

1. Table Structure in MYSQL Database (Workbench-Test.sql)

```
# HeidiSQL Dump
#
# -----
# Host:                172.30.4.105
# Database:            workbench_test
# Server version:      5.0.50-enterprise-gpl-nt
# Server OS:           Win32
# Target-Compatibility: Same as source server (MySQL 5.0.50-enterprise-gpl-nt)
# max_allowed_packet:  1048576
# HeidiSQL version:    3.2 Revision: 1129
# -----

/*!40100 SET CHARACTER SET latin1*/;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0*/;

#
# Table structure for table 'tablename'
#

CREATE TABLE `tablename` (
  `field_integer` int(10) unsigned NOT NULL default '0',
  `field_varchar50` varchar(50) default NULL,
  `field_text` text,
  `field_float` float unsigned default NULL,
  `field_tinyint1` tinyint(1) default NULL,
  `field_double` double unsigned default NULL,
  PRIMARY KEY (`field_integer`)
) ENGINE=MyISAM /*!40100 DEFAULT CHARSET=latin1*/;

/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS*/;
```

2. Table structure (Workbench-Test.mwb)

Column Name	Datatype	NN	AI	Default
field_integer	INT(10)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
field_varchar50	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	
field_text	TEXT	<input type="checkbox"/>	<input type="checkbox"/>	
field_float	FLOAT	<input type="checkbox"/>	<input type="checkbox"/>	
field_tinyint1	TINYINT(1)	<input type="checkbox"/>	<input type="checkbox"/>	
field_double	DOUBLE	<input type="checkbox"/>	<input type="checkbox"/>	

3. Problem

If we're synchronizing the old structure (1) with the Workbench-structure (which is the same definition as 1), the Workbench tries to make some changes:

```
SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;
SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='TRADITIONAL';
```

```
ALTER TABLE `workbench_test`.`tablename` CHANGE COLUMN `field_integer`  
`field_integer` INT(10) NOT NULL , CHANGE COLUMN `field_float` `field_float`  
FLOAT(256) NULL DEFAULT NULL , CHANGE COLUMN `field_double` `field_double`  
DOUBLE(256) NULL DEFAULT NULL ;
```

```
SET SQL_MODE=@OLD_SQL_MODE;  
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;  
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```

which causes an error:

Error 1063: Incorrect column specifier for column 'field_float'

```
ALTER TABLE `workbench_test`.`tablename` CHANGE COLUMN `field_integer`  
`field_integer` INT(10) NOT NULL , CHANGE COLUMN `field_float` `field_float`  
FLOAT(256) NULL DEFAULT NULL , CHANGE COLUMN `field_double` `field_double`  
DOUBLE(256) NULL DEFAULT NULL  
SQL script execution finished: statements: 6 succeeded, 1 failed
```

We think that's a bug?! Why is the Workbench trying to alter columns which has not been changed?