

SPECIFICATION OF AN ORGAN for COLUMBIA UNIVERSITY prepared by
Ernest M. Skinner & Company for George Foster Peabody.

Compass of Manuals C C to G, 61 Notes;

Compass of Pedals CCC to G, 32 Notes;

Great Organ 18 stops

16' Diapason	Metal	61 Pipes
8' 1st Diapason	"	61 Pipes
8' 2d Diapason	"	61 "
8' Gross Floete	Wood	61 "
8' Erzahler	Metal	61 "
8' Gamba	"	61 "
8' Gedackt	Wood	Unified with Swell "
4' Octave	Metal	61 "
4' Flute	Wood	61 "
2' Fifteenth	Metal	61 "
16' Trumpet	"	Unified with Swell
8' Trumpet	"	73 "
4' Clarion	"	Unified with Swell

Swell Organ 18 Stops

16' Bourdon	Wood	61 "
8' 1st Diapason	Metal	61 "
8' 2d Diapason	"	61 "
8' Gross Flute	wood	61 "
8' Spitz Floete	metal	61 "
8' Salicional	"	61 "
8' Voix Celestes	"	61 "
8' Gedackt	Wood	61 "

Swell Organ Stops

8' Aeoline	Metal	61 Pipes
4' Flute	Wood	61 "
4' Octave	Metal	61 "
2' Flautino	"	61 "
Cornet 3 Ranks	"	183 "
16' Trumpet	"	61 "
8' Cornopean	"	73 "
8' Oboe	"	61 "
8' Vox Humana	"	61 "
4' Clarion	"	61 "
<i>Gremolo</i>		

Choir Organ 12 stops

16' Dulciana	"	61 "
8' Diapason	"	61 "
8' Gamba	"	61 "
8' Dulciana	"	61 "
8' Concert Flute	Wood	61 "
8' Unda Maris	Metal	49 "
8' Quintadena	"	61 "
4' Flauto Traverso	Wood	61 "
2' Piccolo	Metal	61 "
16' Fagotto	"	61 "
8' Orchestral Oboe	"	61 "
8' Clarinet	"	61 "

Gremolo

Solo Organ 10 Stops

8' Stentorphone	Metal	61 Pipes
8' Philomela	Wood	61 "
8' Gamba	Unified with Choir	
8' Dulciana	" " "	
8' Unda Maris	" " "	
8' Concert Flute	" " "	
16' Fagotto	" " "	
8' Oboe	" " "	
4' Flute	Wood	61 "
8' Tuba	Metal	73 "

Pedal Organ	14 Stops		
1. 64' Gravissima	Wood from Pedal 2 & 5	32	
2. 32' Diapason	Wood	32 Pipes	
3. 16' Diapason	"	32	"
4. 16' Violone	Wood or Metal	32	"
5. 16' Bourdon	Wood	32	"
6. 16' Dulciana	from Choir Metal	32	"
7. 16' Gedackt	from Swell from Ped 5. Wood	32	"
8. 10 2/3" Quinte	from Ped 5	32	"
9. 8' "Cello"	from Swell Metal	32	"
10. 8' Flute	from Ped 3. Wood	32	"
11. 8' Gedackt	from Ped 5	32	"
12. 4' Floete	"	32	"
13. 16' Trombone	Metal	32	"
8' Fagotto			
16' "			
14. 8' Tromba (from Ped 13)		32	

Couplers, 25.

~~Swell Unison~~

Swell to Great

Swell to Choir

Swell to Swell 4'

Swell to Swell 16'

Swell to Great 4'

Swell to Great 16'

Swell to Pedal

Swell to Pedal 4'

Great to Swell

Great to Pedal

Choir to Great

Choir to Great 16'

Choir to Pedal

~~Choir to Pedal 4'~~

~~Solo Unison~~

(Choir to Choir 4'
Choir to Choir 16')

Solo to Solo 4'

Solo to Solo 16'

Solo to Swell

Solo to Great

Solo to Great 4'

Solo to Great 16'

Solo to Choir

Solo to Pedal

Solo to Pedal 4'

Combination Pistons

Six Operating on the Swell

Five Operating on the Great

Four Operating on the Choir

Three Operating on the Solo

General Release

Pedal Release

Combination Pistons to be duplicated by pedal pistons

Pedal Movements

Balance Swell Pedal

Balance Choir and Solo Pedal

Balance Crescendo Pedal

Sforzando

Great to Pedal Reversible

Four Combinations and Release acting on every stop in the Organ.

Four manuals, electric pneumatic action,

*Mechanical appliances subject to such
as ~~subject~~ the builder and Samuel C. Baldwin
may mutually agree upon.*

MEMORANDUM OF AN AGREEMENT made this 5th day of June in the year one thousand nine hundred and five, between EARNEST M. SKINNER & CO., of Boston, Massachusetts, parties of the first part, and THE TRUSTEES OF COLUMBIA COLLEGE, in the City of New York, a corporation created and existing by virtue of the laws of the State of New York, party of the second part.

ARTICLE I. For and in consideration of the sum of Sixteen Thousand Dollars (\$16,000) to be paid as hereinafter provided, the parties of the first part agree:

1. That they will build an organ according to the annexed specifications, in a most thorough and artistic manner, and install the same, complete in every detail, in St. Paul's Chapel at Columbia University, in said City of New York, as soon as said St. Paul's Chapel (now in process of construction,) is in a suitable condition to receive it.

2. They guarantee that the said organ shall be first-class in every particular; that it shall be subject to the approval of President Butler and Mr. Samuel A. Baldwin, and that they will change, rectify and make satisfactory to the above referees, any and every part of said instrument pronounced by them unsatisfactory.

3. They agree to make good, at their own expense, any and every defect which may develop in the materials, workmanship or principles used in the construction of said organ.

4. They agree to procure and carry, from date of first payment until the completion and delivery at the Chapel of every part of said organ, fire insurance to an amount covering so much of the undelivered parts of the organ, as may be still in the possession of the parties of the first part.

5. They also agree that all parts of said organ, when and so fast as the same are delivered at said Chapel, shall become and be the property of the parties of the second part, subject to the rights and obligations of the parties hereunder.

ARTICLE II. The said parties of the second part agree:

1. That, during the installation of said organ, they will keep the auditorium of said chapel and such other parts thereof as may be needful at such temperature as may be required by the parties of the first part; that they will provide and allow the use of the electric current for tuning; and that they will afford such a condition of quiet as may be needful for the proper tone regulation of the instrument; and to allow suitable convenience and opportunity, in the chapel, for its installation and completions.

2. They further agree to pay to said parties of the first part the sum of Sixteen Thousand Dollars (\$16,000) in installments as hereinafter provided:

It is agreed by the parties hereunto that the organ be divided into six (6) divisions of equal value for convenience in the making of payments, as follows:

Console complete	\$2500
All Manual Pipes	2500
The entire action	2500
All Manual & Pedal chests	2500
Case works and pedal pipes	2500
The delivery of all the above to the chapel	2500

The balance of \$1,000 together with 20% of each division to constitute the final payment, upon the approval of the instrument.

The divisions of the organ, as above arranged, shall comprise the following:

1. To include the Console with all mechanism necessary to visibly operate the stops.

2. To include all Manual pipes except the reeds complete and voiced.

3. To include two swell chests, two great chests, one choir chest, one solo chest, six pedal chests, together with the organ frame to set them on.

4. To include the pneumatics for the great, swell, choir and solo organs; the pedal action; the auxiliary combination action with adjusting mechanism; all the magnet boxes containing about four hundred magnets.

5. To include all the cabinet work of the casing, the pedal Diapason 32'; Diapason 16'; Flute 8'; Flutes 4'; Bourdon 16' and Gedackt 8'.

6. Includes the entire organ except the reeds, the blowing mechanism and all part necessary for the complete installation.

Payments on the above to be made in amounts of \$2000 on each item (80%) upon presentation by the party of the first part to the party of the second part of a written statement of its completion and a policy of insurance as provided in Article 1., Paragraph 4 of this agreement.

The party of the second part further agrees that during the continuance of this contract, they will keep so much of the said organ as shall from time to time be delivered at said chapel insured against loss or damage by fire, for the benefit of the parties to this agreement as their interests may appear.

IN WITNESS WHEREOF, the said parties of the first part have hereunto set their hands and the said parties of the second part have set their seal and caused this agreement to be signed by their Treasurer, thereunto duly authorized, the day and year first above written.

SPECIFICATION OF AN ORGAN

prepared by

ERNEST M. SKINNER & CO., Organ Builders of Boston, Mass.,
and SAMUEL A. BALDWIN, of Brooklyn, New York.

for

COLUMBIA UNIVERSITY, New York, and referred to in the foregoing agreement.

Schedule of
April 1906

GREAT ORGAN (13 Stops)

650	16'	Diapason	wood & metal	61 notes	32	650
350	8'	1st Diapason	metal	61 "	42	300
300	8'	2nd Diapason	"	61 "	46	300
300	8'	Gross Floete # 2	wood	61 "		300
300	8'	Erzähler	metal	61 "	46	300
200	8'	Gamba	"	61 "	46	200
50	8'	Gedackt (from Swell)	wood	61 "		50
200	4'	Octave	metal	61 "	54	200
200	4'	Flute	wood	61 "	46	200
150	2'	Fifteenth	metal	61 "	68	150
50	16'	Trumpet (from Swell)	"	61 "	42	50
300	8'	Trumpet	"	61 "	46	300
50	4'	Clarion (from Swell)	"	61 "	46	50

SWELL ORGAN (18 Stops)

350	16'	Bourdon # 2	wood	61 "		350
350	8'	1st Diapason	metal	61 "	42	300
300	8'	2nd Diapason	"	61 "	46	300
300	8'	Gross Floete # 2	wood	61 "		300
300	8'	Spitz Floete	metal	61 "	47	300
300	8'	Salicional	"	61 "	46-70	300
300	8'	Voix Celestes	"	61 "	46-70	300
300	8'	Gedackt # 1	wood	61 "	46	300

5700

5657

5700	(Swell Organ, cont'd)					5650
300	8'	Aeoline	metal	61 notes	300	
200	4'	Flute <i>glo - H 3</i>	wood	61 "	300	
200	4'	Octave	metal	61 " 56	200	
150	2'	Flautino	"	61 " 50	200	
200		Cornet 3 rks.	"	61 " 20	200	
650	16'	Trumpet	"	61 "	650	
300	8'	Cornopean	"	61 " 1	300	
300	8'	Oboe	"	61 " 100	300	
300	8'	Vox Humana	"	61 "	300	
400	4'	Clarion	"	61 " 42	200	
		Tremolo				
	CHOIR ORGAN (12 stops)					
600	16'	Dulciana	"	61 " 1/2	550	
300	8'	Diapason	"	61 " 25	300	
300	8'	Gamba <i>— 100</i>	"	61 " 60	300	
300	8'	Dulciana	"	61 " 66	300	
300	8'	Concert Flute # 2 <i>mel. Har</i>	wood	61 "	300	
200	0'	Unda Maria	metal	61 " 56	200	
300	8'	Quintedena	"	61 " 100	200	
200	4'	Flauto Traverso # 2	wood	61 "	200	
150	2'	Piccolo	metal	61 " 1	200	
600	16'	Fagotto	"	61 " 15	550	
300	8'	Orchestral Oboe	"	61 " 100	300	
300	8'	Clarinet <i>— 100</i>	"	61 " 100	300	
		Tremolo				
	SOLO ORGAN (10 Stops)					
350	8'	Stentorphone	"	61 " 2	350	
350	8'	Philomela <i>spec</i>	wood	61 "	300	
50	8'	Gamba (from Choir)	metal	61 "	50	
50	8'	Dulciana " "	"	61 "	50	
13150					13300	

13150	(Sole Organ cont'd)				
50	8' Unda Maria (from choir)	metal	61 notes	13300	50
50	8' Concert Flute " "	wood	61 "		50
50	16' Fagotto " "	metal	61 "		50
35	8' Oboe " "	"	61 "		50
100	4' Flute	wood	61 "		50
300	8' Tuba	metal	61 " <i>up to 100</i>		500
	PEDAL ORGAN (14 Stops)				
50	64' Gravissima ✓	wood	32 "		50
2000	32' Diapason	"	32 "	1500	
600	16' Diapason	"	32 "		600
600	16' Violone <i>granted</i>	metal	32 "		550
350	16' Bourdon	wood	32 "		550
50	16' Dulciana (from Choir)	metal	32 "		50
50	16' Gedackt (from Swell)	wood	32 "		50
50	10 2/3' Quinte U	"	32 "		50
50	8' Cello (from Swell)	metal	32 "		50
150	8' Flute <i>Octave</i>	wood	32 "		50
150	8' Gedackt U	"	32 "		50
200	4' Floete U	"	32 "		50
650	16' Trombone	metal	32 "		600
150	8' Tromba U	"	32 "		50
18950				2200	
	COUPLERS, (25)				
	Swell to Great ✓				150
	Swell to Choir				300
	Swell to Swell 4 ft. x				150
	Swell to Swell 16 ft. x				550
	Swell to Great 4 ft. ✓				
	Swell to Great 16 ft. ✓				
	Swell to Pedal				
	Swell to Pedal 4 ft.				
				21850	

COUPLERS, cont'd.

Great to Pedal

Great to Swell X

Choir to Great ✓

Choir to Great 16 ft. ✓

Choir to Pedal

Choir to Pedal 4 ft.

Choir to Choir 4 ft.

Choir to Choir 16 ft.

Solo to Solo 4 ft. 0

Solo to Solo 16 ft. 0

Solo to Swell X

Solo to Great ✓

Solo to Great 4 ft. ✓

Solo to Great 16 ft. ✓

Solo to Choir

Solo to Pedal

Solo to Pedal 4 ft.

COMBINATION PISTONS

Six Operating on the Swell

Five Operating on the Great

Four Operating on the Choir

Three Operating on the Solo

General Release

Pedal Release

PEDAL MOVEMENTS

Balance Swell Pedal

Balance Choir and Solo Pedal

Balance Crescendo Pedal

Sforzando

Great to Pedal Reversible

	18950
	150
	200
	150
4956m 24 1/2	19550
	4692
Division on	24142
Case say	1000
	25142
	20191
Blowing	27261
	1000
Schedule Price	28261
off/und/6/06	

Pedal Movements, cont'd.

Four Combinations and Release acting on every stop in the Organ.

Combination Pistons to be duplicated by Pedal Pistons.

Four Manuals, Electro Pneumatic action.

Mechanical appliances subject to such modifications as the builder and Samuel A. Baldwin may mutually agree upon.

-DETAILS-

The Builders Slideless wind chests to be used with the self regulating Key Pneumatics, warranted not to be affected by climatic conditions.

The Reeds to have a special form of valve, insuring perfect speech and tone.

The case to be made of any native hard wood from designs to be submitted for approval.

No stopped basses on normally open stops.

All stops extend throughout the compass, except the Unda Maris.

All basses of the larger winded stops on separate chests and connected by tubes.

The Builder warrants the action and construction in every particular, and agrees to make good at any time defects in materials, workmanship and methods

Suitable blowing mechanism exclusive of wiring.

Case to cost not less than \$2200 and its external design to be approved by the architects of the Chapel.

All blowing mechanism to be absolutely noiseless.

at Columbia College

New York

Voluntarist

Chas

Ernest M Skinner Ho
by Ernest M Skinner

C 11-1-
and the
the 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-12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