Claims:

1. A tubular handling system, comprising:

a trough having two exterior channels and an interior channel disposed between the two exterior channels, wherein the two exterior channels and the interior channel are disposed along a longitudinal length of the trough and configured to support at least one tubular;

an exterior kicker disposed in each of the exterior channels and configured to move the tubular from one of the exterior channels to the interior channel or from one of the exterior channels to a position out of the trough; and

an interior kicker disposed in the interior channel and configured to move the tubular from the interior channel to one of the exterior channels.

2. The system of claim 1, wherein the exterior kicker includes a first kicker having a pipe receiving surface that is inclined in a first direction, a second kicker having a pipe receiving surface that is substantially horizontal, and a third kicker having a pipe receiving surface that is inclined in a second direction opposite the first direction.

3. The system of claim 2, wherein the pipe receiving surfaces of the first kicker, the second kicker, and the third kicker are each independently movable relative to the trough between an extended positon and a retracted position.

4. The system of claim 3, wherein the first kicker is configured to move the tubular from one of the exterior channels to the interior channel, and wherein the third kicker is configured to move the tubular from one of the exterior channels to the position out of the trough.

5. The system of claim 4, further comprising a plurality of exterior kickers disposed in each of the exterior channels and spaced apart along the two exterior channels, and a plurality of interior kickers disposed in the interior channel and spaced apart along the interior channel.

6. A tubular handling system, comprising:

a trough;

a first kicker having a pipe receiving surface that is inclined in a first direction;

a second kicker having a pipe receiving surface that is substantially horizontal; and

a third kicker having a pipe receiving surface that is inclined in a second direction opposite the first direction;

wherein the first kicker, the second kicker, and the third kicker are each disposed in the trough; and

wherein the pipe receiving surfaces of the first kicker, the second kicker, and the third kicker are each independently movable relative to the trough between an extended positon and a retracted position.

7. The system of claim 6, wherein a portion of the pipe receiving surface of the first kicker is curved.

8. The system of claim 6, wherein the first, second, and third kickers are movable between the extended and retracted position by a linear actuator.

9. The system of claim 6, wherein the first, second, and third kickers each extend along vertical paths while maintaining engagement with a tubular.

10. The system of claim 6, wherein the trough has an exterior channel and an interior channel, and wherein the first, second, and third kickers are disposed in the exterior channel.

11. The system of claim 10, wherein the first kicker is configured to move a tubular from the exterior channel to the interior channel when in the extended position.

12. The system of claim 11, wherein the third kicker is configured to move the tubular from the exterior channel to a position out of the trough when in the extended position.

13. The system of claim 12, wherein the tubular is configured to bypass the exterior channel and roll across the second kicker when in the extended position.

14. A kicker and transfer assembly, comprising:

a trough;

a set of exterior kickers disposed in the trough and comprising:

a first kicker having a pipe receiving surface that is inclined in a first direction;

a second kicker having a pipe receiving surface that is substantially horizontal; and

a third kicker having a pipe receiving surface that is inclined in a second direction opposite the first direction;

wherein the first kicker, the second kicker, and the third kicker are each independently movable in a substantially vertical direction; and

an interior kicker disposed adjacent to the set of exterior kickers, wherein the interior kicker is movable toward the set of exterior kickers in a substantially inclined direction.

15. The assembly of claim 14, wherein a portion of the pipe receiving surface of the first kicker is curved.

16. The assembly of claim 14, wherein the interior kicker has a pipe receiving surface that is inclined in the same direction as the third kicker.

17. The assembly of claim 14, wherein the set of exterior kickers are movable in the substantially vertical direction by a linear actuator.

18. The assembly of claim 17, wherein the linear actuator is a piston/cylinder assembly.

19. The assembly of claim 14, wherein the trough has an exterior channel and an interior channel, wherein the set of exterior kickers are disposed in the exterior channel, and wherein the interior kicker is disposed in the interior channel.