

19. The blowout preventer of claim 18, wherein each of the plurality of ram blocks of the ram block carrier corresponds to one of the other plurality of ram blocks of the other ram block carrier.

20. The blowout preventer of claim 10, further comprising a ram block hydraulic actuator configured to move the one or more ram blocks.

21. The blowout preventer of claim 10, further comprising:
a piston;
an exterior actuating rod attached to the piston;
an interior actuating rod attached to the piston; and
a connector on an end of the interior actuating rod for making contact with and moving the one or more ram blocks.

22. The blowout preventer of claim 10, further comprising a ram block mechanical actuator configured to move the one or more ram blocks.

23. The blowout preventer of claim ~~20~~21, further comprising:
a mechanical actuator stem; and
a push rod threadedly engaged to the mechanical actuator stem,
wherein in response to rotating the mechanical actuator stem, the push rod pushes the exterior actuating rod into the piston and the interior actuating rod, and the one or more ram blocks are moved.

24. The blowout preventer of claim 10, further comprising one or more doors attached to the housing by fasteners.

25. The blowout preventer of claim 10, wherein the one or more doors are circular doors configured to be opened by removing the fasteners.