QGIS Application - Bug report #19843
Update SQL Layer converts query to table name

2018-09-13 05:53 PM - Etienne Racine

Status:	Closed			
Priority:	Normal			
Assignee:	Alessandro Pasotti			
Category:	DB Manager			
Affected QGIS version:	3.2.1	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	fixed/implemented	
Crashes QGIS or corrupts data:		**Copied to github as #:**	27667	

Description

When using the query builder, queries get converted to a table name when updating the query (right-clic on the layer > Update SQL Layer...).

It is something I observed in previous 3.x versions as well.
Here's my recipe to reproduce the issue in the QGIS 3.2.1-Bonn (1edf372fb8)

> *In the database manager: menu > Database > DB Manager > connect to a database*
> *(I'm connected to a postgis database)*
> *Once connected, open the SQL Window (F2)*
> *Load the following Query (check `load new layer`, select the `geom` column and then clic load):*
> *`select st_setsrid(st_point(0, 0), 4326) as geom`*
>
> *Then edit the newly created layer (probably named QueryLayer) in the Layers panel:*
> *right-clic on the layer > Update SQL Layer...*
>
> *I get the following error:*
> *An error occured when running a query:*
> *relation "select st_setsrid(st_point(0, 0), 4326) as geom" does not exist*
> *LINE 1: SELECT * FROM "select st_setsrid(st_point(0, 0), 4326) as ge...*
> *^*
> *Query:*
> *SELECT * FROM "select st_setsrid(st_point(0, 0), 4326) as geom*
> *"*

The whole query was converted to a table name. Same thing with CTEs (WITH).

Related issues:

Duplicates QGIS Application - Bug report # 18244: DB Manager: "Update SQL lay...	**Closed**	2018-02-27
Duplicated by QGIS Application - Bug report # 19926: Editing the expression f...	**Closed**	2018-09-24

Associated revisions

Revision a8bf1b8f - 2018-09-20 12:43 PM - Alessandro Pasotti

[dbmanager] Fix Update SQL Layer converts query to table name

Fixes #19843

History

#1 - 2018-09-14 06:31 PM - Giovanni Manghi

- Status changed from Open to Feedback

Does it work as expected on 2.18?

#2 - 2018-09-18 06:16 PM - Alessandro Pasotti

- Assignee set to Alessandro Pasotti

#3 - 2018-09-20 12:46 PM - Alessandro Pasotti

- Status changed from Feedback to In Progress

- Pull Request or Patch supplied changed from No to Yes

PR https://github.com/qgis/QGIS/pull/7966

#4 - 2018-09-20 02:45 PM - Jérôme Guélat

I guess this is the same #18244

Thanks for fixing it!

#5 - 2018-09-20 02:55 PM - Jürgen Fischer

- Duplicates Bug report #18244: DB Manager: "Update SQL layer" error added

#6 - 2018-09-21 09:55 AM - Anonymous

- Status changed from In Progress to Closed

- % Done changed from 0 to 100

Applied in changeset commit:qgis|a8bf1b8f05ac2d569fd58bdf9951e8a756344a5e.

#7 - 2018-09-21 09:56 AM - Alessandro Pasotti

- Resolution set to fixed/implemented

#8 - 2018-09-24 09:39 AM - Alessandro Pasotti

- Duplicated by Bug report #19926: Editing the expression for a SQL layer corrupts the SQL expression added

#9 - 2018-09-25 02:33 PM - Lars Kellogg-Stedman

Should this be fixed in commit:208571a? With that version of the code, selecting "Update SQL Layer..." still produces a database error, although a slightly different one:

near "(": syntax error

And instead of treating the existing query as a table name, it is now trying to surround the entire expression with parentheses:

(select ... from ...)

This appears to be an artifact of how the query expression is stored; looking at the layer source, I see:

dbname='lic.db' table="(select ... from ...)" (geom) sql=

Those parentheses result in the syntax error when trying to execute the expression in the DB manager.

#10 - 2018-09-25 06:27 PM - Giovanni Manghi

Lars Kellogg-Stedman wrote:

> *Should this be fixed in commit:208571a? With that version of the code, selecting "Update SQL Layer..." still produces a database error, although a slightly different one:*

this commit is more recent than the one of the fix. Please file a new ticket then.

#11 - 2018-09-26 02:30 PM - Lars Kellogg-Stedman

Sure. I thought this was the same problem (e.g., the fix was not actually a complete fix) and was more appropriate here, but I'm happy to open a new ticket instead.