This invention relates to a shower-bath fixture and more particularly to an adjustable shower-bath fixture adapted to be mounted on a wall upon the projecting end of a water supply pipe or the like in place of the ordinary shower-bath fixture to afford an improved fixture which is adapted to be adjusted longitudinally of its length whereby an auxiliary spray attachment may be raised or lowered with respect to the main spray attachment thereby affording a fixture wherein the lower or auxiliary spray may be adjusted to spray water onto different portions of the body by adjusting a telescoping pipe extension which supports the auxiliary spray on the supply pipe or union which also supports the main spray fixture.

It is an object of this invention to provide a telescoping shower-bath fixture provided with a plurality of spraying nozzles which are adaptably supported in place and are adapted to be adjusted with respect to one another by means of a telescoping connection between the nozzles.

It is also an object of this invention to provide an improved adjustable shower fixture which may readily be mounted in place and which is provided with a telescoping pipe extension arrangement whereby one of a plurality of spray nozzles may be moved toward or away from another or main spray nozzle.

It is an important object of this invention to provide an adjustable shower fixture which may be mounted on the ordinary water supply pipe in place of the old type of shower fixture and which is so arranged that a secondary or auxiliary spray fixture is connected with a main spray fixture by telescoping pipe connections to permit the secondary spray fixture to be adjusted vertically when the main fixture is mounted in position so that the spray from said adjustable fixture may be directed transversely to different portions of the body of a person using the shower.

Other and further important objects of this invention will be apparent from the disclosures in the specification and the accompanying drawings.

This invention (in a preferred form) is illustrated in the drawings and hereinafter more fully described.

On the drawings:

Figure 1 is a side elevation of an improved adjustable shower fixture mounted in position upon a wall and illustrating the longitudinal adjustment of the fixture in dotted lines.

Figure 2 is an enlarged longitudinal fragmentary section of the adjustable shower fixture with parts shown in elevation.

Figure 3 is a fragmentary longitudinal section taken on line III—III of Figure 2 and illustrating the position of the telescoping inner tube when extended to its lower level.

As shown on the drawings:

The improved adjustable shower fixture is of a type lending itself to conveniently replace an old style shower head without disturbing or altering the supply pipe on which the old type of shower head was supported.

The reference numeral 1 indicates a wall or vertical support from which projects a water supply pipe connected with any suitable source of supply. On old installations the shower head may be removed from the supply pipe and the improved adjustable shower fixture may be mounted in place on the same supply pipe without requiring any alterations. Mounted on the projecting end of the supply pipe is a mounting ring 2 provided with a chamber or recess 3 and with a central opening through which an arm 4 of a three-way or T-union is adapted to project. A second arm 5 of the T-union is bent downwardly and is internally threaded to receive the threaded shank 6 formed on one end of a control valve denoted as a whole by the reference numeral 7. The control valve is provided with any desired type of valve operable by means of the valve stem 8 on the outer end of which a valve operating handle or disc 9 is mounted to facilitate the operation of the valve mechanism. The main control valve 7 controls the flow of water through the arms 4 and 5 of the T-union into a main shower head, spray nozzle or douche head 10 which is connected with the valve housing by means of a universal joint or coupling 11.
which permits the shower head 10 to be moved into different positions.

Threaded or otherwise rigidly secured in the third arm 12 of the main union is the externally threaded end of a main tube or pipe 13 in which a collar 14 is slidably engaged. The collar 14 is secured on the upper threaded end of an intermediate pipe extension 15 which telescopes in the main pipe 13 and in turn affords a chamber for a third or lower pipe extension 16. Rigidly engaged on the upper or inner end of the lower telescoping pipe 16 is a collar 17 (Fig. 3) which slidably fits the interior of the intermediate pipe 15.

Externally engaged around the lower threaded end of the main tube or pipe 13 is an exterior collar 18 provided with a shoulder 19 against which the lower end of the main tube 13 is adapted to seat as clearly illustrated in Figure 2. The collar 18 is provided with an extension of reduced diameter through which the intermediate pipe of pipe 15 is adapted to slidably fit. The collar 14 on the inner end of the intermediate pipe 15 is adapted to seat against the shoulder 19 when said intermediate pipe is fully extended. Engaged around the intermediate pipe 15 and threaded on to the extension 20 of the collar 18 is a packing housing or collar 21 containing a packing 22 which is adapted to be compressed between the collar 21 and the extension 20 of the collar 18 to afford a non-leaking joint around the intermediate tube 15. A lock ring 23 is engaged on the reduced lower externally threaded shank of the packing housing or ring 21. Engaged on the externally threaded lower end of the intermediate tube 15 is a coupling collar 24 having a shank 25 of reduced diameter through which the lower telescoping tube 16 slidably projects. Engaged around the lower tube 16 and secured upon the shank 25 of the coupling 24 is a packing housing 26 adapted to compress a packing 27 between the shank 25 and the interior of the packing housing 26 as clearly illustrated in Figure 3. Engaged on the externally threaded reduced shank end 28 of the packing housing 26 is a locking ring 29. The upper locking ring 29 engages over an exterior flange or ring 30 which is integrally formed exteriorly upon the lower portion of the intermediate tube 15. The lower locking ring 29 is positioned to engage over the lower flange or ring 31 integrally formed around the lower exterior end of the bottom or innermost telescoping tube 16.

Threaded upon the lower externally threaded end of the innermost telescoping tube 16 is an auxiliary control valve housing 32 provided with a valve stem 33 having a handle or operating disc head 34 secured on the projecting end thereof to permit operation of the valve within the housing 32. Connected to the lower auxiliary valve housing 32 by means of a universal joint 35 is a lower or auxiliary spray nozzle, or douche 36.

The improved adjustable shower fixture is adapted to be readily mounted on a water supply pipe projecting from a wall or the like and normally is arranged to be mounted in collapsed position as indicated in full lines in Figure 1, with the locking rings 28 and 29 engaged respectively on the threaded shank of the packaging housings 21 and 26 thereby holding the auxiliary shower head, spray nozzle or douche 36 in its uppermost position whereby sprays of water may be projected against the upper portion of a person's body when the valve 32 is opened by adjusting the valve control handle or disc 34. The universal coupling or joint 35 permits the auxiliary nozzle or spray head 36 to be swung into different positions of adjustment with respect to the valve housing 21 so that the entire combination affords an arrangement whereby the spray from the lower or auxiliary spray nozzle, or douche may be directed in any desired direction.

The main or upper spray head or showering nozzle 10 may also be adjusted into different positions with respect to the valve housing 7 due to the provision of the universal coupling or joint 11 between the shower nozzle 10 and the valve housing 7.

When it is desired to lower the auxiliary spray nozzle or douche 36 the locking ring 29 is unthreaded from the shank portion of the packing housing 21, thereby unlocking the middle or intermediate extension tube 15 which may now be pulled downwardly out of the main tube 13 to lower the position of the douche or spray nozzle 36 so that streams of water may be directed around the intermediate portions of a person's body. When it is desired to direct sprays of water around the lower limbs or feet of a person's body, the locking ring 29 is unthreaded from the threaded shank 28 of the packing housing 26 whereby permitting the innermost or lower extension tube 16 to be pulled out of the intermediate tube 15 to lower the auxiliary douche or spray nozzle 36 into the position illustrated in dotted lines in Figure 1.

It will thus be noted that with the telescoping arrangement of the tubes 13, 15, and 16 that the auxiliary spray nozzle or douche 36 may not only be lowered or raised into different positions, but that the tubes 15 and 16 may be rotated with respect to one another to swing the auxiliary spray nozzle through an arc in addition to the adjustment permitted by the universal or-ball joint 35.

The improved adjustable shower fixture affords a combination overhead shower with a telescopic extension, carrying a douche or spray nozzle permitting the lower portions and intermediate portions of a person's body...
to be subjected to sprays of water from the side.

In new installations it will be understood
that the combination bath-tub faucet fixtures
may be entirely omitted as the bath-tub can
be readily filled by extending the telescoping
pipes downwardly so that the auxiliary
douche or spray nozzle may direct water di-
rectly into the tub to fill the same.

It will of course be understood that many
changes may be made and numerous details
of construction may be varied through a
wide range without departing from the prin-
ciples of this invention, and it is therefore
not purposed limiting the patent granted
hereon otherwise than necessitated by the
scope of the appended claims.

I claim as my invention:

1. A shower fixture comprising a support
adapted to be rigidly connected with a sup-
ply pipe, a main shower nozzle adjustably
connected to said support, a plurality of
telescoping tubes suspended from said sup-
port, packing units between said telescoping
tubes, rings for locking the tubes in col-
lapsed relation, and an auxiliary spray
nozzle adjustably connected with one of said
tubes.

2. A shower fixture comprising a rigid sup-
port, a shower nozzle adjustably connected
therewith, a main tube rigidly secured to said
support, auxiliary tubes telescoping with
said main tube and with one another, packing
units between the telescoping tubes, locking
rings associated with the packing units to
hold the tubes locked against extension, and
an auxiliary spray nozzle supported on the
end of one of said tubes and adapted to be
raised or lowered with respect to the main
shower nozzle when the locking means are
released to permit extension of the telescoping
tubes.

3. An adjustable shower fixture comprising
a support adapted to be rigidly connected
with a water supply pipe, a main valve con-
ected with said support, a shower nozzle
adjustably connected with said main valve,
a plurality of telescoping tubes suspended
from said support, an auxiliary valve mount-
ed on the end of one of said tubes, an aux-
iliary spray nozzle, means for adjustably
connecting the auxiliary spray nozzle with
said auxiliary control valve, and a plurality
of locking rings associated with said telescoping
tubes and adapted to be released to
permit the tubes to be extended with respect
to one another to adjust the auxiliary spray
nozzle to different elevations to permit show-
ering of different parts of the body.

In testimony whereof I have hereunto sub-
scribed my name at Chicago, Cook County,
Illinois.

JAMES W. KELLY.