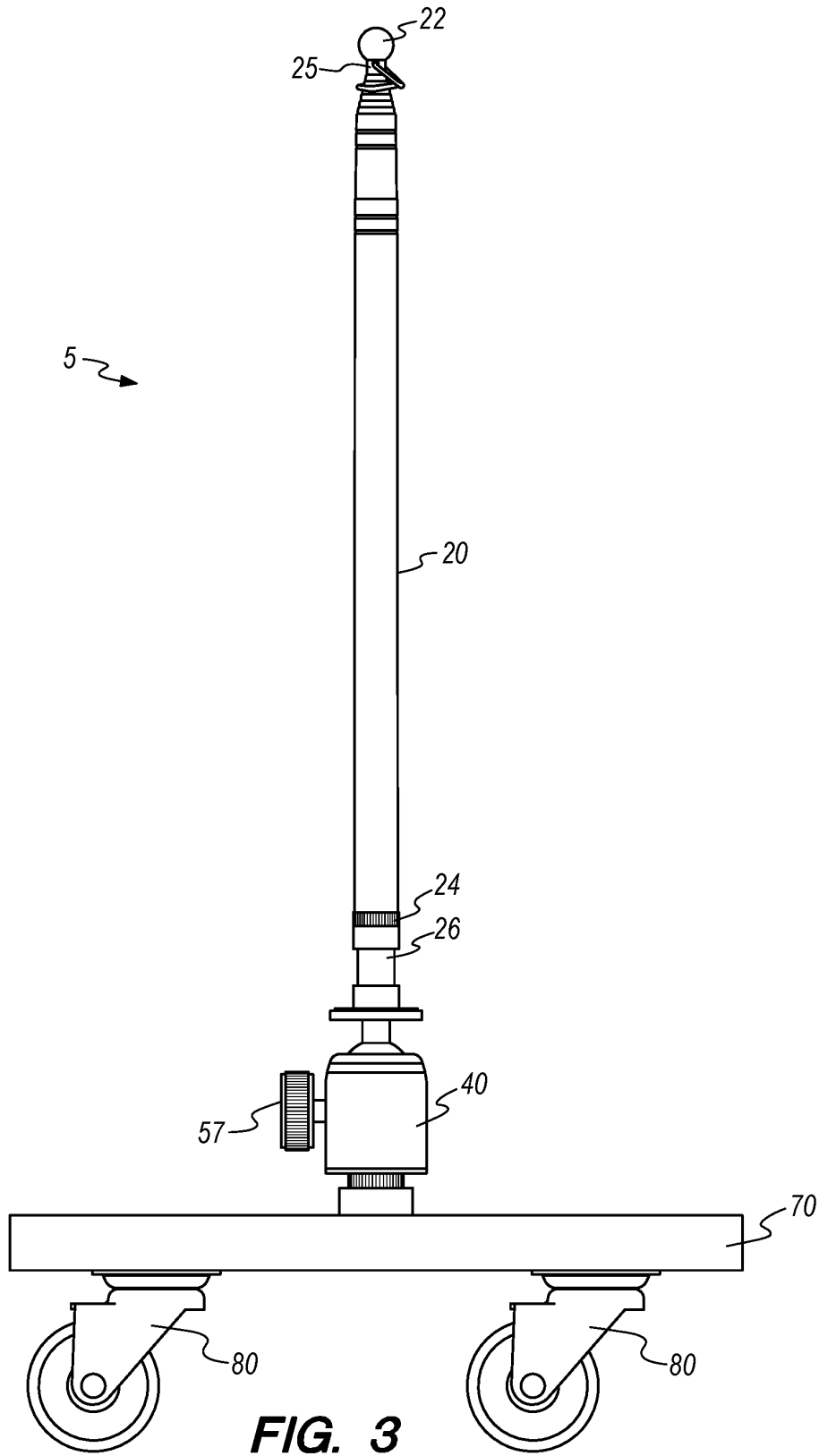
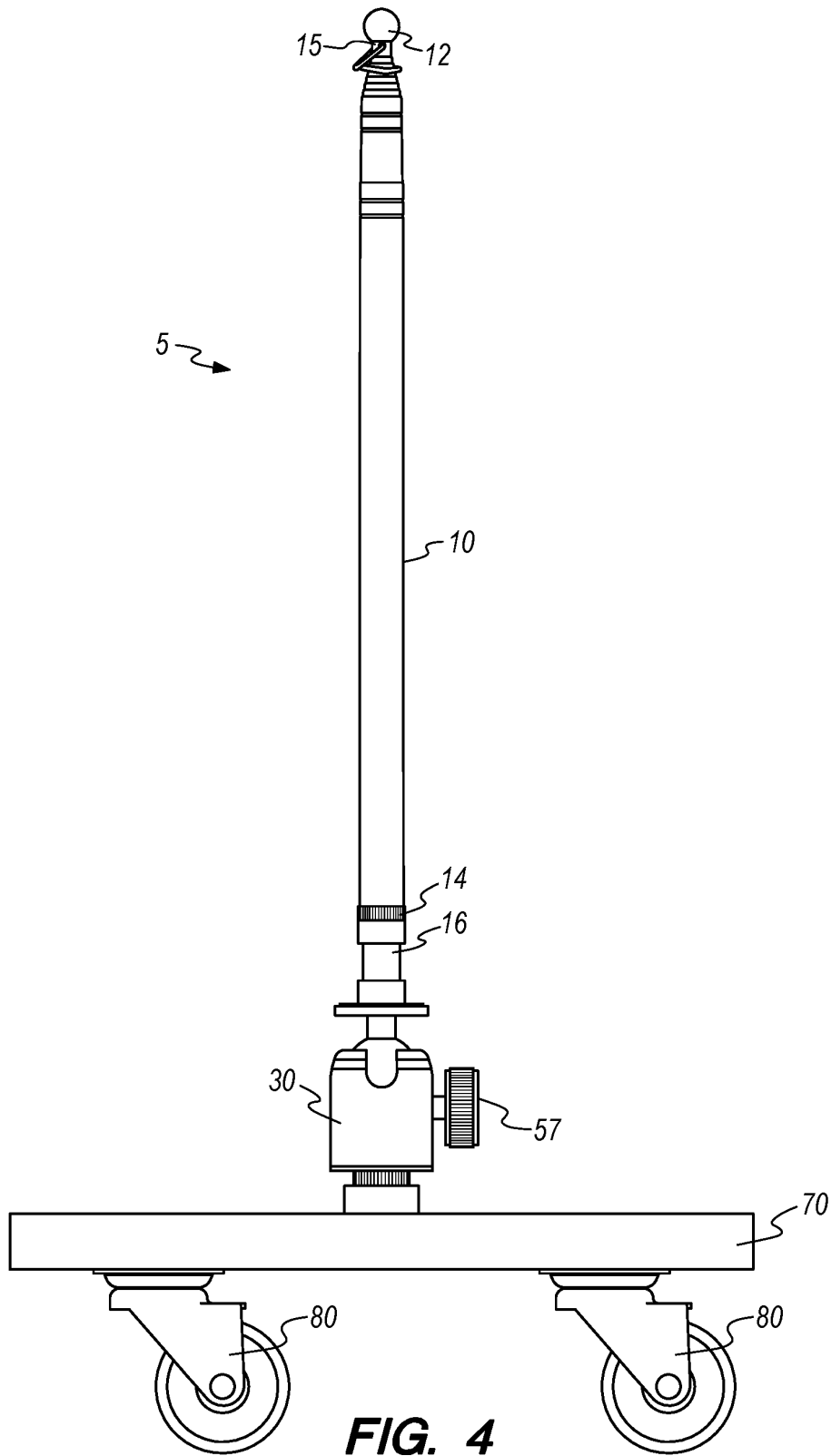


FIG. 1

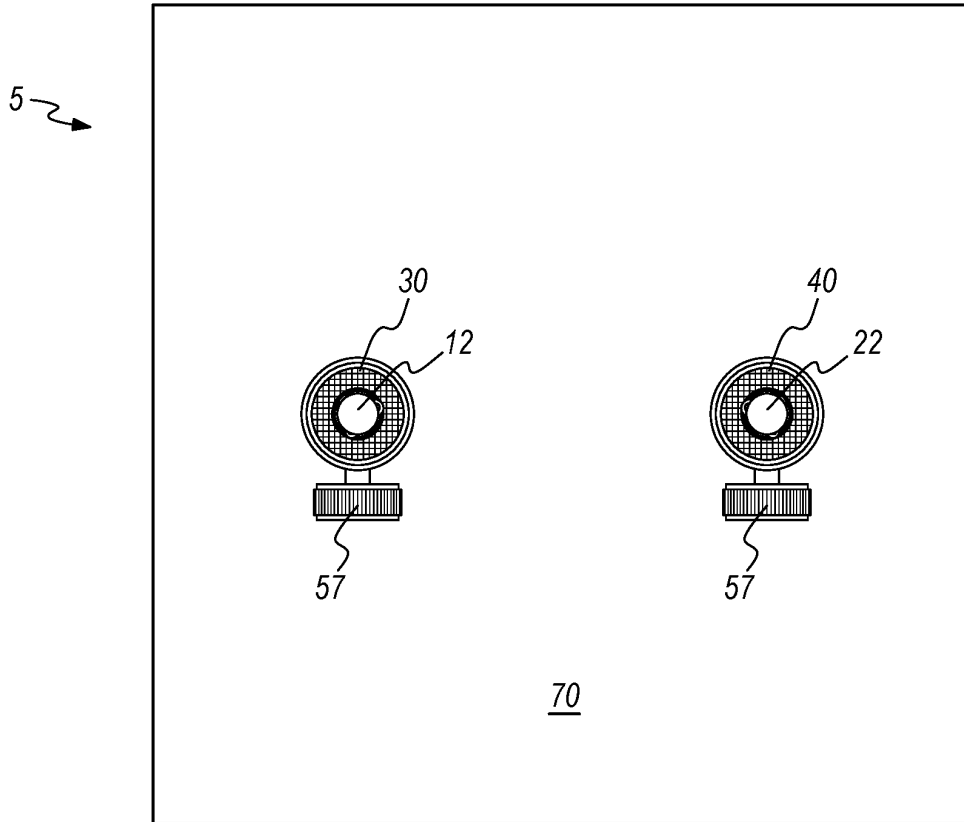




**FIG. 3**



**FIG. 4**



**FIG. 5**

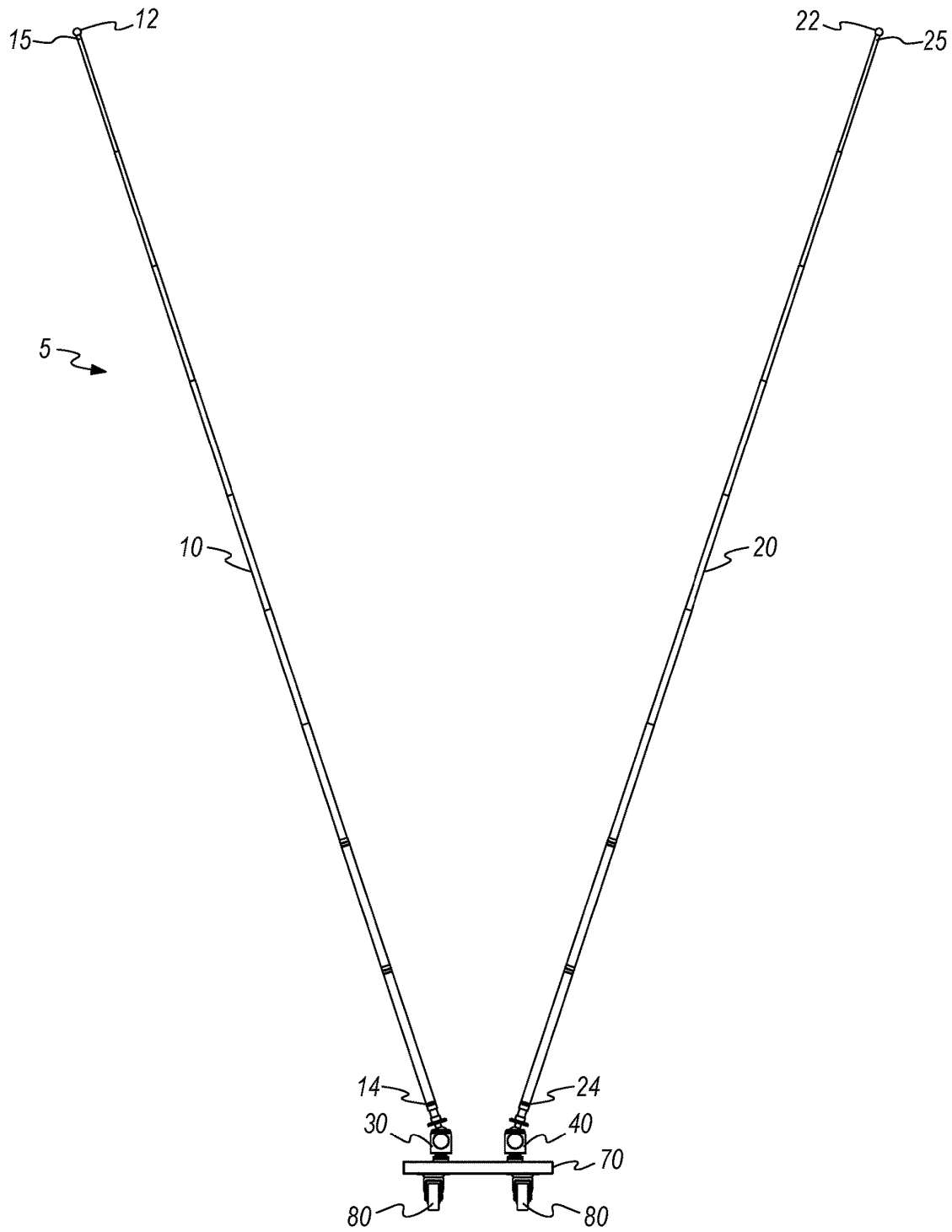
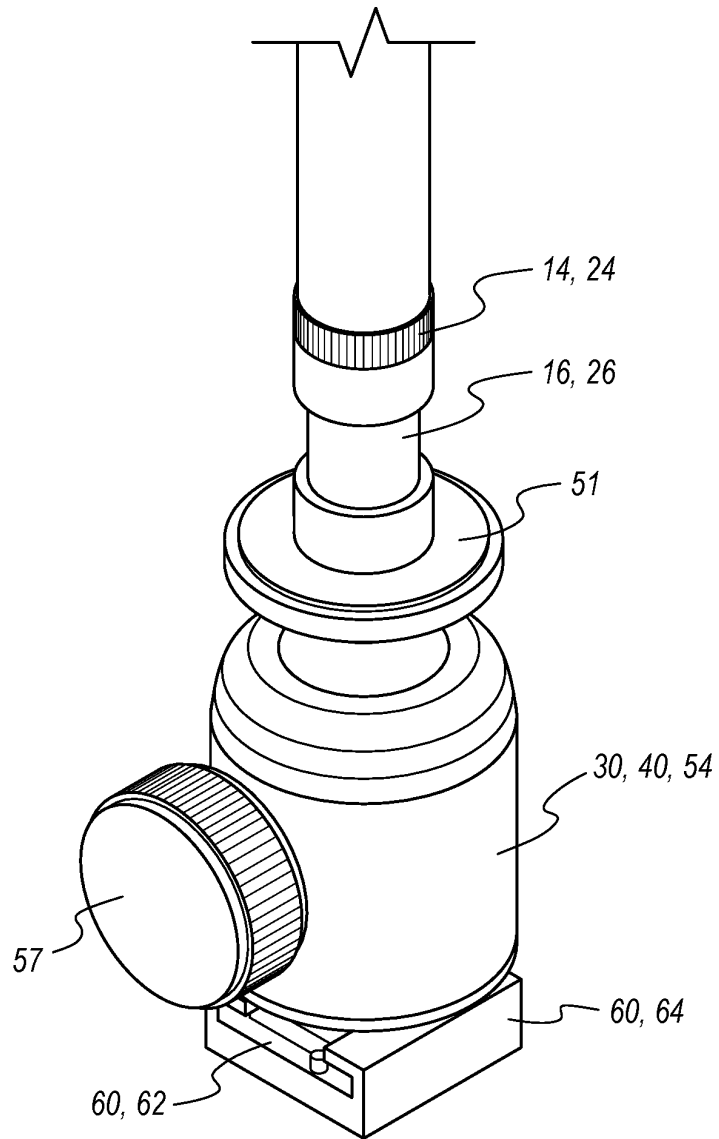
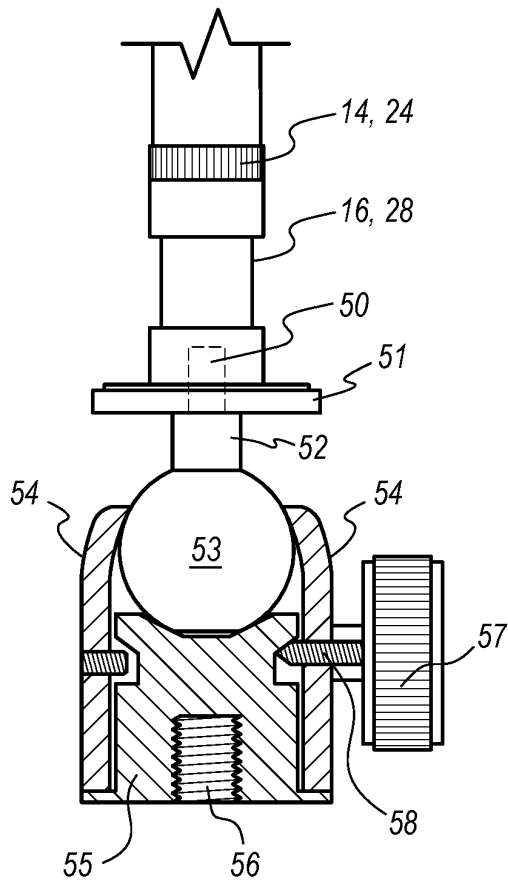


FIG. 6

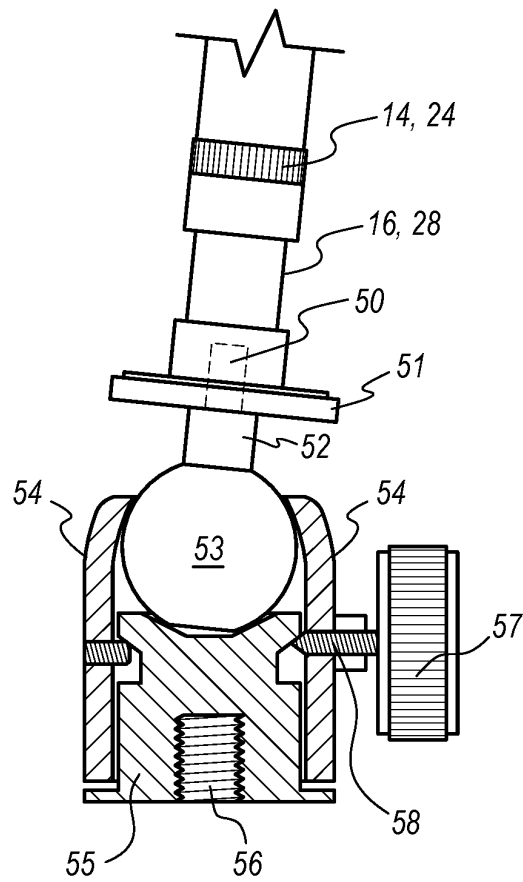


**FIG. 7**





**FIG. 8A**



**FIG. 8B**

1

**DUAL TELESCOPIC POINTER WITH ADJUSTABLE BALL JOINTS**

**BACKGROUND OF THE INVENTION**

1. Field of the Invention

This invention relates to a telescopic pointer and more specifically to a device with two telescopic pointers that are each attached to an adjustable ball joint that is attached to a stable base with optional casters or wheels on the bottom of the stable base.

2. Description of Related Art

There are other telescopic pointers in the prior art however there are none with two telescopic pointers that are each attached to an adjustable ball joint that is attached to a stable base with optional casters or wheels on the bottom of the stable base as shown and described below.

The dual telescopic pointer with adjustable ball joints of this invention is used during a mental health treatment approach called "Brainspotting" with a trained clinician and client. Brainspotting theory holds that the location of a person's focus affects how he or she feels. After the targeted issue has been determined, the telescopic pointer is adjusted depending on the need of the client and the issue being processed. This may include adjustment horizontally, vertically, closer, or further from the client. Once a position is decided, the client is asked to focus on one end of either telescopic pointer to access memories, thoughts, feelings, and bodily sensations associated with the issues. This method of processing promotes deeper healing in the sub-cortical areas of the brain where emotions and trauma are stored. Brainspotting is an established and recognized mental health treatment approach within the field of psychological analysis.

**BRIEF SUMMARY OF THE INVENTION**

It is an aspect of dual telescopic pointer with adjustable ball joints to include two telescopic pointers.

It is an aspect each telescopic pointer to be extendable and retractable.

It is an aspect each telescopic pointer to include a focus sphere that attracts the attention or focus of a client.

It is an aspect of each telescopic pointer to be reversibly rigidly attachable to an adjustable ball joint.

It is an aspect of each adjustable ball joint to be adjusted or pointed in any direction and then tightened to rigidly remain in the adjusted position.

It is an aspect of each adjustable ball joint adjustably point or direct a telescopic pointer in any direction.

It is an aspect of each adjustable ball joint to be reversibly rigidly attachable to the upper side of a rigid base.

It is an aspect of dual telescopic pointer with adjustable ball joints to adjustably point or direct two focus spheres in any direction and then rigidly hold the two focus spheres in the adjusted position.

It is an optional aspect of dual telescopic pointer with adjustable ball joints to have a plurality of casters or wheels rigidly attached to the lower side of rigid base.

**BRIEF DESCRIPTION OF THE DRAWINGS**

FIG. 1 is a top perspective view of dual telescopic pointer with adjustable ball joints with both telescopic pointers in the retracted position.

2

FIG. 2 is a front elevation view of dual telescopic pointer with adjustable ball joints with both telescopic pointers in the retracted position.

FIG. 3 is a right side elevation view of dual telescopic pointer with adjustable ball joints with both telescopic pointers in the retracted position.

FIG. 4 is a left side elevation view of dual telescopic pointer with adjustable ball joints with both telescopic pointers in the retracted position.

FIG. 5 is a top plan view of dual telescopic pointer with adjustable ball joints with both telescopic pointers in the retracted position.

FIG. 6 is a front elevation view of dual telescopic pointer with adjustable ball joints with both telescopic pointers in the extended position.

FIG. 7 is an enlarged view of an adjustable ball joint with telescopic pointer attached.

FIG. 8A is cross sectional view of an adjustable ball joint in the tightened position with knob turned clockwise to tighten.

FIG. 8B is cross sectional view of an adjustable ball joint in the loosened position with knob turned counterclockwise to loosen.

**DEFINITION LIST**

Term	Definition
5	Dual Telescopic Pointer with Adjustable Ball joints
10	First Telescopic Pointer
12	First Focus Sphere
14	Lower End of First Telescopic Pointer
15	Upper End of First Telescopic Pointer
16	First Adapter Nut
20	Second Telescopic Pointer
22	Second Focus Sphere
24	Lower End of Second Telescopic Pointer
25	Upper End Second of Telescopic Pointer
26	Second Adapter Nut
30	First Adjustable Ball joint
40	Second Adjustable Ball joint
50	Threaded Stud on Adjustable Ball joint
51	Nut Flange on Adjustable Ball joint
52	Stud Shaft on Adjustable Ball joint
53	Ball on Adjustable Ball joint
54	Ball Casing on Adjustable Ball joint
55	Block on Adjustable Ball joint
56	Tapped Hole on Block
57	Knob on Adjustable Ball joint
58	Knob Screw on Adjustable Ball joint
59	Set Screw on Adjustable Ball joint
60	Base Bracket
62	Upper End of Base Bracket
64	Lower End of Base Bracket
70	Base
80	Caster or Wheel

**DETAILED DESCRIPTION OF THE INVENTION**

Dual telescopic pointer with adjustable ball joints 5 is used by a trained clinician to help treat a client or patient with a mental illness. The trained clinician places a dual telescopic pointer with adjustable ball joints 5 in front of a client and then counseling or analyzing the client in the usual fashion while also asking the client to focus their eyes and attention on the first or second focus spheres 12,22 while periodically moving the location of the first or second focus spheres 12,22 by extending and/or retracting the first and

second telescopic pointers **10,20** and/or adjusting the first or second adjustable ball joints **30,40** as described below. This method of treatment promotes deeper healing in the subcortical areas of the brain where emotions and trauma are stored.

Dual telescopic pointer with adjustable ball joints **5** comprises: a first telescopic pointer **10**; a second telescopic pointer **20**; a first adjustable ball joint **30**; a second adjustable ball joint **40**; and a base **70**.

First telescopic pointer **10** is a telescoping or extendable pointer. First telescopic pointer **10** comprises a plurality of rigid hollow cylindrical segments that stack together or retract within each other. There is an outer or first rigid hollow cylindrical segment with a first end, a second end, a length, a longitudinal axis, an inner diameter, and an outer diameter. There is a next inner or second rigid hollow cylindrical segment with a first end, a second end, a length, a longitudinal axis, an inner diameter, and an outer diameter. The second rigid hollow cylindrical segment has an outer diameter that forms a slip fit or press fit with the inner diameter of the first rigid hollow cylindrical segment. This allows the second segment to slide inside the first segment in order to be stored, stacked, or retracted. In the retracted position, the first end of the second rigid hollow cylindrical segment is slid all the way inside the first rigid hollow cylindrical segment so that it is adjacent to the first end of the first rigid hollow cylindrical segment. In the extended position, the first end of the second rigid hollow cylindrical segment is extended all the way out so that it is adjacent to the second end of the first rigid hollow cylindrical segment. There is a flair or stop on each end of the first and second segments to prevent the two segments from separating when extending and retracting. There is a next inner or third rigid hollow cylindrical segment with a first end, a second end, a length, a longitudinal axis, an inner diameter, and an outer diameter. The third rigid hollow cylindrical segment has an outer diameter that forms a slip fit or press fit with the inner diameter of the second rigid hollow cylindrical segment. This allows the third segment to slide inside the second segment in order to be stored, stacked, or retracted. In the retracted position, the first end of the third rigid hollow cylindrical segment is slid all the way inside the second rigid hollow cylindrical segment so that it is adjacent to the first end of the second rigid hollow cylindrical segment. In the extended position, the first end of the third rigid hollow cylindrical segment is extended all the way out so that it is adjacent to the second end of the second rigid hollow cylindrical segment. There is a flair or stop on each end of the second and third segments to prevent the two segments from separating when extending and retracting. There is a next inner or fourth rigid hollow cylindrical segment with a first end, a second end, a length, a longitudinal axis, an inner diameter, and an outer diameter. The fourth rigid hollow cylindrical segment has an outer diameter that forms a slip fit or press fit with the inner diameter of the third rigid hollow cylindrical segment. This allows the fourth segment to slide inside the third segment in order to be stored, stacked, or retracted. In the retracted position, the first end of the fourth rigid hollow cylindrical segment is slid all the way inside the third rigid hollow cylindrical segment so that it is adjacent to the first end of the third rigid hollow cylindrical segment. In the extended position, the first end of the fourth rigid hollow cylindrical segment is extended all the way out so that it is adjacent to the second end of the third rigid hollow cylindrical segment. There is a flair or stop on each end of the third and fourth segments to prevent the two segments from separating when extending and retract-

ing. This trend continues with a plurality of additional rigid hollow cylindrical segments that stack or retract inside the previous rigid hollow cylindrical segment. In best mode, first telescopic pointer **10** comprises six segments that stack or retract inside each other.

First telescopic pointer **10** has a lower end **14** and an upper end **15**. The lower end **14** of first telescopic pointer **10** is the first end of the first segment of first telescopic pointer **10**. The lower end **14** of first telescopic pointer **10** has a male threaded member or female threaded member extending downward therefrom. Male threaded member is a rigid cylindrical member with helical threads on its outer surface. Male threaded member has a length and a longitudinal axis. The longitudinal axis of male threaded member is concentric with that of the first segment of first telescopic pointer **10**. Male threaded member forms a closed end on the first end of the first segment of first telescopic pointer **10**. Female threaded member is a tapped hole or a hole with female thread running along its inside surface. Female threaded member has a length and a longitudinal axis. The longitudinal axis of female threaded member is concentric with that of the first segment of first telescopic pointer **10**. Female threaded member forms an open end on the first end of the first segment of first telescopic pointer **10**. The upper end **15** of first telescopic pointer **10** is the second end of the last segment of first telescopic pointer **10**. In best mode, the upper end **15** of first telescopic pointer **10** is the second end of the sixth segment of first telescopic pointer **10**.

First telescopic pointer **10** further comprises a first focus sphere **12**. First focus sphere **12** is a rigid spherical shaped member. First focus sphere **12** is rigidly attached to the upper end **15** of first telescopic pointer **10**. First focus sphere **12** functions to attract and retain the attention of the client so that the client focuses their vision and attention directly onto first focus sphere **12**. As stated below, the trained clinician may move the first focus sphere **12** during the treatment as the client is focusing on the first focus sphere **12**. First focus sphere **12** may be made from any material. In best mode, first focus sphere **12** is chromed or otherwise has an extremely shiny quality.

The lower end **14** of first telescopic pointer **10** is reversibly rigidly attachable to a threaded stud **50** on first adjustable ball joint **30** by a removable threaded connection wherein the lower end **14** of first telescopic pointer **10**, female threaded member, may be screwed onto threaded stud **50** on first adjustable ball joint **30** to rigidly connect thereto and unscrewed from threaded stud **50** on first adjustable ball joint **30** to disconnect therefrom. In an alternate embodiment, a first adapter nut **16** may be used for this connection as described below.

First telescopic pointer **10** may further comprise a first adapter nut **16**. First adapter nut **16** is a rigid cylindrical member with a first end, a second end, a length, and a longitudinal axis. The second end of first a first adapter nut **16** has a threaded hole or tapped hole thereon. The threaded hole or tapped hole on the second end of first a first adapter nut **16** has a longitudinal axis that is concentric with that of first adapter nut **16**. The female threads on the threaded hole or tapped hole on the second end of first adapter nut **16** are sized to engage with the male threaded member on the lower end **14** of first telescopic pointer **10**. The lower end **14** of first telescopic pointer **10** is reversibly rigidly attachable to the second end of first adapter nut **16** by a removable threaded connection wherein the lower end **14** of first telescopic pointer **10** may be screwed onto the second end of first a first adapter nut **16** to rigidly connect thereto and unscrewed from the second end of first adapter nut **16** to disconnect

5

therefrom. The first end of first adapter nut **16** has a threaded hole or tapped hole thereon. The threaded hole or tapped hole on the first end of first adapter nut **16** has a longitudinal axis that is concentric with that of first adapter nut **16**. The female threads on the threaded hole or tapped hole on the first end of first adapter nut **16** are sized to engage with a male threaded member or threaded stud **50** on first adjustable ball joint **30**. The first end of first adapter nut **16** is reversibly rigidly attachable to a threaded stud **50** on first adjustable ball joint **30** by a removable threaded connection wherein the first end of first adapter nut **16** may be screwed onto threaded stud **50** on first adjustable ball joint **30** to rigidly connect thereto and unscrewed from threaded stud **50** on first adjustable ball joint **30** to disconnect therefrom. The threaded hole or tapped hole on the first end of first adapter nut **16** may have different sizing than the threaded hole or tapped hole on the second end of first adapter nut **16**.

First adjustable ball joint **30** is an adjustable ball joint. First adjustable ball joint **30** comprises: a threaded stud **50**; a nut flange **51**; a stud shaft **52**; a ball **53**; a ball casing **54**; a block **55**; a knob **57**; a knob screw **58**, and a set screw **59**. As stated, the lower end **14** of first telescopic pointer **10** may be reversibly rigidly attachable to the threaded stud **50** on first adjustable ball joint **30**. Alternately, the lower end **14** of first telescopic pointer **10** may be reversibly rigidly attachable to the second end of first adapter nut **16** and the first end of first adapter nut **16** is reversibly rigidly attachable to the first adjustable ball joint **30**, wherein the first end of first adapter nut **16** may be screwed onto the threaded stud **50** on the first adjustable ball joint **30** to rigidly connect thereto and unscrewed from the threaded stud **50** on the first adjustable ball joint **30** to disconnect therefrom. The first adjustable ball joint **30** is reversibly rigidly attached to the upper surface of base **70** or to a first base bracket **60** and the first base bracket **60** is rigidly attached to the base **70** as described below. First adjustable ball joint **30** functions to adjustably attach first telescopic pointer **10** to base **70** and allow the first telescopic pointer **10** to be adjusted to point in any direction relative to the base **70** and then tightened to retain this position as described below.

Second telescopic pointer **20** is a telescoping or extendable pointer. Second telescopic pointer **20** comprises a plurality of rigid hollow cylindrical segments that stack together or retract within each other. There is an outer or first rigid hollow cylindrical segment with a first end, a second end, a length, a longitudinal axis, an inner diameter, and an outer diameter. There is a next inner or second rigid hollow cylindrical segment with a first end, a second end, a length, a longitudinal axis, an inner diameter, and an outer diameter. The second rigid hollow cylindrical segment has an outer diameter that forms a slip fit or press fit with the inner diameter of the first rigid hollow cylindrical segment. This allows the second segment to slide inside the first segment in order to be stored, stacked, or retracted. In the retracted position, the first end of the second rigid hollow cylindrical segment is slid all the way inside the first rigid hollow cylindrical segment so that it is adjacent to the first end of the first rigid hollow cylindrical segment. In the extended position, the first end of the second rigid hollow cylindrical segment is extended all the way out so that it is adjacent to the second end of the first rigid hollow cylindrical segment. There is a flair or stop on each end of the first and second segments to prevent the two segments from separating when extending and retracting. There is a next inner or third rigid hollow cylindrical segment with a first end, a second end, a length, a longitudinal axis, an inner diameter, and an outer

6

diameter. The third rigid hollow cylindrical segment has an outer diameter that forms a slip fit or press fit with the inner diameter of the second rigid hollow cylindrical segment. This allows the third segment to slide inside the second segment in order to be stored, stacked, or retracted. In the retracted position, the first end of the third rigid hollow cylindrical segment is slid all the way inside the second rigid hollow cylindrical segment so that it is adjacent to the first end of the second rigid hollow cylindrical segment. In the extended position, the first end of the third rigid hollow cylindrical segment is extended all the way out so that it is adjacent to the second end of the second rigid hollow cylindrical segment. There is a flair or stop on each end of the second and third segments to prevent the two segments from separating when extending and retracting. There is a next inner or fourth rigid hollow cylindrical segment with a first end, a second end, a length, a longitudinal axis, an inner diameter, and an outer diameter. The fourth rigid hollow cylindrical segment has an outer diameter that forms a slip fit or press fit with the inner diameter of the third rigid hollow cylindrical segment. This allows the fourth segment to slide inside the third segment in order to be stored, stacked, or retracted. In the retracted position, the first end of the fourth rigid hollow cylindrical segment is slid all the way inside the third rigid hollow cylindrical segment so that it is adjacent to the first end of the third rigid hollow cylindrical segment. In the extended position, the first end of the fourth rigid hollow cylindrical segment is extended all the way out so that it is adjacent to the second end of the third rigid hollow cylindrical segment. There is a flair or stop on each end of the third and fourth segments to prevent the two segments from separating when extending and retracting. This trend continues with a plurality of additional rigid hollow cylindrical segments that stack or retract inside the previous rigid hollow cylindrical segment. In best mode, second telescopic pointer **20** comprises six segments that stack or retract inside each other.

Second telescopic pointer **20** has a lower end **24** and an upper end **25**. The lower end **24** of second telescopic pointer **20** is the first end of the first segment of second telescopic pointer **20**. The lower end **24** of second telescopic pointer **20** has a male threaded member or female threaded member extending downward therefrom. Male threaded member is a rigid cylindrical member with helical threads on its outer surface. Male threaded member has a length and a longitudinal axis. The longitudinal axis of male threaded member is concentric with that of the first segment of second telescopic pointer **20**. Male threaded member forms a closed end on the first end of the first segment of second telescopic pointer **20**. Female threaded member is a tapped hole or a hole with female thread running along its inside surface. Female threaded member has a length and a longitudinal axis. The longitudinal axis of female threaded member is concentric with that of the first segment of second telescopic pointer **20**. Female threaded member forms an open end on the first end of the second segment of first telescopic pointer **20**. The upper end **25** of second telescopic pointer **20** is the second end of the last segment of second telescopic pointer **20**. In best mode, the upper end **25** of second telescopic pointer **20** is the second end of the sixth segment of second telescopic pointer **20**.

Second telescopic pointer **20** further comprises a second focus sphere **22**. Second focus sphere **22** is a rigid spherical shaped member. Second focus sphere **22** is rigidly attached to the upper end **25** of second telescopic pointer **20**. Second focus sphere **22** functions to attract and retain the attention of the client so that the client focuses their vision and

attention directly onto second focus sphere 22. As stated below, the trained clinician may move the second focus sphere 22 during the treatment as the client is focusing on the second focus sphere 22. Second focus sphere 22 may be made from any material. In best mode, second focus sphere 22 is chromed or otherwise has an extremely shiny quality.

The lower end 24 of second telescopic pointer 20 is reversibly rigidly attachable to a threaded stud 50 on second adjustable ball joint 40 by a removable threaded connection wherein the lower end 24 of second telescopic pointer 20, female threaded member, may be screwed onto threaded stud 50 on second adjustable ball joint 40 to rigidly connect thereto and unscrewed from threaded stud 50 on first adjustable ball joint 30 to disconnect therefrom. In an alternate embodiment, a second adapter nut 26 may be used for this connection as described below.

Second telescopic pointer 20 may further comprise a second adapter nut 26. Second adapter nut 26 is a rigid cylindrical member with a first end, a second end, a length, and a longitudinal axis. The second end of second a first adapter nut 26 has a threaded hole or tapped hole thereon. The threaded hole or tapped hole on the second end of second a first adapter nut 26 has a longitudinal axis that is concentric with that of second adapter nut 26. The female threads on the threaded hole or tapped hole on the second end of second adapter nut 26 are sized to engage with the male threaded member on the lower end 24 of second telescopic pointer 20. The lower end 24 of second telescopic pointer 20 is reversibly rigidly attachable to the second end of second adapter nut 26 by a removable threaded connection wherein the lower end 24 of second telescopic pointer 20 may be screwed onto the second end of first a second adapter nut 26 to rigidly connect thereto and unscrewed from the second end of second adapter nut 26 to disconnect therefrom. The first end of second adapter nut 26 has a threaded hole or tapped hole thereon. The threaded hole or tapped hole on the first end of second a first adapter nut 26 has a longitudinal axis that is concentric with that of second adapter nut 26. The female threads on the threaded hole or tapped hole on the first end of second a first adapter nut 26 are sized to engage with a male threaded member or threaded stud 50 on second adjustable ball joint 40. The first end of second adapter nut 26 is reversibly rigidly attachable to a threaded stud 50 on second adjustable ball joint 40 by a removable threaded connection wherein the first end of second adapter nut 26 may be screwed onto threaded stud 50 on second adjustable ball joint 40 to rigidly connect thereto and unscrewed from threaded stud 50 on second adjustable ball joint 40 to disconnect therefrom. The threaded hole or tapped hole on the first end of second adapter nut 26 may have different sizing than the threaded hole or tapped hole on the second end of second adapter nut 26.

Second adjustable ball joint 40 is an adjustable ball joint. Second adjustable ball joint 40 comprises: a threaded stud 50; a nut flange 51; a stud shaft 52; a ball 53; a ball casing 54; a block 55; a knob 57; a knob screw 58, and a set screw 59. As stated, the lower end 24 of second telescopic pointer 20 may be reversibly rigidly attachable to the threaded stud 50 on second adjustable ball joint 40 to rigidly connect thereto and unscrewed from the threaded stud 50 on the second adjustable ball joint 40 to disconnect therefrom. Alternately, the lower end 24 of second telescopic pointer 20 may be reversibly rigidly attachable to the second end of second adapter nut 26 and the first end of second adapter nut 26 is reversibly rigidly attachable to the second adjustable ball joint 40, wherein the first end of second adapter nut 26 may be screwed onto to the threaded stud 50 on the second

adjustable ball joint 40 to rigidly connect thereto and unscrewed from the threaded stud 50 on the second adjustable ball joint 40 to disconnect therefrom. The second adjustable ball joint 40 is reversibly rigidly attached to the upper surface of base 70 or to a second base bracket 60 and the second base bracket 60 is rigidly attached to the base 70 as described below. Second adjustable ball joint 40 functions to adjustably attach second telescopic pointer 20 to base 70 and allow the second telescopic pointer 20 to be adjusted to point in any direction relative to the base 70 and then tightened to retain this position as described below.

As stated, first adjustable ball joint 30 is attached to first telescopic pointer 10 and second adjustable ball joint 40 is attached to second telescopic pointer 20. First and second adjustable ball joints 30 and 40 are identical and are each described in the same way as follows. Threaded stud 50 is a rigid cylindrical member with an upper end, a lower end, an outside diameter, an outer surface, and a longitudinal axis. Threaded stud 50 has male threads cut into its outer surface running the full length of threaded stud 50. Stud shaft 52 is a rigid cylindrical member with an upper end, a lower end, and a longitudinal axis. Ball 53 is a rigid spherical shaped member with an upper end, a lower end, an outside diameter, and an outer surface. The lower end of threaded stud 50 is rigidly attached to the upper end of stud shaft 52 so that the longitudinal axis of threaded stud 50 is concentric with that of stud shaft 52. The outside diameter of threaded stud 50 is less than that of stud shaft 52 so that the upper end of stud shaft 52 forms a shoulder or flange at the connection point with the lower end of threaded stud. The lower end of stud shaft 52 is rigidly attached to the upper end of ball 53. Rigid attachment may be accomplished by any know means such as: weld, glue, epoxy, adhesive, rivets, clips, snaps, pins, or fasteners. In best mode, threaded stud 50, stud shaft 52, and ball 53 are machined from one piece of material so that threaded stud 50, stud shaft 52, and ball 53 are integral with one-piece construction.

Nut flange 51 is a rigid cylindrical member with a tapped center hole, an upper end, a lower end, an outside diameter, an outer surface, and a longitudinal axis. The tapped center hole on nut flange 51 is a tapped hole or a hole with female thread running along its inside surface. Tapped center hole on nut flange 51 has a longitudinal axis that is concentric with that of nut flange 51. Tapped center hole on nut flange 51 is located in the center of nut flange 51 as depicted. The threads on tapped center hole on nut flange 51 are sized to engage with the male threads on threaded stud 50. Nut flange 51 is reversibly rigidly attachable to threaded stud 50 wherein the lower end of nut flange 51 may be screwed onto to the upper end of threaded stud 50 to rigidly connect thereto and unscrewed from the threaded stud 50 to disconnect therefrom.

Nut flange 51 functions to rigidly retain first or second telescopic pointer 10 or 20 onto threaded stud 50. Nut flange 51 is installed onto threaded stud 50 by threading nut flange 51 all the way onto threaded stud 50 so the lower end of nut flange 51 contacts the upper end of stud shaft 52. Then the lower ends 14,24 of first or second telescopic pointer 10 or 20 are each installed onto threaded stud 50 by threading the lower end 14 of the first telescopic pointer 10 and the lower end 24 of the second telescopic pointer 20 onto the threaded stud 50 until the lower ends 14,24 contact the upper end of nut flange 51. Finally, the nut flange 51 is then rotated counter clockwise to unscrew the nut flange 51 until it tightens up onto the lower ends 14,24 to firmly hold first or second telescopic pointer 10 or 20 onto threaded stud 50. This procedure would be conducted on both first and second

adjustable ball joints **30** and **40** to firmly attach first and second telescopic pointers **10** and **20** respectively. Thus, the lower ends **14,24** of first or second telescopic pointer **10** or **20** are each reversibly rigidly attachable to the threaded stud **50** on the first and second adjustable ball joints **30,40** respectively.

Ball casing **54** is a rigid casing, cover, or shell that adjustably retains ball **53**. Ball **53** is installed and retained within ball casing **54**. Ball casing **54**, along with block **55**, function to receive and adjustably retain or hold ball **53** within ball casing **54**. Ball casing **54** is a rigid hollow cylindrical member with open ends. Ball casing **54** has an upper end, a lower end, an inside diameter, an outside diameter, a length, and a longitudinal axis. Ball casing **54** has first and second tapped hole, each running laterally and perpendicular to the longitudinal axis of ball casing **54**. First and second tapped holes each have female thread running along the inside surface. First and second tapped holes each run completely through ball casing **54**. The female threads on the first tapped hole are sized to engage with a knob screw **58** as described below. The female threads on the second tapped hole are sized to engage with a set screw **59** as described below. Knob screw **58** and set screw **59** function to help retain block **55** inside ball casing **54** as described below. The inside diameter of the upper end of ball casing **54** is smaller than that of the lower end of ball casing **54**. The inside diameter of the upper end of ball casing **54** is smaller than the outside diameter of ball **53** and block **55**. The inside diameter of the lower end of ball casing **54** is larger than the outside diameter of ball **53** and block **55**. This allows the ball **53** to be installed into ball casing **54** from the lower end of ball casing **54** and retained within the upper end of ball casing **54** wherein ball **53** will not fit through the upper end of ball casing **54**. Ball **53** is retained within the lower end of ball casing **54** by block **55** as described below.

Block **55** is a solid rigid cylindrical member with an upper end, an upper half, a lower end, a lower half, an outer surface, an outside diameter, a length, and a longitudinal axis. The outside diameter of block **55** is slightly smaller than the inside diameter of ball casing **54** so that block **55** may be inserted into the lower end of ball casing **54** as depicted. The upper end of block **55** has a hemispherical concave area or depression area that functions to receive the lower end of ball **53** wherein the lower end of ball **53** nests within the hemispherical concave area or depression area on the upper end of block **55**. There is a groove or channel around the outer surface of block **55** on the upper half of block **55**. The groove or channel goes completely around the outer surface of block **55**. The groove or channel has a depth, an upper wall, a bottom surface, and a lower wall. The groove or channel functions to receive the inner end of a knob screw **58** and the inner end of a set screw **59** which help retain the block **55** inside of ball casing **54** as described below. The inner ends of screws **58,59** penetrate the groove or channel when installed as depicted to catch therein and prevent block **55** from falling out through the lower end of ball casing **54**. The upper wall of the groove or channel is tapered to form an obtuse angle with the bottom surface of the groove or channel. As described below, the inner end of knob screw **58** contacts the upper wall that is tapered so that the block **55** is forced upwards as the knob screw **58** is tightened on the tapered upper wall. The angle of the tapered wall forces the block **55** upwards as the knob screw **58** is tightened. As described below, this action causes the block **55** move upwards to contact the ball **53** in order to tighten the ball **53** against the upper end of ball casing **54**, which retains the ball **53** because it has a smaller inside diameter.

This action squeezes ball **53** like a vise to clamp ball **53** and to prevent it from moving as depicted in FIG. **8A**. Alternatively, when the knob screw **58** is loosened, this allows block **55** to drop downwards thereby unclamping ball **53** and allowing ball **53** to be adjusted or moved as depicted in FIG. **8B**. There is a shoulder or flange around the lower end of block **55**. The shoulder or flange has an outside diameter that is greater than the inside diameter of ball casing **54** and about equal to the outside diameter of ball casing **54**. The shoulder or flange functions to prevent block **55** from being completely inserted into ball casing **54** where the shoulder or flange contacts the lower end of ball casing **54** which acts as stop to prevent complete insertion of block **55** into ball casing **54**, as depicted. There is a tapped hole **56** on the lower end of block **55**. Tapped hole **56** has a longitudinal axis that is coincident with that of block **55**. Tapped hole **56** is a tapped hole or a hole with female thread running along its inside surface. Tapped hole **56** has female thread that is sized to engage with a male threaded member on the upper end **62** of base bracket **60** as described below.

Knob **57** is a knob or rounded protuberance that is used a hand control or switch. Knob **57** has an outer surface, an inner surface, and a longitudinal axis. Knob screw **58** is a screw, bolt, male threaded member, or rigid cylindrical member with helical threads running along its outer surface. Knob screw **58** has an outer end, an inner end, and a longitudinal axis. The outer end of knob screw **58** is rigidly attached to the inner surface of knob **57** with the longitudinal axis of knob screw **58** concentric with that of knob **57**. The threads on knob screw **58** are sized to engage with first tapped hole on ball casing **54**.

Set screw **59** is a screw, bolt, male threaded member, or rigid cylindrical member with helical threads running along its outer surface. Set screw **59** has an outer end, an inner end, and a longitudinal axis. The threads on set screw **59** are sized to engage with second tapped hole on ball casing **54**.

To assemble first and second adjustable ball joints **30,40**, ball **53** is inserted into the lower end of ball casing **54**. Then block **55** is inserted into the lower end of ball casing **54**. Next, set screw **59** is inserted into the second tapped hole on ball casing **54** so that the inner end of set screw **59** penetrates the groove or channel on block **55**. Then knob **57** and knob screw **58** are inserted into the first tapped hole on ball casing **54** so that the inner end of knob screw **58** penetrates the groove or channel on block **55**.

Base **70** is a rigid planar member with an upper surface and a lower surface. Base **70** may be square, rectangular, circular, triangular, or any shape. In best mode, base **70** is square shaped as depicted. The upper surface of base **70** provides stable structure to support first telescopic pointer **10**, second telescopic pointer **20**, first adjustable ball joint **30**, and second adjustable ball joint **40**. Base **70** provides stable structure from which the trained clinician may easily move, arrange, or adjust the first and second focus spheres **12,22** on the ends of first and second telescopic pointers **10,20** during treatment of the client. In optional embodiments, base **70** provides stable structure to support a plurality of casters or wheels attached to the bottom surface as described below.

First and second adjustable ball joints **30,40** are rigidly attached to the upper surface of base **70**. Rigid attachment may be accomplished by any known means such as weld, glue, epoxy, adhesive, bolts, screws, rivets, clips, snaps, pins, or fasteners. On method of rigid attachment is with two male threaded members embedded within the upper surface of base **70** wherein each male threaded member protrudes perpendicularly upwards from the upper surface of base **70**.

11

Each male threaded member has threads that are sized to engage with the tapped hole 56 on the lower end of block 55. First and second adjustable ball joints 30,40 are each reversibly rigidly attached to one of the male threaded members by screwing them down onto the male threaded member until tightly attached to the male threaded member.

In alternate embodiments, first adjustable ball joint 30 is rigidly attached to the upper surface of base 70 using a first base bracket 60 and second adjustable ball joint 40 is rigidly attached to the upper surface of base 70 using a second base bracket 60. Dual telescopic pointer with adjustable ball joints 5 may further comprise: a first base bracket 60 and a second base bracket 60.

Each base bracket 60 comprises: an upper end 62 and a lower end 64. Upper end 62 of base bracket 60 comprises: a flat head bolt or screw and flat head nut flange. Flat head bolt or screw is a screw, bolt, male threaded member, or rigid cylindrical member with helical threads running along its outer surface. Flat head bolt or screw has threads on one end and a large flat head on the other end. Flat head bolt or screw has a length and a longitudinal axis. The threads on flat head bolt or screw are sized to engage with the tapped hole 56 on the lower end of block 55. Large flat head is a rigid planar member with a length and/or width that is sized to make a slip fit in the receiver on the lower end 64 of base bracket 60 as described below. Flat head nut flange is a rigid cylindrical member with a tapped center hole, an upper end, a lower end, an outside diameter, an outer surface, and a longitudinal axis. The tapped center hole is a tapped hole or a hole with female thread running along its inside surface. Tapped center hole has a longitudinal axis that is concentric with that of flat head nut flange. Tapped center hole is located in the center of flat head nut flange. The threads on tapped center hole are sized to engage with the threads on flat head bolt or screw. Flat head nut flange is reversibly rigidly attachable to flat head bolt or screw. Flat head nut flange functions to rigidly retain flat head bolt or screw within the receiver on the lower end 64 of base bracket 60 as described below.

Lower end 64 of base bracket 60 comprises a receiver with one or more screw holes. Receiver is a rigid bracket member with a flat head slot on its upper surface. Flat head slot is a set of two grooves that are spaced apart and sized to receive the large flat head on flat head bolt or screw where the flat head makes a slip fit between the two grooves. Each of the one or more screw holes is a hole for a screw. Receiver is rigidly attached to the upper surface of base 70 by fastening a screw or bolt through one or more screw holes and into the upper surface of base 70 to rigidly attach receiver to base 70. Flat head bolt or screw is reversibly rigidly attached to the receiver by sliding the large flat head on flat head bolt or screw into the flat head slot on the receiver so that the longitudinal axis of flat head bolt or screw is pointing upwards and perpendicular to the plane of base 70. Then the flat head nut flange is threaded onto the flat head bolt or screw and tightened down onto the large flat head of flat head bolt or screw to clamp down and sandwich the large flat head between the receiver and the flat head nut flange to rigidly retain flat head bolt or screw in this position.

First adjustable ball joint 30 is reversibly rigidly attached to first base bracket 60 by threading the tapped hole 56 on first adjustable ball joint 30 onto the flat head bolt or screw on the first base bracket 60. Second adjustable ball joint 40 is reversibly rigidly attached to second base bracket 60 by threading the tapped hole 56 on second adjustable ball joint 40 onto the flat head bolt or screw on the second base bracket 60.

12

Dual telescopic pointer with adjustable ball joints 5 may further comprise: a plurality of casters or wheels 80. Each caster or wheel 80 is a wheel that is designed to be attached to the bottom of a larger object. A wheel is a circular object that revolves on an axle and is fixed below an object to enable it to move easily over the ground. Each caster or wheel 80 may be a swivel caster that freely rotates 180 degrees. Each caster or wheel 80 is rigidly attached to the lower surface of base 70. Casters or wheels 80 allow the base 70 and the entire dual telescopic pointer with adjustable ball joints 5 to be rolled along the floor for easier movement and positioning of the dual telescopic pointer with adjustable ball joints 5 and the first and second focus spheres 12,22. In best mode, four swivel casters or wheels 80 are attached to the lower surface of base 70 as depicted.

The trained clinician uses dual telescopic pointer with adjustable ball joints 5 by placing it in front of a client or patient and then counseling or analyzing the client in the usual fashion while also asking the client to focus their eyes and attention on the first or second focus spheres 12,22 while periodically moving the location of the first or second focus spheres 12,22 by extending and/or retracting the first and second telescopic pointers 10,20 and/or adjusting the first or second adjustable ball joints 30,40. First and second telescopic pointers 10,20 are extended and retracted by pulling and pushing the focus sphere 12,22 to extend and retract the segments of telescopic pointer 10,20. First and second adjustable ball joints 30,40 are adjusted by: loosening the knob 57 by turning it counterclockwise, then moving or angling the telescopic pointer 10,20 to the desired direction, and tightening the knob 57 by turning it clockwise. These steps are repeated as necessary and decided upon by the trained clinician.

What is claimed is:

1. A dual telescopic pointer with adjustable ball joints comprising: a first telescopic pointer; a second telescopic pointer; a first adjustable ball joint; a second adjustable ball joint; and a base, wherein,
  - said first telescopic pointer is a telescoping or extendable pointer comprising a plurality of rigid hollow cylindrical segments that stack together or retract within each other,
  - said first telescopic pointer has a lower end and an upper end,
  - said first telescopic pointer further comprises a first focus sphere that is a rigid spherical shaped member,
  - said first focus sphere is rigidly attached to said upper end of said first telescopic pointer,
  - said first adjustable ball joint is an adjustable ball joint comprising: a threaded stud; a nut flange; a stud shaft; a ball; a ball casing; a block; a knob; a knob screw, and a set screw,
  - said second telescopic pointer is a telescoping or extendable pointer comprising a plurality of rigid hollow cylindrical segments that stack together or retract within each other,
  - said second telescopic pointer has a lower end and an upper end,
  - said second telescopic pointer further comprises a second focus sphere that is a rigid spherical shaped member,
  - said second focus sphere is rigidly attached to said upper end of said second telescopic pointer,
  - said second adjustable ball joint is an adjustable ball joint comprising: a threaded stud; a nut flange; a stud shaft; a ball; a ball casing; a block; a knob; a knob screw, and a set screw,

13

each said threaded stud on said first and second adjustable ball joints is a rigid cylindrical member with an upper end, a lower end, an outside diameter, an outer surface, and a longitudinal axis,

each said threaded stud on said first and second adjustable ball joints has male threads cut into its outer surface running the full length of said threaded stud,

each said stud shaft on said first and second adjustable ball joints is a rigid cylindrical member with an upper end, a lower end, and a longitudinal axis,

each said ball on said first and second adjustable ball joints is a rigid spherical shaped member with an upper end, a lower end, an outside diameter, and an outer surface,

each said lower end of each said threaded stud on said first and second adjustable ball joints is rigidly attached to said upper end of said stud shaft on said first and second adjustable ball joints respectively,

each said lower end of each said stud shaft on said first and second adjustable ball joints is rigidly attached to said upper end of said ball on said first and second adjustable ball joints respectively,

each said nut flange on said first and second adjustable ball joints is a rigid cylindrical member with a tapped center hole, an upper end, a lower end, an outside diameter, an outer surface, and a longitudinal axis,

each said nut flange on said first and second adjustable ball joints is reversibly rigidly attachable to said upper end of said threaded stud on said first and second adjustable ball joints respectively,

each said lower end of said first or second telescopic pointers is reversibly rigidly attachable to said upper end of said threaded stud on said first and second adjustable ball joints respectively,

each said ball casing on said first and second adjustable ball joints is a rigid casing, cover, or shell that adjustably retains said ball,

each said ball casing is a rigid hollow cylindrical member with open ends,

each said ball casing has an upper end, a lower end, an inside diameter, an outside diameter, a length, and a longitudinal axis,

each said ball casing has first and second tapped hole, each running laterally and perpendicular to said longitudinal axis of said ball casing,

each said ball on said first and second adjustable ball joints is installed and retained within said ball casing on said first and second adjustable ball joints respectively,

each said block on said first and second adjustable ball joints is a solid rigid cylindrical member with an upper end, an upper half, a lower end, a lower half, an outer surface, an outside diameter, a length, and a longitudinal axis,

each said upper end of each said block on said first and second adjustable ball joints has a hemispherical concave area or depression area that functions to receive said lower end of said ball wherein said lower end of said ball nests within said hemispherical concave area or depression area,

each said upper end of each said block on said first and second adjustable ball joints has a groove or channel around its said outer surface on its said upper half,

each said lower end of said block on said first and second adjustable ball joints has a tapped hole with a longitudinal axis that is coincident with that of said block,

14

each said knob on said first and second adjustable ball joints is a knob or rounded protuberance that is used a hand control or switch,

each said knob on said first and second adjustable ball joints has an outer surface, an inner surface, and a longitudinal axis,

each said knob screw on said first and second adjustable ball joints is a screw, bolt, male threaded member, or rigid cylindrical member with helical threads running along its outer surface,

each said knob screw on said first and second adjustable ball joints has an outer end, an inner end, and a longitudinal axis,

each said set screw on said first and second adjustable ball joints is a screw, bolt, male threaded member, or rigid cylindrical member with helical threads running along its outer surface,

each said set screw on said first and second adjustable ball joints has an outer end, an inner end, and a longitudinal axis,

each said outer end of each said knob screw is rigidly attached to said inner surface of each said knob on said first and second adjustable ball joints respectively,

each said set screw on said first and second adjustable ball joints is reversibly rigidly attachable to each said second tapped hole on each said ball casing on said first and second adjustable ball joints respectively,

each said knob screw on said first and second adjustable ball joints is reversibly rigidly attachable to each said first tapped hole on each said ball casing on said first and second adjustable ball joints respectively,

said base is a rigid planar member with an upper surface and a lower surface,

said block on said first adjustable ball joint is reversibly rigidly attachable to said upper surface of said base,

said block on said second adjustable ball joint is reversibly rigidly attachable to said upper surface of said base,

said lower end of said first telescopic pointer is reversibly rigidly attachable to said upper end of said threaded stud on said first adjustable ball joint, and

said lower end of said second telescopic pointer is reversibly rigidly attachable to said upper end of said threaded stud on said second adjustable ball joint.

2. A dual telescopic pointer with adjustable ball joints comprising: a first telescopic pointer; a second telescopic pointer; a first adapter nut; a second adapter nut; a first adjustable ball joint; a second adjustable ball joint; and a base, wherein,

said first telescopic pointer is a telescoping or extendable pointer comprising a plurality of rigid hollow cylindrical segments that stack together or retract within each other,

said first telescopic pointer has a lower end and an upper end,

said first telescopic pointer further comprises a first focus sphere that is a rigid spherical shaped member,

said first focus sphere is rigidly attached to said upper end of said first telescopic pointer,

said first adjustable ball joint is an adjustable ball joint comprising: a threaded stud; a nut flange; a stud shaft; a ball; a ball casing; a block; a knob; a knob screw, and a set screw,

said second telescopic pointer is a telescoping or extendable pointer comprising a plurality of rigid hollow cylindrical segments that stack together or retract within each other,



15

said second telescopic pointer has a lower end and an upper end,  
 said second telescopic pointer further comprises a second focus sphere that is a rigid spherical shaped member, said second focus sphere is rigidly attached to said upper end of said second telescopic pointer,  
 said second adjustable ball joint is an adjustable ball joint comprising: a threaded stud; a nut flange; a stud shaft; a ball; a ball casing; a block; a knob; a knob screw, and a set screw,  
 said first adapter nut that is a rigid cylindrical member with a first end and a second end, wherein said first end has a threaded hole or tapped hole thereon and said second end has a threaded hole or tapped hole thereon, said lower end of said first telescopic pointer is reversibly rigidly attachable to said second end of said first adapter nut,  
 said second adapter nut is a rigid cylindrical member with a first end and a second end, wherein said first end has a threaded hole or tapped hole thereon and said second end has a threaded hole or tapped hole thereon,  
 said lower end of said second telescopic pointer is reversibly rigidly attachable to said second end of said second adapter nut,  
 each said threaded stud on said first and second adjustable ball joints is a rigid cylindrical member with an upper end, a lower end, an outside diameter, an outer surface, and a longitudinal axis,  
 each said threaded stud on said first and second adjustable ball joints has male threads cut into its outer surface running the full length of said threaded stud,  
 each said stud shaft on said first and second adjustable ball joints is a rigid cylindrical member with an upper end, a lower end, and a longitudinal axis,  
 each said ball on said first and second adjustable ball joints is a rigid spherical shaped member with an upper end, a lower end, an outside diameter, and an outer surface,  
 each said lower end of each said threaded stud on said first and second adjustable ball joints is rigidly attached to said upper end of said stud shaft on said first and second adjustable ball joints respectively,  
 each said lower end of each said stud shaft on said first and second adjustable ball joints is rigidly attached to said upper end of said ball on said first and second adjustable ball joints respectively,  
 each said nut flange on said first and second adjustable ball joints is a rigid cylindrical member with a tapped center hole, an upper end, a lower end, an outside diameter, an outer surface, and a longitudinal axis,  
 each said nut flange on said first and second adjustable ball joints is reversibly rigidly attachable to said upper end of said threaded stud on said first and second adjustable ball joints respectively,  
 each said lower end of said first or second telescopic pointers is reversibly rigidly attachable to said upper end of said threaded stud on said first and second adjustable ball joints respectively,  
 each said ball casing on said first and second adjustable ball joints is a rigid casing, cover, or shell that adjustably retains said ball,  
 each said ball casing is a rigid hollow cylindrical member with open ends,  
 each said ball casing has an upper end, a lower end, an inside diameter, an outside diameter, a length, and a longitudinal axis,

16

each said ball casing has first and second tapped hole, each running laterally and perpendicular to said longitudinal axis of said ball casing,  
 each said ball on said first and second adjustable ball joints is installed and retained within said ball casing on said first and second adjustable ball joints respectively,  
 each said block on said first and second adjustable ball joints is a solid rigid cylindrical member with an upper end, an upper half, a lower end, a lower half, an outer surface, an outside diameter, a length, and a longitudinal axis,  
 each said upper end of each said block on said first and second adjustable ball joints has a hemispherical concave area or depression area that functions to receive said lower end of said ball wherein said lower end of said ball nests within said hemispherical concave area or depression area,  
 each said upper end of each said block on said first and second adjustable ball joints has a groove or channel around its said outer surface on its said upper half,  
 each said lower end of said block on said first and second adjustable ball joints has a tapped hole with a longitudinal axis that is coincident with that of said block,  
 each said knob on said first and second adjustable ball joints is a knob or rounded protuberance that is used a hand control or switch,  
 each said knob on said first and second adjustable ball joints has an outer surface, an inner surface, and a longitudinal axis,  
 each said knob screw on said first and second adjustable ball joints is a screw, bolt, male threaded member, or rigid cylindrical member with helical threads running along its outer surface,  
 each said knob screw on said first and second adjustable ball joints has an outer end, an inner end, and a longitudinal axis,  
 each said set screw on said first and second adjustable ball joints is a screw, bolt, male threaded member, or rigid cylindrical member with helical threads running along its outer surface,  
 each said set screw on said first and second adjustable ball joints has an outer end, an inner end, and a longitudinal axis,  
 each said outer end of each said knob screw is rigidly attached to said inner surface of each said knob on said first and second adjustable ball joints respectively,  
 each said set screw on said first and second adjustable ball joints is reversibly rigidly attachable to each said second tapped hole on each said ball casing on said first and second adjustable ball joints respectively,  
 each said knob screw on said first and second adjustable ball joints is reversibly rigidly attachable to each said first tapped hole on each said ball casing on said first and second adjustable ball joints respectively,  
 said first end of said first adapter nut is reversibly rigidly attachable to said upper end of said threaded stud on said first adjustable ball joint,  
 said first end of said second adapter nut is reversibly rigidly attachable to said upper end of said threaded stud on said second adjustable ball joint,  
 said base is a rigid planar member with an upper surface and a lower surface,  
 said block on said first adjustable ball joint is reversibly rigidly attachable to said upper surface of said base, and said block on said second adjustable ball joint is reversibly rigidly attachable to said upper surface of said base.

3. A dual telescopic pointer with adjustable ball joints comprising: a first telescopic pointer; a second telescopic pointer; a first adapter nut; a second adapter nut; a first adjustable ball joint; a second adjustable ball joint; a first base bracket; a second base bracket; and a base, wherein,

5 said first telescopic pointer is a telescoping or extendable pointer comprising a plurality of rigid hollow cylindrical segments that stack together or retract within each other,

said first telescopic pointer has a lower end and an upper end,

said first telescopic pointer further comprises a first focus sphere that is a rigid spherical shaped member,

said first focus sphere is rigidly attached to said upper end of said first telescopic pointer,

15 said first adjustable ball joint is an adjustable ball joint comprising: a threaded stud; a nut flange; a stud shaft; a ball; a ball casing; a block; a knob; a knob screw, and a set screw,

said second telescopic pointer is a telescoping or extendable pointer comprising a plurality of rigid hollow cylindrical segments that stack together or retract within each other,

said second telescopic pointer has a lower end and an upper end,

25 said second telescopic pointer further comprises a second focus sphere that is a rigid spherical shaped member,

said second focus sphere is rigidly attached to said upper end of said second telescopic pointer,

said second adjustable ball joint is an adjustable ball joint comprising: a threaded stud; a nut flange; a stud shaft; a ball; a ball casing; a block; a knob; a knob screw, and a set screw,

said first adapter nut that is a rigid cylindrical member with a first end and a second end, wherein said first end has a threaded hole or tapped hole thereon and said second end has a threaded hole or tapped hole thereon,

said lower end of said first telescopic pointer is reversibly rigidly attachable to said second end of said first adapter nut,

40 said second adapter nut is a rigid cylindrical member with a first end and a second end, wherein said first end has a threaded hole or tapped hole thereon and said second end has a threaded hole or tapped hole thereon,

said lower end of said second telescopic pointer is reversibly rigidly attachable to said second end of said second adapter nut,

each said threaded stud on said first and second adjustable ball joints is a rigid cylindrical member with an upper end, a lower end, an outside diameter, an outer surface, and a longitudinal axis,

each said threaded stud on said first and second adjustable ball joints has male threads cut into its outer surface running the full length of said threaded stud,

each said stud shaft on said first and second adjustable ball joints is a rigid cylindrical member with an upper end, a lower end, and a longitudinal axis,

each said ball on said first and second adjustable ball joints is a rigid spherical shaped member with an upper end, a lower end, an outside diameter, and an outer surface,

60 each said lower end of each said threaded stud on said first and second adjustable ball joints is rigidly attached to said upper end of said stud shaft on said first and second adjustable ball joints respectively,

each said lower end of each said stud shaft on said first and second adjustable ball joints is rigidly attached to

said upper end of said ball on said first and second adjustable ball joints respectively,

each said nut flange on said first and second adjustable ball joints is a rigid cylindrical member with a tapped center hole, an upper end, a lower end, an outside diameter, an outer surface, and a longitudinal axis,

each said nut flange on said first and second adjustable ball joints is reversibly rigidly attachable to said upper end of said threaded stud on said first and second adjustable ball joints respectively,

each said lower end of said first or second telescopic pointers is reversibly rigidly attachable to said upper end of said threaded stud on said first and second adjustable ball joints respectively,

each said ball casing on said first and second adjustable ball joints is a rigid casing, cover, or shell that adjustably retains said ball,

each said ball casing is a rigid hollow cylindrical member with open ends,

each said ball casing has an upper end, a lower end, an inside diameter, an outside diameter, a length, and a longitudinal axis,

each said ball casing has first and second tapped hole, each running laterally and perpendicular to said longitudinal axis of said ball casing,

each said ball on said first and second adjustable ball joints is installed and retained within said ball casing on said first and second adjustable ball joints respectively,

each said block on said first and second adjustable ball joints is a solid rigid cylindrical member with an upper end, an upper half, a lower end, a lower half, an outer surface, an outside diameter, a length, and a longitudinal axis,

each said upper end of each said block on said first and second adjustable ball joints has a hemispherical concave area or depression area that functions to receive said lower end of said ball wherein said lower end of said ball nests within said hemispherical concave area or depression area,

each said upper end of each said block on said first and second adjustable ball joints has a groove or channel around its said outer surface on its said upper half,

each said lower end of said block on said first and second adjustable ball joints has a tapped hole with a longitudinal axis that is coincident with that of said block,

each said knob on said first and second adjustable ball joints is a knob or rounded protuberance that is used a hand control or switch,

each said knob on said first and second adjustable ball joints has an outer surface, an inner surface, and a longitudinal axis,

each said knob screw on said first and second adjustable ball joints is a screw, bolt, male threaded member, or rigid cylindrical member with helical threads running along its outer surface,

each said knob screw on said first and second adjustable ball joints has an outer end, an inner end, and a longitudinal axis,

each said set screw on said first and second adjustable ball joints is a screw, bolt, male threaded member, or rigid cylindrical member with helical threads running along its outer surface,

65 each said set screw on said first and second adjustable ball joints has an outer end, an inner end, and a longitudinal axis,

19

each said outer end of each said knob screw is rigidly attached to said inner surface of each said knob on said first and second adjustable ball joints respectively, each said set screw on said first and second adjustable ball joints is reversibly rigidly attachable to each said second tapped hole on each said ball casing on said first and second adjustable ball joints respectively, each said knob screw on said first and second adjustable ball joints is reversibly rigidly attachable to each said first tapped hole on each said ball casing on said first and second adjustable ball joints respectively, said first end of said first adapter nut is reversibly rigidly attachable to said upper end of said threaded stud on said first adjustable ball joint, said first end of said second adapter nut is reversibly rigidly attachable to said upper end of said threaded stud on said second adjustable ball joint, each said first and second base bracket comprises: an upper end and a lower end, each said upper end of said first and second of base brackets comprises: a flat head bolt or screw and flat head nut flange, each said flat head bolt or screw is a screw, bolt, male threaded member, or rigid cylindrical member with helical threads running along its outer surface with a large flat head on one end, each said flat head nut flange is a rigid cylindrical member with a tapped center hole, an upper end, a lower end, an outside diameter, an outer surface, and a longitudinal axis,

20

each said lower end of said first and second of base brackets comprises a receiver with one or more screw holes, each said receiver is a rigid bracket member with a flat head slot on its upper surface, each said flat head slot is a set of two grooves that are spaces apart or sized to receive said large flat head on said flat head bolt or screw, each said one or more screw holes is a hole for a screw, said base is a rigid planar member with an upper surface and a lower surface, each said receiver is rigidly attached to said upper surface of said base by fastening a screw or bolt through said one or more screw holes and into said upper surface of said base, each said flat head bolt or screw is reversibly rigidly attached to said receiver by sliding said large flat head on said flat head bolt or screw into said flat head slot on said receiver, each said flat head nut flange is reversibly rigidly attachable to said flat head bolt or screw, said tapped hole on said first adjustable ball joint is reversibly rigidly attached to said flat head bolt or screw on said first base bracket, and said tapped hole on said second adjustable ball joint is reversibly rigidly attached to said flat head bolt or screw on said second base bracket.

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